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OFFICIAL GAZETTE

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OF THE

UNITED STATES PATENT OFFICE

VOLUME 312

JULY

1923

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ERRATA.

1,461,471, page 346, in heading, assignment, domicile of assignee, for "Worcester, Massachusetts" read *Gardner, Massachusetts*.
 1,462,503, page 692, in heading, line 2, Serial No., for "546,996" read *546,896*.
 VOL. 312.

THE OFFICIAL GAZETTE

OF THE

United States Patent Office.

Vol. 312—No. 1.

TUESDAY, JULY 3, 1923.

Price—\$5 per year.

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$5.00 per annum; single numbers, 10 cents each.

Printed copies of patents are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

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Reference to Prior Application.

(ORDER NO. 2,822.)

U. S. PATENT OFFICE, Washington, June 9, 1923.

Order No. 2,071 is hereby abrogated and order No. 2,010 reinstated and amended to read as follows:

(ORDER NO. 2,010.)

When an application is filed which in the opinion of the Examiner is a division of, a continuation of, or a substitute for a previously filed application, but which contains no reference in the specification to such prior application, the Examiner will require applicant to insert the proper reference to the prior application in the specification. If, when the case is otherwise in condition for allowance, this requirement has not been complied with, nor shown to have been improperly made, the proper reference to the prior application will be made by an Examiner's amendment, and the application passed to issue forthwith.

THOMAS E. ROBERTSON,

Commissioner.

Disclaimer.

1,307,812. John V. Errickson, Scranton, Pa. METHOD OF AND APPARATUS FOR MAKING PHONOGRAPH RECORDS. Patent dated June 24, 1919. Disclaimer filed June 6, 1923, by the assignee Columbia Graphophone Manufacturing Company.

Hereby enters this disclaimer to the claims in said specification, which are in the following words, to wit:

"7. The process of heating and cooling a die for hot plastic material which consists in passing heating and cooling fluids alternately and in multiple paths through

the die close to the surface along well defined lines of flow of relatively small cross-section at substantially uniform distances apart.

"8. The process of facilitating heating and cooling of a hot plastic material into disks which consists in supplying the heating and cooling fluids each concurrently through separate paths distributed at substantially uniform distances close to the surface of the material.

"9. The process of heating and cooling a flat die for handling hot plastic phonograph record material which consists in forming a plurality of circularly arranged channels close to each other and to the die surface for the passage of the fluids and supplying each of the fluids thereto concurrently.

"15. A phonograph die for pressing hot plastic material comprising a die body and channel disk interfitting therewith provided with a plurality of annular channels in one of the parts on their facing side and inlet and outlet fluid supply and discharge provision connecting with all of the channels.

"16. In a phonograph die, a die body and channel disk interfitting therewith one of the parts being annularly channeled concentrically and the other providing inlet and outlet passages both connecting therewith at different distances from the center.

"18. A disk die for pressing hot plastic material divided into two parts along a plane parallel to the face of the die, having circular spaced channels formed in the facing side of one of the parts, separate inlet and outlet fluid connections for said channels, and a fluid tight seal between the parts."

ADJUDICATED PATENTS.

(U. S. D. C. N. Y.) Leonard patent, 1,122,774, Held infringed. *H. Ward Leonard, Inc. v. Maxwell Motor Sales Co.*, 288 Fed. Rep., 62.

(U. S. D. C. N. Y.) Leonard patent, 1,157,011, Held infringed. *H. Ward Leonard, Inc. v. Maxwell Motor Sales Co.*, 288 Fed. Rep., 62.

(U. S. C. C. A. N. Y.) Schleit patent, 1,174,525, claims 1, 3, 5, for draft regulator for hot-water heaters, Held valid and infringed. *W. A. Schleit Mfg. Co. v. Syracuse Radiator Co.*, 288 Fed. Rep., 52.

(U. S. D. C. Conn.) Foedisch patent, 1,180,124, claim 1, for automobile windshield visor, Held valid and infringed. *Acme Motor Shield Corp. v. Roberts Mfg. Co.*, 288 Fed. Rep., 127.

(U. S. D. C. N. Y.) Preliminary injunction against infringement of 1,244,197, for slippers, denied. *Gustin v. Paristyle Footwear Mfg. Co.*, 288 Fed. Rep., 78.

(U. S. C. C. A. Mass.) Cramer and Hodge patent, 1,331,981, for humidity regulator for mills, Held not infringed. *Parks-Cramer Co. v. American Moistening Co.*, 288 Fed. Rep., 33.

Condition of Applications Under Examination at Close of Business June 22, 1923.

Room No	(Total number of applications awaiting action, excluding Trade-Mark Division 74,644; Trade-Mark Division, 3,857; Oldest new case, Aug. 10, 1922 oldest amended, Aug. 3, 1922. The dates given are 1922 except where * indicates 1923.)	Divisions, Examiners, and subjects of inventions.		Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
				New	Amended	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.			Sept. 25	Sept. 23	1,238
128	2. HADEN, C. F. (Acting), Bee Culture, Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.			Aug. 11	Sept. 12	1,573
176	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.			Aug. 1	Aug. 12	1,809
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.			Sept. 14	*Feb. 12	1,485
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manfolding; Music; Printed Matter; Tying Cords or Strands.			Aug. 12	Sept. 1	1,412
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation			Sept. 9	*Feb. 2	1,817
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.....			Sept. 2	Nov. 23	2,671
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.			*Jan. 2	*Mar. 14	1,507
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.			Oct. 2	*May 8	815
235	10. MITCHELL, T. H., Land Vehicles; Land Vehicles, Animal Draft Appliances; Land Vehicles—Bodies and Tops; Land Vehicles—Dumping; Land Vehicles, Wheel Substitutes; Motor Vehicles.			Aug. 29	Sept. 28	1,499
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.			Dec. 18	Dec. 15	1,101
322	12. NIERCE, P. P., Machine Elements.....			Oct. 30	Dec. 23	1,475
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.			Aug. 30	*Mar. 12	1,237
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.			Aug. 22	*Apr. 17	1,191
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.			Sept. 12	Oct. 12	2,101
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony.....			Aug. 21	Aug. 17	2,478
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.			Aug. 28	Nov. 22	1,515
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.			July 25	July 25	2,158
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.			Oct. 2	*Mar. 1	774
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212	21. THURBER, W. L., Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.			Aug. 21	*Jan. 16	1,025
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.			Oct. 4	Dec. 19	526
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.			Sept. 7	Aug. 3	879
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.....			Aug. 19	Nov. 21	1,453
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.			*Jan. 26	*Jan. 15	496
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.....			Aug. 14	Sept. 19	944
214	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.			Aug. 22	Sept. 1	2,128
225	28. BENSON, A. R., Internal-Combustion Engines.....			Sept. 23	Nov. 10	1,499
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.			Sept. 16	Dec. 18	719
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Type-writing Machines.			Sept. 1	*Jan. 2	2,045
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.			Sept. 1	Aug. 23	1,721
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.....			Sept. 2	Oct. 2	1,360
70	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.			Oct. 7	Oct. 13	1,630
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.			Dec. 4	*Jan. 20	824
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253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.			Aug. 18	*Jan. 17	1,234
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices.....			Aug. 10	Oct. 11	1,567
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.			Oct. 17	Oct. 31	1,422
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time Controlling Mechanism.			Sept. 21	Jan. 8	1,241
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DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

IN RE CURTIS.

No. 1,490. Decided January 2, 1923.

PATENTABILITY—CHANGE OF MATERIAL.

Where a speed governor controlled by the flow of a fluid or pulverulent material through an aperture is old and it is known that, other things being equal, the size of the device would depend on the specific gravity of the fluid or other material, the use of mercury in such a device is not patentable where the only advantage claimed is that, due to the high specific gravity of mercury, a smaller governor may be used, since this is obvious from the common knowledge that mercury has a high specific gravity and from its common use in horology.

Mr. Paul Carpenter and *Mr. H. H. Benjamin* for Curtis.

Mr. T. A. Hostettler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDER, Associate Justices.

ROBB, J.:

Appeal from a decision of the Patent Office rejecting five of the fourteen claims of appellant's application, those claims being the first four and the last. Claims 1 and 14 are here reproduced, as follows:

1. A chronometric regulating device, comprising in combination a source of power, a tubular member rotated thereby, and mercury within said member filling said member less than half its volume adapted to move under the action of gravity relatively to said member and in a direction opposite to the direction of rotation of said member, whereby the rotation of said member is checked with a force increasing with its speed of rotation, and substantially constant speed of rotation is obtained.

14. In an apparatus for regulating chronometrically the treatment of substances, a member adapted to hold the material to be treated, means for moving said member in one direction, a latch for holding said member after such movement a spring for moving said member in the opposite direction, and chronometric means for releasing said member from said latch after a predetermined period of time, said first-mentioned means being adapted to start said chronometric means simultaneously with the movement of said member.

In simple terms, this is a device for boiling eggs a predetermined length of time, with means for then lifting them from the water. The Examiner rejected the fourteen claims of the application, but on appeal the Examiners in Chief, after carefully considering the references, allowed nine of the claims. The Assistant Commissioner again reviewed the references and affirmed the decision of the Board.

An examination of the record fails to disclose error in the decision appealed from, and, since we can add nothing to the reasoning of the tribunals of the Patent Office, we affirm the decision without more.

Affirmed.

The decision of Assistant Commissioner MANN, rendered in this case December 18, 1920, reads as follows:

This is an appeal from the decision of the Examiners in Chief sustaining the Examiner in re-

jecting claims 1 to 5, inclusive, 10, and 14, of which 1 and 14 will serve as examples:

1. A chronometric regulating device comprising in combination, a source of power, a tubular member rotated thereby, and mercury within said member filling said member less than half its volume adapted to move under the action of gravity relatively to said member and in a direction opposite to the direction of rotation of said member, whereby the rotation of said member is checked with a force increasing with its speed of rotation, and substantially constant speed of rotation is obtained.

14. In an apparatus for regulating chronometrically the treatment of substances, a member adapted to hold the material to be treated, means for moving said member in one direction, a latch for holding said member after such movement a spring for moving said member in the opposite direction, and chronometric means for releasing said member from said latch after a predetermined period of time, said first mentioned means being adapted to start said chronometric means simultaneously with the movement of said member.

The references cited are: Smith, 192,946, July 10, 1877; Dittmar et al., 268,641, Dec. 5, 1882; Terlin-den et al., 463,010, Nov. 10, 1891; Lamb, 1,096,250, May 12, 1914.

The subject matter involved in this appeal is a device for automatically regulating the length of time during which an object or substance is subjected to treatment—for example, as exposure to heat or a chemical reagent—the object being to provide an apparatus by which a substance to be treated may be immersed in the reagent and after the lapse of an appointed time be withdrawn without any further attention on the part of the operator.

The regulator includes a wheel mounted to turn about a horizontal axis and having a tubular periphery divided by partitions into a number of compartments connected only by ports or passages in the partitions and filled to less than half capacity with a suitable fluid, such as mercury. The wheel is geared to a rack which is impelled in one direction by a spring and upon reaching a predetermined position trips a latch holding the container for the material under treatment and allows it to be raised by the action of a second spring. The size of the wheel and the quantity of mercury are such that the rack spring cannot rotate the wheel and mercury together, so that the speed of the wheel is limited by the flow of the mercury through the passages in the partitions. Consequently by regulating the proportions of the parts the time required to move the rack a specified distance can be determined and maintained.

The patent to Dittmar et al. shows a device for regulating the speed of motors, which is briefly described by the inventors as follows:

The invention consists in a closed drum divided into compartments by radial partitions provided with slots or apertures which establish a communication between the compartments. The drum is partly filled with a liquid, or sand, or other granulated or pulverized material, which is raised when the drum is rotated, thereby checking the speed; but the said liquid or other matter flows back through the apertures, and this prevents the speed from being checked too much. By varying the size of the drum and the size of the slots or apertures, so that the liquid or other material can flow back more or less rapidly, the speed will be checked more or less. The device can be adjusted as desired.

If the said apertures are very small and the liquid can flow back but very slowly, the rotary movement of the

shaft will be checked much more than if the apertures *b* were larger and the liquid can flow back more rapidly. By varying the size of the drum and the size of the apertures the speed of a motor can be regulated at will. Sand or other granulated or pulverized material can be used equally as well as liquids.

This appears to fully anticipate appellant's governor, for these patentees make it clear that by changing the size of the apertures or the size of the ring the retarding action can be made anything desired for the particular service, and it is clear that a fluid or pulverulent material having a certain specific gravity would require for the same retarding action a wheel of different size from that of a material having a higher or lower specific gravity, and also a material of a certain viscosity would require an aperture of different size from a material having a higher or lower viscosity.

It was argued at the hearing that appellant was entitled to broader claims than those presented on account of the discovery of the particular advantages flowing from the use of mercury in this device. The only advantage claimed is that, due to the high specific gravity of mercury, a smaller rotating device will give the desired retardation. This is believed to be obvious from the common knowledge that mercury has a high specific gravity and from its common use in horology.

However, no reference showing that others have recognized the particular utility in this same type of governor appears to be of record, and as documentary evidence is more convincing than mere opinions as to common knowledge and use attention is invited to the following patents: Alfred Wyss-Baumgartner, Swiss, 25,775, March 21, 1903; Peppe, British, 1,555, June 26, 1860.

Both of these patents show a similar governor in which mercury is the fluid to be used.

It may be well, also, to invite attention to the British patent to Morley, No. 1,325, July 22, 1782, as showing extremely early recognition of the advantages inherent to the use of mercury in similar devices.

The patent to Dittmar et al., viewed in the light of this showing as to the known properties and advantages of mercury, appears to fully anticipate claims 1 to 5 and 10.

Claim 14 relies on the difference in having a catch for holding the pan in the water secured to the frame instead of being secured to one of the other parts, which is regarded as a mechanical expedient well within the range of an ordinary person, and therefore not sufficient to support allowance.

The action of the Examiners in Chief is affirmed.

Court of Appeals of the District of Columbia.

WORDEN AND HOLZER, COPARTNERS TRADING AND DOING BUSINESS UNDER THE NAME AND STYLE OF UNITED BARBER SERVICE CO., v. CANNALIATO.

No. 1,519. Decided January 2, 1923.

1. TRADE-MARKS—X-RAY—HANDWRITTEN LABEL.

The use of a handwritten label is sufficient. It is not necessary to have it printed.

2. SAME—INTERSTATE USE.

Where a purchaser came to Baltimore, there received delivery of the goods from C., and then shipped them to himself in Richmond, *Held* that this was not a shipment by C. and has no tendency to establish interstate use of the mark.

3. SAME—SAME.

A single instance of use, with accompanying circumstances showing an intention to continue the use, satisfies the law. Where C. made a shipment from Baltimore to New York and was ready from that time on to supply any demand that might come to him for shipment between the States, this was enough to establish interstate use.

Mr. John E. Cross for Worden et al.

Mr. L. F. Randolph, Mr. J. F. Byrne, and Mr. H. M. Sterling for Cannaliato.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, C. J.:

Cannaliato had registered for him in the Patent Office a trade-mark for hair tonic, a predominant and essential feature of which was the name "X-Ray." He claimed to have used the mark on his goods continuously from May, 1913. Appellants claiming to have adopted the same mark for a like product in 1915, petitioned the Commissioner to cancel appellee's mark, on the ground that he was not entitled to it and that the registration of it caused them damage. Both tribunals of the Patent Office found against them and dismissed the application. They appeal, asserting (1) that they had adopted and used the mark before the appellee did, and (2) that he never made a sufficient use of it in interstate commerce to entitle him to have it registered.

Cannaliato established that he commenced the preparation of his hair tonic in 1912; that, at the instance of a person connected with a barber-supply company, for which Holzer, one of the appellants, was then working, he adopted the name "X-Ray" as a mark for his tonic; that at first he used handwritten labels, which were written by a friend, who corroborates him; that he kept the tonic for sale in his barber shop, and distributed it from there to those whom he could induce to purchase it; that he sold many bottles of it with the trade-mark attached during the year 1914, and continued to sell it wherever he could up to the time when he made application to have the mark registered; that a barber doing business in Richmond, Va., purchased a half gallon of the tonic from him in Baltimore and shipped it to his place of business in Richmond, that the container bore Cannaliato's trade-mark; that in the same year he sold two gallons of the tonic under the same label and shipped it to a person in New York, and that he used the mark uninterruptedly on his product up to the time the mark was registered. There is testimony which tends very strongly to show that Holzer had knowledge of the appellee's use of the mark long before it was adopted by Holzer and his partner. We are satisfied that the appellee has clearly established that he was the first to use the mark.

[1] The use of the handwritten label was sufficient. It was not necessary to have it printed. (*Regis v. Jaynes & Co.*, 185 Mass., 458.) The statute does not require it.

[2, 3] This brings us to consider whether or not Cannaliato's use of the mark in interstate commerce was sufficient to satisfy the statute. We do not think the shipment to Richmond helps him in that regard. It appears that the purchaser came to Baltimore, there received delivery of the goods, and then shipped them to himself in Richmond. This was not a shipment by Cannaliato, and we put it aside as having no tendency to establish interstate use of the mark. The shipment to New York, however, is in a different category. It was made by Cannaliato in 1914, and establishes the use of the mark in interstate commerce before the appellants came into the field. He was ready from that time on to supply any demand that might come to him for shipment between the States. We think this was enough to establish interstate use. No particular period of use is necessary. A single instance of use, with accompanying circumstances showing an intention to continue the use, satisfies the law. (*Kohler Manufacturing Co. v. Beshore*, 59 Fed., 572; 67 O. G., 678; *Kathreiner's Malz-kaffee Fabriken, Etc. v. Pastor Kneipp Medicine Co.*, 82 Fed., 321; *Ritz Cycle Car Co. v. Driggs-Seabury Ordnance Corp.*, 237 Fed., 125; *Wallace & Co. v. Repetti, Inc.*, 266 Fed., 307.) Cannaliato's intention to continue the use of the mark is manifest.

Appellants bring to our attention a number of authorities, among which are *Menendez v. Holt* (128 U. S., 514; 46 O. G., 971), *Kohler Manufacturing Co. v. Beshore* (53 Fed., 262; 67 O. G., 678), *Richter v. Reynolds* (59 Fed., 577; 67 O. G., 404), and *Phillips v. Hudnut* (263 Fed., 643; 273 O. G., 629), to support their contention that the interstate use shown was not sufficient. Special stress is laid upon the Phillips case. The facts there, however, were entirely different from what they are here. Phillips had no established place of business, placed his mark upon some sample boxes of toilet powder, the article for which he claimed a trade-mark, forwarded them to three dealers without any request to do so, and charged for each box five cents, the usual price being fifty cents a box. No other use of the mark was made by him. It was held that the sales, if they could be called such, made by Phillips were not made in good faith, and did not constitute such a use of the mark as was required by the statute. The circumstances did not indicate an intention to continue the use. This was fatal. Nothing in the other cases helps the appellants. True, as Hopkins on Trade-Marks (3 Ed., p. 72) says—

the use of the mark by one claimant may be so transitory, spasmodic and inconsiderable as not to vest title in the user as against one whose use has been long continued and universally recognized.

The use by Cannaliato was not spasmodic or inconsiderable. (See also Paul on Trade-Marks, sec. 91, p. 151.)

We are satisfied that Cannaliato's mark was properly registered, and therefore that the decision of the Commissioner should be, and it is, affirmed. Affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

843,926, P. Brasher, Protecting objects from wave action, suit filed Apr. 16, 1923, U. S. D. C., N. D. Calif., Doc. 16879, *Brasher Breakwater Co. v. Standard Oil Co. of Calif.*

874,986, C. A. Parsons, Vacuum-producing apparatus, suits filed May 1, 1923, U. S. D. C., W. D. N. Y., Doc. C-447, *Wheeler Condenser & Engineering Co. v. Ross Heater & Mfg. Co., Inc.* Same, S. D. N. Y., Doc. E 26/293, *Wheeler Condenser & Engineering Co. v. Croll-Reynolds Co., Inc.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed May 21, 1922, U. S. D. C., S. D. N. Y., Doc. —, *The Davey Tree Expert Co. v. D. Kerrigan*. Decree that bill be taken pro confesso as to defendant. Same, suit filed Mar. 12, 1923, U. S. D. C., N. D. Ga., Doc. 232, *The Davey Tree Expert Co. v. R. Salisbury*. Decree pro confesso enjoining defendant.

1,004,505, A. V. L. Verneuil, Synthetic sapphire, decree sustaining patent, adjudging infringement, and granting injunction, U. S. D. C., S. D. N. Y., *L. Heller & Sons, Inc. v. Standard Calibre Co., Inc.*

1,009,502, B. Goldman, Skylight, discontinued May 1, 1923, U. S. D. C., W. D. N. Y., *Superior Sky-light Co., Inc. v. University of Rochester and Others*.

1,027,929, C. W. Stryker, Muffler cut-out; 1,102,432, C. S. Pelton, Combined foot rests and heaters; 1,437,910, same, Control valve for motor-car heaters, suit filed Apr. 17, 1923, U. S. D. C., N. D. Ill., Doc. 3465, *The Perfection Heater & Mfg. Co. and Others v. Bovey Automobile Heater Co.*

1,102,432. (See 1,027,929.)

1,113,304, C. T. Brown, Self-retrieving safety buoys for ships, suit filed Apr. 2, 1923, U. S. D. C., N. D. Ill., Doc. 3420, *C. T. Brown v. M. Nanni (alias M. Mani)*.

1,126,379, A. A. Brown, Trousers, suit filed Jan. 22, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/37, *Brown Method Co., Inc. v. J. Eisner & Co., Inc., and Others*. Order denying defendants motion to dismiss bill of complaint.

1,157,258. (See 1,318,116.)

1,201,270, L. de Forest, Oscillating-current generator; 1,377,405, same, Audion circuit, suit filed Mar. 23, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/204, *De Forest Radio Telephone & Telegraph Co. v. Safety Fuse Handle Co.*

1,309,724. (See 1,405,773.)

1,318,116, O. A. Smith, Multiple-spindle lather; 1,157,258, Smith and Rindfleisch, Machines for

castellating nuts, suit filed Apr. 24, 1923, U. S. D. C., N. D. Ill., Doc. 3483, *The National Acme Co. v. The Hill Pump Valve Co.*

1,342,058, W. Miller, Door handles for automobiles, suit filed May 1, 1923, U. S. D. C., D. Conn., Doc. E 1657, *Hills & Biddle (Amesbury Brass & Foundry Co.) v. Rostand Mfg. Co.*

1,377,405. (See 1,201,270.)

1,398,372, R. F. Gowen, Coil mounting, judgment in favor of plaintiff, U. S. D. C., W. D. N. Y., *De Forest Radio Telephone & Telegraph Co. v. C. A. Branson Co.*

1,404,539, C. K. Nelson, Confection; T. M. 155,844, R. Stover Co., same, suit filed Apr. 12, 1923, U. S. D. C., N. D. Ill., Doc. 3460, *Eskimo Pie Corp. v. Supreme Ice Cream Co.*

1,405,773, 1,309,724, Re. 15,502, 1,438,229, W. M. Folberth, Windshield-cleaning apparatus, suit filed Apr. 9, 1923, U. S. D. C., N. D. Ill., Doc. 3426, *The Folberth Auto Specialty Co. v. Apex Electric Mfg. Co.*

1,406,498, G. A. Rymier, Processes for enameling wood or metal surfaces, suit filed Mar. 7, 1923, U. S. D. C., N. D. Calif., Doc. 16852, *Liberty Auto Co. and Others v. Gillig Bros.*

1,412,966, W. H. Richman, Containers, suit filed Apr. 25, 1923, U. S. D. C., N. D. Ill., Doc. 3484, *J. Wood Mfg. Co. and Others v. Solar-Sturges Mfg. Co. and Others.*

1,418,203, T. E. Peunock, Bottle-filling machines, suit filed Apr. 30, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/291, *Standard Automatic Machine Co. v. The Karl Kiefer Machine Co.*

1,436,365, N. J. Steinau, Advertising display signs, suit filed Apr. 16, 1923, U. S. D. C., N. D. Ill., Doc. 3464, *The Steinau Co. and Others v. The Common Sense Novelty Co.*

1,437,910. (See 1,027,929.)

1,438,229. (See 1,405,773.)

1,439,792, O. S. Burman, Laundry-tray faucets, suit filed Apr. 27, 1923, U. S. D. C., E. D. Mich. (S. D.), Doc. 542, *O. S. Burman v. Capitol Brass Works.*

Re. 13,436, F. G. Perkins, Glue and method of making the same, suit filed June 13, 1921, U. S. D. C., W. D. N. Y., Doc. B 351, *Perkins Glue Co. v. Crandall Panel Co., Inc., and Others.* Order dismissing complaint Apr. 11, 1923.

Re. 15,502. (See 1,405,773.)

T. M. 150,610, The Stearns & Foster Co., Cotton batting, suit filed Apr. 9, 1923, U. S. D. C., N. D. Ill., Doc. 3425, *The Stearns & Foster Co. v. The Fair, Inc.*

T. M. 155,844. (See 1,404,539.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,342,209, T. P. Giblin, Electrical coil, decided Mar. 14, 1923, claims 1, 3, and 4.

Pat. 1,376,539, Henne and Preo, Machine for affixing heels to shoes, decided May 22, 1923, claims 1, 2, 3, and 15.

Notice of Cancellation.

U. S. PATENT OFFICE, Washington, June 8, 1923.

Reed, Walsh & Lange, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Duffy-Mott Company, Inc., of No. 502 West Twenty-fifth Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 28,448, registered June 23, 1896, to Reed, Walsh & Lange, of Nos. 65 and 67 South Water Street, Chicago, Ill., and the notice of such proceeding sent by registered mail to said Reed, Walsh & Lange at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Reed, Walsh & Lange, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

Interference Notices.

U. S. PATENT OFFICE, Washington, June 15, 1923.

Adolf Bromberg, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent filed by Adolf Bromberg, 167 Wooster Street, New York, N. Y., and an application for patent filed by Elmer S. Rutter, 510 Palisade Avenue, Weehawken Heights, N. J., and a notice of such declaration sent to said Bromberg at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bromberg, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS E. ROBERTSON,
Commissioner.

U. S. PATENT OFFICE, Washington, June 21, 1923.

Richard L. Clements, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the patent granted December 26, 1922, No. 1,440,057, to Richard L. Clements, care of J. E. Regan Machine Works, 76 Seventh Street, Long Island City, N. Y., and an application for patent filed by Melchior Armato, 1284 Clybourn Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Clements at the address of record and reforwarded to 4 Ketcham Place, Elmhurst, N. Y., the address furnished by his attorney, having been returned by the post office undeliverable, notice is hereby given that unless said Clements, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 3, 1923.

[Vol. 312. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 101,984. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANKLIN-CARO COMPANY, INC., Richmond, Va. Filed Mar. 8, 1917.

VELVET

Particular description of goods.—Chewing Gum.
Claims use since Mar. 1, 1917.

Ser. No. 143,977. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRITISH AMERICA NICKEL CORP'N LTD., Ottawa, Ontario, Canada. Filed Feb. 24, 1921.

BANCO

Particular description of goods.—Nickel Sulphate.
Claims use since Jan. 1, 1920.

Ser. No. 143,978. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRITISH AMERICA NICKEL CORP'N LTD., Ottawa, Ontario, Canada. Filed Feb. 24, 1921.

BANCO

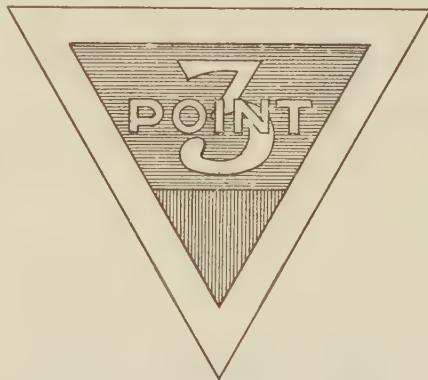
Particular description of goods.—Nickel Ammonium Sulphate.
Claims use since Jan. 1, 1920.

Ser. No. 149,621. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN CUTLERY COMPANY, Chicago, Ill. Filed June 25, 1921.

EVERBRITE

Particular description of goods.—Table Knives of Base Metal and Particularly of Incorrodible Iron Alloys.
Claims use since on or about Nov. 11, 1916.

Ser. No. 153,477. (CLASS 39. CLOTHING.) LEVI STRAUSS & Co., San Francisco, Calif. Filed Sept. 28, 1921.



In the accompanying drawing the colors indicated by that portion lined for color are as follows: Horizontal lines indicate blue; vertical lines indicate red.
Particular description of goods.—Men's, Youths', and Boys' Dress, Negligee, and Work Shirts.
Claims use since Aug. 31, 1921.

Ser. No. 154,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. KJAERGAARD JENSENS TEKN. KEM. FABRIK, Copenhagen, Denmark. Filed Oct. 27, 1921.



Particular description of goods.—Rennet, Junket Tablets, and Lactic Ferment.
Claims use since June 21, 1920.

Ser. No. 154,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed Oct. 31, 1921.

SCORCHER

Trade-mark consists of the word "Scorcher."
Particular description of goods.—Candy.
Claims use since 1890.

Ser. No. 155,253. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARD H. COBB, doing business as The Yeast-O-Mint Co., Cleveland, Ohio. Filed Nov. 10, 1921.

YEAST-O-MINT

Particular description of goods.—Chewing Gum.
Claims use since Sept. 28, 1921.

Ser. No. 155,737. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CAMPFIRE MANUFACTURING COMPANY, St. Louis, Mo. Filed Nov. 22, 1921.

Campfire Grub Stake

Particular description of goods.—Devices for Supporting Cooking Utensils and Other Articles over an Open Fire.

Claims use since Aug. 1, 1921.

Ser. No. 157,431. (CLASS 39. CLOTHING.) KNITWEAR MANUFACTURING CO., INC., Brooklyn, N. Y. Filed Jan. 3, 1922.

FAREISLE

Particular description of goods.—Clothing—Namely, Knitted Sweaters and Knitted Dress Skirts.

Claims use since Sept. 1, 1921.

Ser. No. 157,491. (CLASS 32. FURNITURE AND UPHOLSTERY.) L. LOWENSTEIN & SON, doing business as National Feather & Pillow Company, Nashville, Tenn. Filed Jan. 4, 1922.

PRIDE OF SOUTH

Particular description of goods.—Pillows Containing Feathers.

Claims use since about 1907.

Ser. No. 157,701. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNITED FIG & DATE CO., Chicago, Ill. Filed Jan. 9, 1922.



No claim of exclusive rights is made as to the words "Nuts Every Kind from Everywhere" except in connection with the other features of the mark.

Particular description of goods.—Nuts and Nut Products—Namely, Nuts in the Shell, Shelled Nuts, Salted Nuts, Chopped Nuts, Nut Candy, Peanut Butter, and Mixtures of Nuts and Raisins.

Claims use since June 14, 1921.

Ser. No. 158,677. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUDSON MOTOR SPECIALTIES COMPANY, Philadelphia and Frankford, Pa. Filed Jan. 31, 1922.

SLIP-OUT

Particular description of goods.—Transmission or Crank Casing Parts.

Claims use since early fall of 1919.

Ser. No. 158,689. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD V. STOCKHAM, INC., Havre de Grace, Md. Filed Jan. 31, 1922.

AMERICAN BEAUTIES



Particular description of goods.—Pork and Beans and Canned Concentrated Strained Tomatoes.

Claims use since March, 1915, on tomato paste; since July, 1920, on pork and beans.

Ser. No. 158,728. (CLASS 38. PRINTS AND PUBLICATIONS.) PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Feb. 1, 1922.

QUARTZ-QUALITY

Silicate *Service*
Philadelphia Quartz Company, Philadelphia, Pa.
Manufacturers of Silicates of Soda in Its Various Forms.

Without waiving any rights at common law, no claim is made to the exclusive use of the words "Silicate," "Service," "Philadelphia Quartz Company, Philadelphia, Pa.," and "Manufacturers of Silicate of Soda in Its Various Forms" apart from the mark shown in the drawing.

Particular description of goods.—Publications and Printed Literature, Comprising a Printed Paper Published from Time to Time and Containing Information About Silicate of Soda for Circulation Among Different Classes of Persons Interested in Its Use.

Claims use since on or about Apr. 25, 1921.

Ser. No. 159,521. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN METKE, doing business as Queen City Specialty Company, Buffalo, N. Y. Filed Feb. 18, 1922.

MAGIC

Particular description of goods.—Waterproof Dressing for Leather, Substitute Leather, Cloth, and the Like Used for Automobile Tops.

Claims use since Aug. 7, 1921.

Ser. No. 160,240. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MELVIN HENRY BEVERIDGE, doing business as Fever Nox Company, Bayles, Calif. Filed Mar. 6, 1922.



Particular description of goods.—Ointments, Influenza Medicine, Laxative Tablets, Rubbing Oil, and Inhaling Compounds. The Ointment is Used for Healing and Allaying Fever. The Rubbing Oil is Used for Easing Rheumatic Tendencies. The Flu Drops are Used for Colds. The Inhaling Compound is for Coughs and Colds. The Laxative Tablets are a General Laxative of Candy Design.

Claims use since Jan. 1, 1910.

Ser. No. 160,604. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HAMMER-BRAY COMPANY, Oakland, Calif. Filed Mar. 13, 1922.

ARTCRAFT

Particular description of goods.—Cookstoves, Ranges, and Heating Stoves, Exclusive of Those Heated by Electricity, But Including Gas Ranges, Gas Heaters, Gas Plates, Combination Ranges for Solid and Gaseous Fuel, and Portable Baking Ovens.

Claims use since Jan. 1, 1919.

Ser. No. 161,366. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ELI LILLY & COMPANY, Indianapolis, Ind. Filed Mar. 28, 1922.

EPSAL

Trade-mark "Epsal."

Particular description of goods.—Medicinal Preparation to be Used as a Laxative and Cathartic.

Claims use since early in 1905.

Ser. No. 161,522. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BUFFALO SPECIALTY COMPANY, Buffalo, N. Y. Filed Mar. 31, 1922.

NEVER-KNOCK

Particular description of goods.—Chemical Compositions for Removing Carbon from Internal-Combustion Engines and the Like.

Claims use since July 1, 1919.

Ser. No. 161,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LLEWELLYN A. BANKS, doing business as Citrus Growers Cash Association, Los Angeles, Calif. Filed Apr. 10, 1922.

GLEN ROSA



Particular description of goods.—Fresh Citrus Fruits—viz, Oranges; and Fresh Deciduous Fruits—Namely, Apples.

Claims use since Nov. 7, 1913.

Ser. No. 162,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. AUTH PROV. Co., Washington, D. C. Filed Apr. 11, 1922.

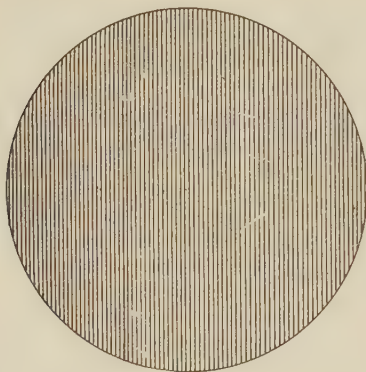


Mark consists of a red circle carrying the words "Ask for Auth's" shown in white letters.

Particular description of goods.—Bovine and Swinish and Mutton Meats, Hams, Sausages, Scrapple, Meat Loaf, Sausage Meat, Lard, Bacon, and Bovine and Swinish and Mutton Meat Products.

Claims use since February, 1902.

Ser. No. 162,093. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. AUTH PROV. Co., Washington, D. C. Filed Apr. 11, 1922.



Drawing consists of a red circle.

Particular description of goods.—Bovine and Swinish and Mutton Meats, Hams, Sausages, Scrapple, Meat Loaf, Sausage Meat, Lard, Bacon, and Bovine and Swinish and Mutton Meat Products.

Claims use since February, 1902.

Ser. No. 162,358. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed Apr. 15, 1922.

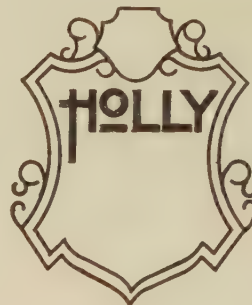
**JERSEY
LILY**

Particular description of goods.—Baby Baths, Coffee Boilers, Rice Boilers, Bowls, Washbasins, Chambers, Cab-

inets, Colanders, Cups and Saucers, Cuspidors, Dippers, Soap Dishes, Vegetable Dishes, Kettles, Ladles, Pans, Saucepans, Water Pitchers, Bowl and Pitcher Sets, Dinner Plates, Pie Plates, Soup Plates, Meat Platters, Teapots, Spittoons, Sink Strainers, and Soup Strainers.

Claims use since March, 1922.

Ser. No. 162,532. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLINTON COPELAND Co., Burlington, Iowa. Filed Apr. 19, 1922.



Particular description of goods.—Chocolate Candies.
Claims use since Mar. 10, 1922.

Ser. No. 162,860. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE WICKES BOILER Co., Saginaw, Mich. Filed Apr. 24, 1922.



The word "Vertical" is disclaimed.

Particular description of goods.—Steel Boilers.
Claims use since Jan. 10, 1922.

Ser. No. 163,426. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) M. WELLEN & SON, New York, N. Y. Filed May 5, 1922.



No claim being made to the exclusive use of the words "Built for Travel, Trunk" apart from the mark as shown on the drawing.

Particular description of goods.—Traveling Goods—viz, Trunks.

Claims use since April, 1915.

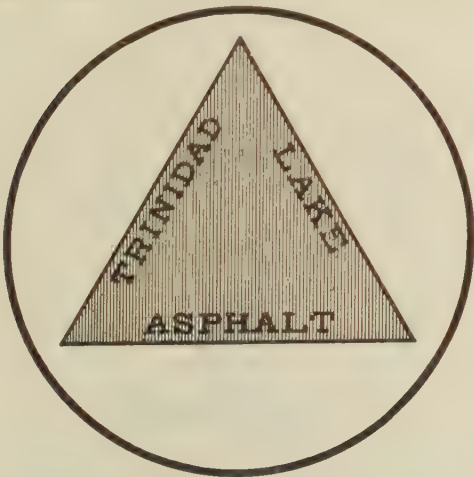
Ser. No. 163,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUEEN CITY EXTRACT COMPANY, Cincinnati, Ohio. Filed May 9, 1922.



Particular description of goods.—Grape Flavored Sirup for Food Purposes.

Claims use since Dec. 2, 1921.

Ser. No. 163,965. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARBER ASPHALT PAVING COMPANY, Philadelphia, Pa. Filed May 17, 1922. Under ten-year proviso.

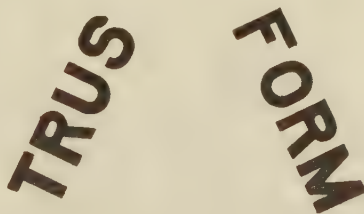


The vertical lines within the triangle of the drawing represent similar lines on the mark as used.

Particular description of goods.—Asphalt, Crude and Refined, and Paving Materials Containing Asphalt.

Claims use since Feb. 6, 1892.

Ser. No. 164,452. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PRATT & WHITNEY COMPANY, New York, N. Y. Filed May 24, 1922.



Particular description of goods.—Caliper Gauges, Such as Snap and Pin Gauges.

Claims use since May 13, 1922.

Ser. No. 164,498. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 25, 1922.



Exclusive right to the use of the words "Mfd. by Airships, Sphericals, Kites, Number, Type, Aeronautical Accessories, Akron, Ohio, U. S. A." and to the representation of a balloon is disclaimed except in the specific relation shown.

Particular description of goods.—Airships, Spherical Balloons, Kites, Aviation and Aeronautical Accessories—Namely, Cars, Bullet and Puncture Proof Casings for Gasoline Tanks on Balloons, Aeroplanes, Baskets, and Pontoons.

Claims use since Dec. 28, 1919.

Ser. No. 164,707. (CLASS 39. CLOTHING.) THE IRONALL FACTORIES CO., Cincinnati, Ohio. Filed May 31, 1922.



No claim is made to the exclusive use of the words "Genuine Fabric," which are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Overalls, Coats, Pants, Jumpers, Combination One-Piece Suits, and Pantaloon for Men, and Play Suits for Children.

Claims use since May, 1922.

Ser. No. 165,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY L. GOODWIN, doing business as The Coney-Cone Company, Kansas City, Mo., assignor to C. G. Rowan, Kansas City, Mo. Filed June 9, 1922.



No claim made to the word "Cone" except in connection with the drawing as shown.

Particular description of goods.—Ice-Cream Cones.

Claims use since Mar. 27, 1922.

Ser. No. 165,339. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY SIDE CANNING COMPANY, Alviso, Calif. Filed June 12, 1922.

HANDY

Particular description of goods.—Tomato Hot Sauce; Canned Vegetables—viz, Tomatoes; Canned Fruits—viz, Peaches; and Canned Fish—viz, Sardines.

Claims use since Apr. 17, 1922.

Ser. No. 165,493. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUDSON MANUFACTURING COMPANY, Chicago, Ill. Filed June 14, 1922. Under ten-year proviso.

HUDSON'S

Particular description of goods.—Flavoring Extracts for Food.

Claims use since 1887.

Ser. No. 165,599. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LEO F. PHILLIPS & Co., New York, N. Y. Filed June 16, 1922.



Particular description of goods.—Beads and Bead Trimming.

Claims use since Mar. 1, 1922.

Ser. No. 165,668. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE CHASE FOUNDRY AND MANUFACTURING COMPANY, Columbus, Ohio. Filed June 19, 1922.



Particular description of goods.—Elevating and Conveying Trucks, Special Factory Trucks, Charging Trucks, Warehouse Trucks, Cannery and Packers' Trucks, Paper-Mill Trucks, Box Trucks, Charging Cars, Brick Cars, Stone-Quarry Cars, Contractors' Cars, Lumber Cars, Tramway Cars, Side and Bottom Dump Cars, and Factory Cars of All Kinds.

Claims use since 1902.

Ser. No. 165,697. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK E. MAYOL, Salt Lake City, Utah. Filed June 19, 1922.



Trade-mark consists of the word "Totem" written as disclosed, with the representation of a totem pole and a circle in black, yellow, red, and white colors.

Particular description of goods.—Ice Cream and Frozen Dainties.

Claims use since before May, 1920.

Ser. No. 165,760. (CLASS 12. CONSTRUCTION MATERIALS.) SECURITY CEMENT & LIME CO., Hagerstown, Md. Filed June 20, 1922.



No claim to the exclusive use of the words "Berkeley" and "Berkeley, W. Va." apart from the mark as shown in the drawing, but applicant waives none of its common-law rights in said mark or any element thereof.

Particular description of goods.—Ground Lime and Hydrated Lime.

Claims use since on or about June 1, 1910.

Ser. No. 166,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. C. STONE, Emmett, Idaho. Filed June 24, 1922.

SQUAW BUTTE ORCHARDS

Particular description of goods.—Fresh Prunes.

Claims use since Sept. 1, 1917.

Ser. No. 166,176. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX ELB GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany. Filed June 28, 1922.

Biox

Particular description of goods.—Perfumery; Toilet Preparations—That is to Say, Preparations for the Teeth, the Hair, the Finger Nails, and for the Complexion; Toilet Vinegar, Perfumed Soap, Toilet Water; Medicinal and Pharmaceutical Preparations for the Bath in Form of Powder, Salts, Extracts, Acids, Scented or Unscented.

Claims use since Feb. 26, 1909.

Ser. No. 166,457. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LUCKEL, KING & CAKE SOAP COMPANY, Portland, Oreg. Filed July 3, 1922.

Royal White

Particular description of goods.—Laundry Soap.

Claims use since 1897.

Ser. No. 166,591. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ADOLPH COORS COMPANY, Golden, Colo. Filed July 8, 1922.

RAISLITE

Particular description of goods.—Baker's Sirup Used in Making Bread and Similar Articles of Food Made from Malt and Corn.

Claims use since about May 1, 1922.

Ser. No. 166,657. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DENNEY & Co., Yakima, Wash. Filed July 10, 1922.

SELAH

Particular description of goods.—Fresh Apples.

Claims use since Nov. 1, 1920.

Ser. No. 166,787. (CLASS 39. CLOTHING.) PRESIDENT SUSPENDER COMPANY, Shirley, Mass. Filed July 12, 1922.

President

Particular description of goods.—Garters.

Claims use since Feb. 17, 1922.

Ser. No. 166,825. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANKLIN RAILWAY SUPPLY COMPANY, New York, N. Y. Filed July 13, 1922.



Particular description of goods.—Auxiliary Engines for Locomotives.

Claims use since Feb. 5, 1919.

Ser. No. 167,411. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OREGON GROWERS COOPERATIVE ASSOCIATION, Salem, Oreg. Filed July 26, 1922.

Richland

Particular description of goods.—Canned Fruits and Canned Vegetables.

Claims use since May 5, 1922.

Ser. No. 167,412. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OREGON GROWERS COOPERATIVE ASSOCIATION, Salem, Oreg. Filed July 26, 1922.

Brookland

Particular description of goods.—Canned Fruits and Canned Vegetables.

Claims use since May 5, 1922.

Ser. No. 168,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCISCO COTERA, doing business as The Cotera Brothers, El Paso, Tex. Filed Aug. 14, 1922.



Particular description of goods.—Coffee.

Claims use since July, 1919.

Ser. No. 168,314. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOHNSON-LOCKE MERCANTILE CO., San Francisco, Calif. Filed Aug. 16, 1922.

FRANCISCAN

Particular description of goods.—Canned Fruits, Canned Vegetables, Dried Fruits, and Dried Vegetables.

Claims use since Nov. 23, 1911.

Ser. No. 168,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNSET FRUIT CO., Lodi, Calif. Filed Aug. 17, 1922.

SUN-SET

Particular description of goods.—Fresh Grapes.

Claims use since May 17, 1922.

Ser. No. 168,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. B. MEWHINNEY CO., INC., Terre Haute, Ind. Filed Aug. 19, 1922.

SCRUMPTIOUS

Particular description of goods.—Candy.

Claims use since May, 1922.

Ser. No. 168,790. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) REID BROS., INC., San Francisco, Calif., and Seattle, Wash. Filed Aug. 28, 1922.

PORCELLO

Particular description of goods.—Metal and Wood Aseptic Furniture for Hospitals, Clinics, Health Centers, and Doctors' Offices—Namely, Operating, Examining, Treatment, Autopsy, Genito-Urinary, Dental, and Physicians' Cabinet Tables, Chairs, and Parts Therefor; Surgeons' Stools, Invalid Chairs, and Stretchers; Instrument and Supply Cases, Cabinets, Tables, Desks, and Stands; Dressing Cabinets, Stands, Carriages, and Tables; Steel Dressers, Nurses' Desks and Chart Files; File Cabinets for Storing Sterile Utensils, Dressings, Etc.; Blanket-Warmer Cabinets, Wardrobe Cabinets and Lockers; Bedside Cabinets, Stands, and Tables for Holding Bed Vessels, Medicines, Etc.; Food Trays for Holding Food on Patients' Beds, Observation Stands, Bottle Stands, Tray Racks, Sponge and Towel Racks, Bedpan and Urinal Racks, Bowl and Basin Stands, Immersion and Irrigator Stands, Commode Chairs, Patients' Steel Benches and Couches; Panel, Folding-Bed, and Ward Screens and Screen Brackets; Hospital Beds, Adjustable Mattress Bottoms, Traction Frames and Extension Attachments, Bed Trucks, Back Rests, Folding Bed Cradles, Bassinets, Infant Incubators, Food Tray and Dish Carriages, Food Conveyers and Trucks, Bedside Book Carts, Wheeled Crushed-Ice Conveyers, Operating Lights and Sterilizers.

Claims use since April, 1918.

Ser. No. 169,236. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. A. CALDWELL, Camino, Calif. Filed Sept. 9, 1922.

TOP O'THE WORLD

Particular description of goods.—Fresh Deciduous Fruits.

Claims use since July 29, 1922.

Ser. No. 169,279. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. C. BROWN CANDY CO., Los Angeles, Calif. Filed Sept. 11, 1922.

Rag Time

Particular description of goods.—Chocolate Candy.
Claims use since Nov. 11, 1908.

Ser. No. 169,929. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHAFFNER BROTHERS COMPANY, Erie, Pa. Filed Sept. 25, 1922.

KEYSTONE

Trade-mark consists of the word "Keystone."
Particular description of goods.—Bacon, Ham, Breakfast Bacon Squares.
Claims use since Jan. 1, 1907.

Ser. No. 169,931. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHAFFNER BROTHERS COMPANY, Erie, Pa. Filed Sept. 25, 1922.

SOVEREIGN

Trade-mark consists of the word "Sovereign."
Particular description of goods.—Sausage, Boiled Ham, Meat Loaf, Pressed Corn Beef, Jellied Tongue, and Cottage Butts.
Claims use since Sept. 1, 1921.

Ser. No. 169,984. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTISCHE ANSTALT C. P. GOERZ A. G., Berlin-Friedenau, Germany. Filed Sept. 27, 1922. Under ten-year proviso.

Goerz

Particular description of goods.—Photographic and Telescopic Objectives, Photographic Cameras, Enlarging Apparatus, Photographic Shutters, Stands for Photographic Cameras, Telescopes, Field Glasses, Prisms, Optical Lenses, Magnifying Glasses, Spectacle Glasses, Photographic Lenses, Telescopic Lenses, Projecting Lenses, Spirit Levels, Telescopes, Opera Glasses, Field Glasses, Telescopic Gun Sights and Bomb-Dropping Sights, Sights for Rifles and Cannon, Compasses, Eclimeters, Telemeters, Theodolites, Sextants, Surveying Instruments, Leveling Instruments, Spectroscopes, Barometers, Barographs, Altimeters, Speedometers, Optic Mirrors, Ordinary Aviators' and Other Goggles, Microscopes, Stereoscopes, Navigating Compasses, and Clinometers, Photometers, and View Finders.
Claims use since summer of 1888.

Ser. No. 170,148. (CLASS 12. CONSTRUCTION MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Sept. 30, 1922.

COLOR MIX

Particular description of goods.—Preparations Intended to be Incorporated with or Applied to Mortar, Cement, Concrete, Artificial Stone, and the Like for the Purpose of Coloring, Tempering, Hardening, Densifying, Frostproofing, and Controlling the Setting.
Claims use since about Mar. 1, 1922.

Ser. No. 170,921. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VALENTINO BALDACCI, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy. Filed Oct. 18, 1922.

ABEKÔLO

Particular description of goods.—Pharmaceutical Preparations for the Treatment of Coughs, Whooping Cough, and Similar Diseases.
Claims use since July 29, 1921.

Ser. No. 171,029. (CLASS 39. CLOTHING.) NIAGARA SHOE COMPANY, INC., Buffalo, N. Y. Filed Oct. 21, 1922.



No claim made herein to the word "Longwear" apart from the mark illustrated.

Particular description of goods.—Shoes of Leather, Rubber, and Fabric.

Claims use since July 15, 1922.

Ser. No. 171,129. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING'S FOOD PRODUCTS Co., Portland, Oreg. Filed Oct. 24, 1922.

KING'S



Particular description of goods.—Canned and Dehydrated Fruits, Canned and Dehydrated Vegetables—Namely, Apricots, Prunes, and Spinach.

Claims use since June 1, 1922.

Ser. No. 171,205. (CLASS 39. CLOTHING.) CORSON SHOE MANUFACTURING COMPANY, LTD., Toronto, Ontario, Canada. Filed Oct. 26, 1922.



Particular description of goods.—Boots and Shoes of Leather.

Claims use since July 1 1922.

Ser. No. 171,312. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GILLEN-COLE Co., Portland, Oreg. Filed Oct. 28, 1922.

"STOVE-WALL"

Particular description of goods.—Asbestos Mats.

Claims use since on or about Jan. 1, 1918.

Ser. No. 171,320. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. M. Hoyt, doing business as F. M. Hoyt & Co., Amesbury, Mass. Filed Oct. 28, 1922.

PICKANINNY

Particular description of goods.—Salted Peanuts and Peanut Butter.

Claims use since March, 1912.

Ser. No. 171,422. (CLASS 39. CLOTHING.) KNOTHE BROTHERS Co., Inc., New York, N. Y. Filed Oct. 31, 1922.

Bob-o-Link

Particular description of goods.—Pyjamas, Dress Shirts, Negligee Shirts, and Nightshirts and Men's Robes.

Claims use since Oct. 16, 1922.

Ser. No. 171,524. (CLASS 39. CLOTHING.) BLOOM SUBLYME SHOE Co., Inc., New York and Brooklyn, N. Y. Filed Nov. 3, 1922.



No claim made to the representation of shoes and slippers illustrated in the drawing apart from the mark shown.

Particular description of goods.—Boots, Shoes, Slippers, and Sandals Made of Leather, Kid, Satin, Cloth, and Felt.

Claims use since August, 1904.

Ser. No. 171,586. (CLASS 12. CONSTRUCTION MATERIALS.) NILES ESPERSON, doing business as Mid-Continent Clay Company, Peru, Kans. Filed Nov. 4, 1922.

MIDCO

Particular description of goods.—Building Bricks and Roofing Tile.

Claims use since Apr. 10, 1922.

Ser. No. 171,623. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CRAWFORD, MCGREGOR & CANBY COMPANY, Dayton, Ohio. Filed Nov. 6, 1922.

Popular

Particular description of goods.—Golf Clubs.

Claims use since about 1909.

Ser. No. 171,910. (CLASS 39. CLOTHING.) EXCELSIOR UNDERWEAR CO. INC., New York, N. Y. Filed Nov. 13, 1922.

EMBASSY

Particular description of goods.—Athletic Underwear and Pyjamas of Knitted and Textile Fabrics for Men and Boys and Dress, Neglige, and Work Shirts for Men and Boys.

Claims use since Aug. 4, 1922.

Ser. No. 171,917. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLAND CANNING COMPANY, Holland, Mich. Filed Nov. 13, 1922.



The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Canned Fruits—Namely, Peaches, Raspberries, Cherries, and Apples; and Canned Vegetables—Namely, Green Beans and Wax Beans.

Claims use since Apr. 8, 1922.

Ser. No. 171,951. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLEASANT GROVE CANNING COMPANY, Pleasant Grove, Utah. Filed Nov. 13, 1922.

TIMPANOGOS

Particular description of goods.—Fresh Deciduous and Citrous Fruits, Fresh Vegetables; Canned Fruits—Namely, Apricots, Peaches, Pears, Strawberries, Raspberries, Cherries, and Apples; Fruit Jams; Canned Vegetables—Namely, Beans, Tomatoes, and Pumpkin; and Catchup.

Claims use since July 15, 1916.

Ser. No. 171,963. (CLASS 39. CLOTHING.) SHONINGER-HEINSHEIMER MANUFACTURING CO., Chicago, Ill. Filed Nov. 13, 1922.

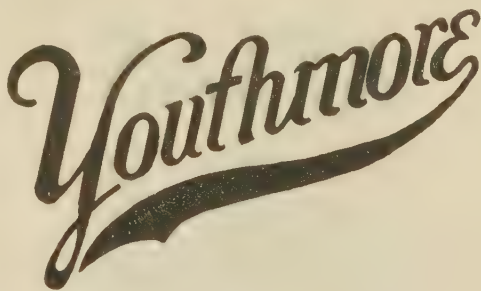


Particular description of goods.—Children's Cloaks and Capes.

Claims use since Feb. 1, 1919.

312 O. G.—2

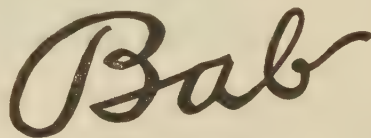
Ser. No. 171,964. (CLASS 39. CLOTHING.) SHONINGER-HEINSHEIMER MANUFACTURING CO., Chicago, Ill. Filed Nov. 13, 1922.



Particular description of goods.—Juniors' and Misses' Cloaks, Capes, and Suits.

Claims use since Feb. 1, 1919.

Ser. No. 172,001. (CLASS 39. CLOTHING.) A. & S. LEVY CO., New York, N. Y. Filed Nov. 14, 1922.



Particular description of goods.—Dresses, Women's Robes and Gowns, Suits, Coats, and Waists.

Claims use since Oct. 1, 1917.

Ser. No. 172,004. (CLASS 39. CLOTHING.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed Nov. 14, 1922.

THE PLAYER

Particular description of goods.—Knitted and Textile Fabric Undergarments—Namely, Shirts, Drawers, and Combination Shirt and Drawers.

Claims use since May 27, 1922.

Ser. No. 172,834. (CLASS 2. RECEPTACLES.) CHARLES H. HAESELER, doing business as Alert Manufacturing Company, Philadelphia, Pa. Filed Dec. 2, 1922.

CUSS-LESS

Particular description of goods.—Condiment Containers Made of Metal, Glass, or Metal and Glass.

Claims use since about February, 1922.

Ser. No. 172,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHINOOK PACKING CO., Chinook, Wash. Filed Dec. 6, 1922.



Particular description of goods.—Canned Salmon.

Claims use since Nov. 23, 1922.

Ser. No. 173,048. (CLASS 32. FURNITURE AND UP-
HOLSTERY.) ATLAS HAMMOCK Co., New York, N. Y.
Filed Dec. 7, 1922.

ATLAS



Particular description of goods.—Couch Hammocks and
Stands Therefor.

Claims use since about Nov. 1, 1922.

Ser. No. 173,061. (CLASS 39. CLOTHING.) WEIN-
GARTEN BROS., New York, N. Y. Filed Dec. 7, 1922.

"Stylastic"

Particular description of goods.—Corsets.

Claims use since Nov. 15, 1922.

Ser. No. 173,261. (CLASS 46. FOODS AND INGREDI-
ENTS OF FOODS.) WALKER BROS. Co., Boston, Mass.,
assignor to Za-Rex Food Products Inc., Boston, Mass.,
a Corporation of Massachusetts. Filed Dec. 12, 1922.

ZA-REX

The lining shown on the drawing does not represent
color, but merely shading.

Particular description of goods.—Sirups and Extracts
for Flavoring Food.

Claims use since Nov. 30, 1922.

Ser. No. 173,303. (CLASS 46. FOODS AND INGREDI-
ENTS OF FOODS.) SEACOAST CANNING COMPANY,
Eastport, Me. Filed Dec. 13, 1922.

NEPTUNE

Particular description of goods.—Canned Tunny Fish.

Claims use since Nov. 1, 1921.

Ser. No. 173,435. (CLASS 46. FOODS AND INGREDI-
ENTS OF FOODS.) MILLER-CUMMINGS COMPANY, INC.,
New York, N. Y. Filed Dec. 16, 1922.

CROWNED LYON BRAND



No claim is made to the word "Brand" apart from
the mark shown in the drawing.

Particular description of goods.—Fresh Cantaloupes,
Fresh Casaba Melons, Fresh Honey Dew Melons, Fresh
Grapes, Fresh Lettuce, and Fresh Tomatoes.

Claims use since Jan. 1, 1898.

Ser. No. 173,436. (CLASS 46. FOODS AND INGREDI-
ENTS OF FOODS.) MILLER-CUMMINGS COMPANY, INC.,
New York, N. Y. Filed Dec. 16, 1922.

THE LYON STAR BRAND



No claim made to the word "Brand" apart from the
mark shown in the drawing.

Particular description of goods.—Fresh Cantaloupes.

Claims use since Jan. 1, 1921.

Ser. No. 173,562. (CLASS 38. PRINTS AND PUBLICA-
TIONS.) CALDWELL & COMPANY, Nashville, Tenn.
Filed Dec. 19, 1922.



Particular description of goods.—Booklets and Bonds.
Claims use since Nov. 1, 1922.

Ser. No. 173,614. (CLASS 46. FOODS AND INGREDI-
ENTS OF FOODS.) HARRY M. WAGNER, doing business
as The H. M. Wagner Co., Inc., Baltimore, Md. Filed
Dec. 20, 1922.



No claim made to the exclusive use of the word
"Brand."

Particular description of goods.—Coffee.

Claims use since Sept. 25, 1922.

Ser. No. 173,813. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARION LEWIS CRAWFORD, Malvern, Ohio. Filed Dec. 26, 1922.

Marion Lewis Crawford.

The signature shown in the accompanying drawing is the facsimile signature of the applicant.

Particular description of goods.—Screen Scratcher and Rubber for Use in Plants for Making Bricks and Tiles or Other Clay Products.

Claims use since Oct. 5, 1922.

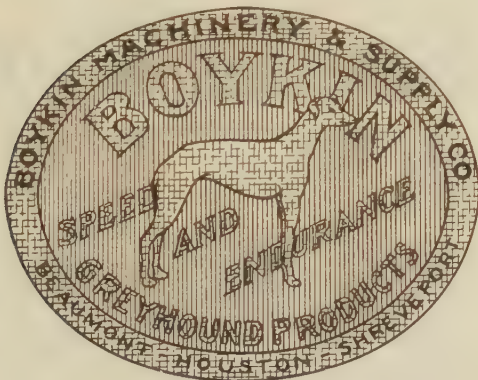
Ser. No. 173,939. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) K. SMUCKLER, doing business as French Mfg. Co., Los Angeles, Calif. Filed Dec. 28, 1922.



Particular description of goods.—Automobile and Piano Polish.

Claims use since Nov. 1, 1911.

Ser. No. 174,062. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BOYKIN MACHINERY & SUPPLY CO., Beaumont, Tex. Filed Jan. 2, 1923.



The drawing is lined to express the colors red and yellow, and no claim is made to the words, "Speed and Endurance," "Products," "Beaumont," "Houston," and "Shreveport" apart from the mark shown by the drawing.

Particular description of goods.—Oil-Well Machinery and Tools—Namely, Rotaries, Draw Work, Crown Blocks, Traveling Blocks, Tool Joints, Swivels, and Fittings.

Claims use since January, 1922.

Ser. No. 174,156. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE STAR FISH & OYSTER CO., Mobile, Ala. Filed Jan. 3, 1923.



The drawings are ruled to indicate the colors red and blue.

Particular description of goods.—Sea Food, Comprising Fresh and Dried Fish and Fresh Shell Fish, Including Crabs, Shrimp, and Oysters and Dried Shrimp.

Claims use since Jan. 1, 1902.

Ser. No. 174,221. (CLASS 39. CLOTHING.) SWEET-ORR & Co., Inc., Wappingers Falls and New York, N. Y. Filed Jan. 5, 1923.

SPECIAL YELLOW TICKET

Particular description of goods.—Pants, Norfolk Jackets, Coats, and Vests.

Claims use since on or about May 1, 1897.

Ser. No. 174,265. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SETHNESS COMPANY, Chicago, Ill. Filed Jan. 6, 1923.

Drinkmor

Particular description of goods.—Chocolate Malted Concentrate for the Making of a Food Drink.

Claims use since Dec. 11, 1922.

Ser. No. 174,370. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TRIPLE S SERVICE CORPORATION, Denver, Colo. Filed Jan. 9, 1923.

Triple S

Particular description of goods.—Granular or Powdered Antiseptic Cleanser for the Toilet.
Claims use since on or about Dec. 9, 1922.

Ser. No. 174,379. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLEN & LEWIS, Portland, Oreg. Filed Jan. 10, 1923.

BULLS EYE

Particular description of goods.—Canned Fruits, Canned Vegetables.
Claims use since August, 1922.

Ser. No. 174,405. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MOUQUIN RT. & WINE CO. INC., New York, N. Y. Filed Jan. 10, 1923.

Hermouquin

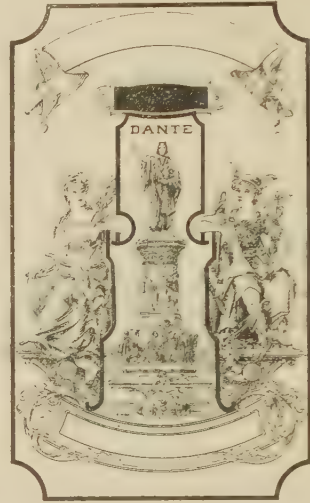
Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as a Soft Drink.
Claims use since Oct. 1, 1922.

Ser. No. 174,438. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TH. GIOCALAS & V. COYIMZOGLU, New York, N. Y. Filed Jan. 11, 1923.

SHEIK

Particular description of goods.—Dates.
Claims use since Jan. 2, 1922.

Ser. No. 174,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANTE MICHELETTI, Lucca, Italy, and San Francisco, Calif. Filed Jan. 13, 1923.



Particular description of goods.—Olive Oil.
Claims use since September, 1919.

Ser. No. 174,615. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. W. FEESER, doing business as A. W. Feeser & Co., Westminster, Silver Run, and Taneytown, Md. Filed Jan. 15, 1923.

SILVER RUN

Particular description of goods.—Canned Vegetables.
Claims use since 1908.

Ser. No. 174,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM KLUG, Brooklyn, N. Y. Filed Jan. 17, 1923.

EASY CREAM

No claim is made to the word "Cream" apart from the mark shown in the drawing.

Particular description of goods.—Ice-Cream Preparation in Liquid Form.
Claims use since Oct. 15, 1921.

Ser. No. 174,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OREGON GROWERS COOPERATIVE ASSOCIATION, Salem, Oreg. Filed Jan. 20, 1923.

WOODLAND

Particular description of goods.—Canned Fruits.
Claims use since July, 1922.

Ser. No. 174,908. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NICKEL FABRICATING CORP., Philipsburg, Pa. Filed Jan. 22, 1923.



"Ninety-Nine % Nickel" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Frying Pans, Sauce-pans, Stock Pots, Kettles, Roasting Pans, Baking Dishes, Ladles, Beating Bowls, Double Boilers, Pie Plates, Trays, Platters, Dish Pans, and Basins.

Claims use since Oct. 1, 1922.

Ser. No. 174,948. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAUGHN GROCERY COMPANY, Winston-Salem, N. C. Filed Jan. 22, 1923.

LADY ANNE



The picture of lady is fanciful.
Particular description of goods.—Coffee.
Claims use since January, 1923.

Ser. No. 175,015. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIYAKICHI KUMAMOTO, doing business as Kumamoto Fish Co., Seattle, Wash. Filed Jan. 24, 1923.



The Japanese character shown on the drawing is a combination letter of the alphabet, being the letters "K" and "N" combined.

Particular description of goods.—Fish Cakes and Canned Fish.

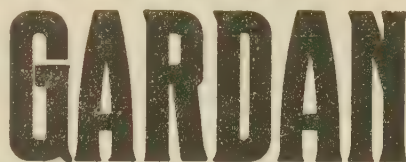
Claims use since 1911.

Ser. No. 175,077. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER CANDY CO., INC., New Orleans, La. Filed Jan. 25, 1923.

WAY DOWN SOUTH

Particular description of goods.—Candy.
Claims use since Oct. 15, 1922.

Ser. No. 175,078. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) FARBERWERKE VORM. MEISTER LUCIUS & BRUNING, Höchst-on-the-Main, Germany. Filed Jan. 25, 1923.



Particular description of goods.—Preparations for Internal and Parenteral Treatment of Fever, Polyarthrititis, Muscular Rheumatism, Neuralgia, and the Like.

Claims use since Aug. 25, 1921.

Ser. No. 175,085. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEANE PROVISION CO., Washington, D. C. Filed Jan. 25, 1923. Under ten-year proviso.

MRS. C. FAUNCE

Particular description of goods.—Sausage and Sausage Meat.

Claims use since Sept. 15, 1871.

Ser. No. 175,136. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EUGENE DIETZGEN CO., Chicago, Ill. Filed Jan. 26, 1923.

EXCELLO

Particular description of goods.—Ruling Pens, Detail Ruling Pens, Railroad Pens, Curve Pens, Wedge Pens, Third-Blade Pens, Three-Tongue Pens, Double Pens, Pricker-Bow Dividers, Bow Pencils, Bow Pens, Bow Dividers, Self-Adjusting Drop-Spring Bow Pens, Plain Di-

viders, Hairspring Dividers, Drawing Compasses, Tubular Beam Compasses, Beam Compasses, Dotting Instruments, Pocketbook Cases (containing Combinations of the foregoing Drawing Instruments.

Claims use since 1909.

Ser. No. 175,150. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MERCIER BROS., Concord, N. H. Filed Jan. 26, 1923.

**GRANDMA'S
FANCY POP CORN**



No claim is made to the words "Fancy Popcorn" apart from the other features of the mark shown.

Particular description of goods.—Candied Pop Corn.
Claims use since July 1, 1922.

Ser. No. 175,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER CANDY CO., INC., New Orleans, La. Filed Jan. 25, 1923.

VIEUX CARRÉ

Particular description of goods. Candy.
Claims use since Oct. 15, 1922.

Ser. No. 175,253. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES HENRY LEWIS, doing business as Lewis Economic Co. Not Inc., Chicago, Ill. Filed Jan. 29, 1923.

**Crème
Fluff**

Particular description of goods.—Vegetable and Mineral Compound for Neutralizing Lactic Acids to be Used in Whipping Ordinary Cream and Eggs.

Claims use since about September, 1917.

Ser. No. 175,260. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLS NOVELTY COMPANY, Chicago, Ill. Filed Jan. 29, 1923.



The word "Mints" is disclaimed apart from the other features of the mark.

Particular description of goods.—Flavored Sugar Tablets.

Claims use since on or about Jan. 8, 1923.

Ser. No. 175,277. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TAUNTON ELECTRO-CHEMICAL COMPANY, Taunton, Mass. Filed Jan. 29, 1923.



No claim is made to the exclusive use of the expressions "Hand 16 oz. Soap" and "Taunton, Mass., U. S. A." apart from the mark shown in the drawing. The drawing is lined to indicate the color blue.

Particular description of goods.—Soap.

Claims use since Dec. 1, 1922.

Ser. No. 175,297. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. V. BURRELL, doing business as The Rocky Ford Melon Growers Spray Manufacturing Co., Rocky Ford, Colo. Filed Jan. 30, 1923.

Aphicide

Particular description of goods.—Insecticide.

Claims use since October, 1922.

Ser. No. 175,324. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORGE L. REISH, Mifflinburg, Pa., assignor to Robert V. Foster, Mifflinburg, Pa. Filed Jan. 30, 1923. Under ten-year proviso.



Particular description of goods.—Leather Preservatives.

Claims use since 1883.

Ser. No. 175,392. (CLASS 38. PRINTS AND PUBLICATIONS.) GUST HARMOUTH, Yale, Okla. Filed Feb. 1, 1923.

KODAK KITCHEN

Particular description of goods.—Photographic Prints.
Claims use since February, 1921.

Ser. No. 175,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. A. HASTY, Richmond, Ind. Filed Feb. 3, 1923.



The background of the trade-mark is yellow, as indicated by the lining on the drawing.

Particular description of goods.—Candy.

Claims use since Feb. 20, 1921.

Ser. No. 175,596. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHARLES F. BUTTERFIELD, doing business as Dynamite Cleaner Corporation, Salina, Kans. Filed Feb. 6, 1923.



The word "Cleaner" is hereby disclaimed apart from the mark shown.

Particular description of goods.—Cleaning Compound Used for Hand, Kitchen, Laundry, and General Household Purposes.

Claims use since Dec. 1, 1922.

Ser. No. 175,723. (CLASS 39. CLOTHING.) JOHN F. KOLKEBECK, New York, N. Y. Filed Feb. 8, 1923.

CRADLE ARCH

Particular description of goods.—Leather Shoes.

Claims use since Dec. 1, 1922.

Ser. No. 175,809. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY-MALING Co., Inc., Portland, Oreg. Filed Feb. 9, 1923.

RAYVALE

Particular description of goods.—Canned Fruits.
Claims use since June 1, 1922.

Ser. No. 175,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY-MALING CO., INC., Portland, Oreg. Filed Feb. 9, 1923.

RAYCROFT

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.

Claims use since June 1, 1922.

Ser. No. 175,812. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY-MALING CO., INC., Portland, Oreg. Filed Feb. 9, 1923.

RAYCREST

Particular description of goods.—Canned Fruits and Canned Berries.

Claims use since June 1, 1922.

Ser. No. 175,991. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KISTLER LEATHER COMPANY, South Boston, Mass. Filed Feb. 13, 1923.



No claim made to the word "Brand" apart from the mark as shown in the drawing and without relinquishing any of applicant's common-law rights to the same.

Particular description of goods.—Leather.

Claims use since Jan. 24, 1923.

Ser. No. 176,127. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ROY G. HIRD, doing business as Garley Steel Company, Chicago, Ill. Filed Feb. 16, 1923.

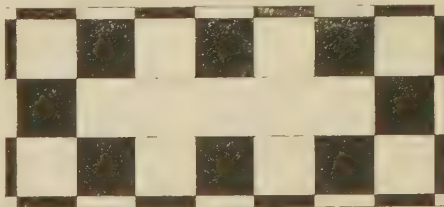


No claim is made to the term "0.20%" and the words appearing in the mark shown by the drawing.

Particular description of goods.—Steel Sheets, Black and Galvanized and Terne, Coated or Painted, Also Steel Bars, Plates, and Blue Annealed.

Claims use since Jan. 27, 1923.

Ser. No. 176,130. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICTOR P. KENNARD, Greenland, N. H. Filed Feb. 16, 1923.



Particular description of goods.—Jellies.

Claims use since Aug. 16, 1922.

Ser. No. 176,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY CO., Cleveland, Ohio. Filed Feb. 17, 1923.

HOT LIPS

Particular description of goods.—Candy.

Claims use since Jan. 5, 1923.

Ser. No. 176,180. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIAM E. HARRIS, Asheville, N. C. Filed Feb. 17, 1923.

RADIO LEATHER CLEANER



No claim is made to the use of the words "Leather Cleaner" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto.

Particular description of goods.—Cleaning and Polishing Combination for Leather Goods.

Claims use since Feb. 6, 1923.

Ser. No. 176,221. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRUCE THURBER SHUTE, Sacramento, Calif. Filed Feb. 17, 1923.

SAFE

Particular description of goods.—Fresh Deciduous Fruits.

Claims use since July 26, 1921.

Ser. No. 176,238. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN G. WOODWARD & CO. (INC.), Council Bluffs, Iowa. Filed Feb. 17, 1923.

JACK HORNER

Particular description of goods.—Candy.
Claims use since Oct. 7, 1907.

Ser. No. 176,292. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JESSE A. STEELE, doing business as Steele Bros., Oakland, Calif. Filed Feb. 19, 1923.

CALATONE

Particular description of goods.—Artificially-Prepared Mineral Water.
Claims use since December, 1917.

Ser. No. 176,293. (CLASS 39. CLOTHING.) E. E. TAYLOR CO., Boston, Mass. Filed Feb. 19, 1923.

O-SO-EZE

Trade-mark "O-So Ez-E."
Particular description of goods.—Boots and Shoes.
Claims use since Dec. 11, 1909.

Ser. No. 176,294. (CLASS 39. CLOTHING.) E. E. TAYLOR CO., Boston, Mass. Filed Feb. 19, 1923.

O-So-SNUG

Trade-mark "O-So-Snug."
Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.
Claims use since Dec. 26, 1922.

Ser. No. 176,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNITED FIG & DATE COMPANY, Chicago, Ill. Filed Feb. 19, 1923.

IVORY

Trade-mark consists of the word "Ivory."
Particular description of goods.—Brazil Nuts in Their Raw State.
Claims use since May 2, 1922.

Ser. No. 176,354. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES MOLINELLI, doing business as Italian Macaroni Production Co., Rockaway Beach, N. Y. Filed Feb. 20, 1923.



No claim made to the word "Ready" apart from the other features of the mark.

Particular description of goods.—Pot Roast, Spaghetti, Potted Beef, Tripe Stew, Ravioli, and Noodles.
Claims use since Jan. 1, 1923.

Ser. No. 176,492. (CLASS 12. CONSTRUCTION MATERIALS.) THE KRIPPENDORF-TUTTLE WHITE CLIFFS PRODUCTS CO., Cincinnati, Ohio. Filed Feb. 23, 1923.



Particular description of goods.—Ground Limestone, Chalk Whiting, Chalk, Asphalt Filler, and Whiting.
Claims use since Oct. 13, 1922.

Ser. No. 176,520. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CARL M. WISEMAN, Louisville, Ky. Filed Feb. 23, 1923.

Optoring

Particular description of goods.—Finger Ring and Magnifying Glasses.
Claims use since Dec. 30, 1922.

Ser. No. 176,521. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KEHOE PRESERVING COMPANY, Terre Haute, Ind. Filed Feb. 23, 1923.

ROSE APPLE

Particular description of goods.—Vegetable Seeds.
Claims use since Jan. 15, 1922.

Ser. No. 176,550. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HYMAN KARLIN, doing business as H. Karlin Co., New York, N. Y. Filed Feb. 24, 1923.



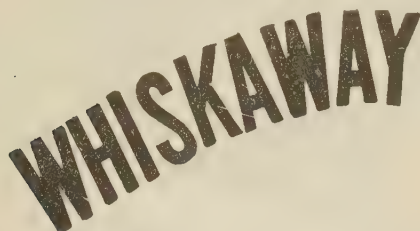
Particular description of goods.—Pure Virgin Olive Oil.
Claims use since Jan. 1, 1922.

Ser. No. 176,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa. Filed Feb. 24, 1923.



Particular description of goods.—Candy.
Claims use since Sept. 1, 1922.

Ser. No. 176,568. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa. Filed Feb. 24, 1923.



Particular description of goods.—Candy.
Claims use since Sept. 1, 1922.

Ser. No. 176,631. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Filed Feb. 26, 1923.



Particular description of goods.—Decorating Outfits Comprising Varnishes, Coloring Matter, Brushes, and Sponges.

Claims use since Feb. 1, 1923.

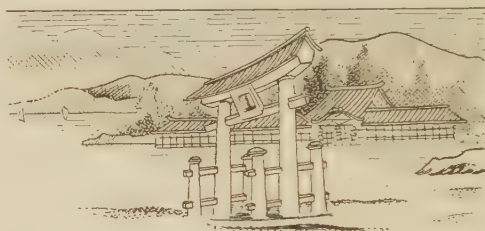
Ser. No. 176,750. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER & PAINE, INC., Lincoln, Nebr. Filed Feb. 28, 1923.

WITCHING HOUR

Particular description of goods.—Candies and Candied Fruit.

Claims use since Oct. 1, 1915.

Ser. No. 176,769. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAIYO TRADING CO., INC., New York, N. Y. Filed Feb. 28, 1923.



Particular description of goods.—Canned Crab Meat.
Claims use since about Feb. 1, 1922.

Ser. No. 176,850. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS K. MOTT, Los Angeles, Calif. Filed Mar. 2, 1923.



The mark is lined for color to indicate yellow.

Particular description of goods.—Marmalade, Jams, and Preserved Fruits.

Claims use since Feb. 1, 1922.

Ser. No. 176,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. PERCEVAL, New York, N. Y. Filed Mar. 3, 1923.

ROLLIN

Trade-mark consists of the word "Rollin."
Particular description of goods.—Olive Oil.
Claims use since about 1910.

Ser. No. 177,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. PERCEVAL, New York, N. Y. Filed Mar. 6, 1923.

CREOLE

Trade-mark consists of the word "Creole."
Particular description of goods.—Canned Okra.
Claims use since on or about June 1, 1920.

Ser. No. 177,140. (CLASS 31. FILTERS AND REFRIGERATORS.) NATIONAL ELECTRIC PRODUCTS CORPORATION, Chicago, Ill. Filed Mar. 8, 1923.

SERV-EL

Particular description of goods. Refrigerators, Refrigerator Parts, and Refrigerating Systems.
Claims use since July 15, 1922.

Ser. No. 177,145. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SULLIVAN, HENSLEY & PONTON, Denver, Colo. Filed Mar. 8, 1923.



The trade-mark is printed in red and black, and the drawing has been lined to indicate the color.

Particular description of goods.—Ice-Cream Confections.

Claims use since Feb. 27, 1923.

Ser. No. 177,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER M. LOWNEY COMPANY, Boston, Mass. Filed Mar. 10, 1923.

HEY EDDIE

Particular description of goods.—Candy.
Claims use since Jan. 13, 1923.

Ser. No. 177,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHOEBE PHELPS CARAMEL CO., Boston, Mass. Filed Mar. 10, 1923.



Particular description of goods.—Caramels.
Claims use since January, 1913.

Ser. No. 177,274. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAUSSE MANUFACTURING & IMPORTING CO., Bound Brook, N. J., and New York, N. Y. Filed Mar. 12, 1923.



No claim is made to the word "Brand" apart from the other features of the mark as shown on the drawing.

Particular description of goods.—Pineapple Glacé, Glacé Assorted Fruits, and Crystallized Ginger.

Claims use since March, 1915.

Ser. No. 177,300. (CLASS 39. CLOTHING.) HENRY W. JAEDIKER, New York, N. Y. Filed Mar. 12, 1923.

Dolly Varden

Particular description of goods.—Ladies' Hats.
Claims use since Jan. 1, 1923.

Ser. No. 177,369. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESCONDIDO CITRUS UNION, Escondido, Calif. Filed Mar. 13, 1923.

HIDDENDALE

Particular description of goods.—Fresh Oranges and Lemons.
Claims use since Feb. 1, 1923.

Ser. No. 177,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIANAPOLIS ABATTOIR COMPANY, Indianapolis, Ind. Filed Mar. 13, 1923.

ABAROLA

Particular description of goods.—Hams, Shoulders, Bacon, Sausage, Tongues, Dried Beef, Jowls, Butts, and Lard.
Claims use since 1912.

Ser. No. 177,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM G. ROE, Winter Haven, Fla. Filed Mar. 13, 1923.

TRUBLU
BRAND



The picture of the lady's head is fanciful. The design of the orange and the word "Brand" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Dec. 29, 1922.

Ser. No. 177,484. (CLASS 39. CLOTHING.) HARRY W. GOLDMAN, doing business as The Harry W. Goldman Co., Baltimore, Md. Filed Mar. 15, 1923.

Bonnie Briar

Particular description of goods.—Middy Blouses, Ladies', Children's, and Misses' Dresses, Knickers, Boys' Suits, Bloomers, Overskirts, Waists, and Sport Coats.
Claims use since Feb. 26, 1923.

Ser. No. 177,515. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) POLYGON PRODUCTS Co., Boston, Mass. Filed Mar. 15, 1923.

KLENGON

Particular description of goods.—Preparation for Cleaning Fabric, Leather, and Woodwork, and for Dissolving and Removing Therefrom Tar, Grease, Oil, Gums, and Other Discolorations and Stains.
Claims use since August, 1922.

Ser. No. 177,544. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) A. BRUNS & SONS, Brooklyn, N. Y. Filed Mar. 16, 1923.

Bruns
MADERITE

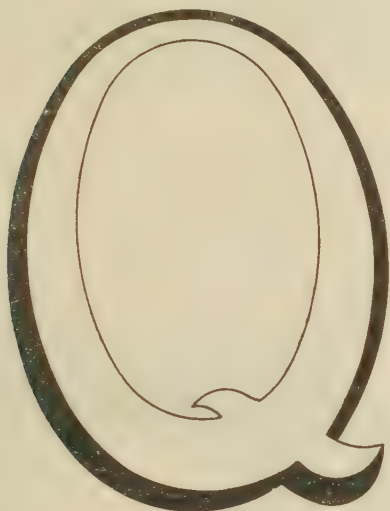
Particular description of goods.—Furniture-moving Pads, Tents, Tarpaulins, and Awnings and Waterproof Phonograph, Casket, Truck, and Piano Covers.
Claims use since June 15, 1919.

Ser. No. 177,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABBOTT, HALL & Co., also doing business as John Braadland Ltd., and Venus Packing Co., Boston, Mass. Filed Mar. 17, 1923.

Soo

Particular description of goods.—Canned Fish.
Claims use since June 1, 1923.

Ser. No. 177,631. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD SYRUP COMPANY, St. Louis, Mo. Filed Mar. 17, 1923.



Particular description of goods.—Fruit Preserves, Honey, and Mince-meat.

Claims use since about Aug. 1, 1922.

Ser. No. 177,659. (CLASS 45. BEVERAGES. NON-ALCOHOLIC.) ELGOT AND GIUNTINI, New York, N. Y. Filed Mar. 19, 1923.



Particular description of goods.—Maltless Soda-Fountain Sirups for Soft Drinks.

Claims use since November, 1922.

Ser. No. 177,760. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JACOB BACHMANN, doing business as J. Bachmann & Co., New York, N. Y. Filed Mar. 21, 1923.

GREEN FROG

Trade-mark consists of the word "Greenfrog."
Particular description of goods.—Leather Belting.
Claims use since Jan. 1, 1922.

Ser. No. 177,791. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAS. H. MATTHEWS & COMPANY, Pittsburgh, Pa. Filed Mar. 21, 1923.



No claim is made to the exclusive rights in the word "Tested" apart from the mark shown by the drawing.
Particular description of goods.—Steel Marking Dies.
Claims use since Nov. 1, 1922.

Ser. No. 177,983. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MORISSE LACE & EMBROIDERY Co., St. Louis, Mo. Filed Mar. 24, 1923.

MOLECO

Particular description of goods.—Braids, Tassels, Passementeries and Garnitures.

Claims use since August, 1912.

Ser. No. 177,984. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MORISSE LACE & EMBROIDERY Co., St. Louis, Mo. Filed Mar. 24, 1923.



Particular description of goods.—Braids, Tassels, Passementeries, and Garnitures.
Claims use since 1900.

Ser. No. 178,003. (CLASS 17. TOBACCO PRODUCTS.)
R. J. SEIDENBERG CO., Buffalo, N. Y. Filed Mar. 24,
1923.



SELECCION DE LUXE

Applicant disclaims the words "The Seal of Guaranteed Quality" and "Seleccion De Luxe."
Particular description of goods.—Cigars.
Claims use since Mar. 9, 1923.

Ser. No. 178,032. (CLASS 45. BEVERAGES, NONALCOHOLIC. FLORIDA PRODUCTS COMPANY, INC., New York, N. Y. Filed Mar. 26, 1923.

POM-ORA

Particular description of goods.—Maltless Carbonated Beverages Sold as Soft Drinks.
Claims use since Mar. 10, 1923.

Ser. No. 178,060. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE PAINE & WILLIAMS COMPANY, Cleveland, Ohio. Filed Mar. 26, 1923.

"RUNBO"

Particular description of goods.—Rubber Matting.
Claims use since on or about Aug. 1, 1922.

Ser. No. 178,069. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STEEL PRODUCTS COMPANY, Cleveland, Ohio. Filed Mar. 26, 1923.

THOMPSON SILCROME

Particular description of goods.—Poppet Valves for Internal-Combustion Engines and Tools and Parts Thereof.
Claims use since Mar. 3, 1922.

Ser. No. 178,070. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STEEL PRODUCTS COMPANY, Cleveland, Ohio. Filed Mar. 26, 1923.

SILCROME

Particular description of goods.—Poppet Valves for Internal-Combustion Engines and Tools and Parts Thereof.

Claims use since Sept. 7, 1921.

Ser. No. 178,105. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOHN JAMES & SONS LIMITED, Redditch, England. Filed Mar. 27, 1923.



No claim is made to the exclusive right to the use of the word "Sharps" or the word "Trade Mark" apart from the mark shown in the drawing.

Particular description of goods.—Needles for Hand Sewing.

Claims use since about 1884.

Ser. No. 178,162. (CLASS 38. PRINTS AND PUBLICATIONS.) A. GENEVIEVE CALKINS, doing business as South Norwalk Evening Sentinel, South Norwalk, Conn. Filed Mar. 28, 1923.

Jean Vernon.

Nom de plume "Jean Vernon."

Particular description of goods.—Newspaper and Magazine Articles, Prints, and Publications.

Claims use since May 19, 1922.

Ser. No. 178,182. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HIRAM MERRITT, doing business as Diozone Company, Newburgh, N. Y. Filed Mar. 28, 1923.

DIOZONE

The drawing is lined for the purpose of shading only.
Particular description of goods.—Paste for Cleaning False Teeth.

Claims use since Feb. 28, 1921.

Ser. No. 178,213. (CLASS 17. TOBACCO PRODUCTS.)
ISAAC BLUM, New York, N. Y. Filed Mar. 29, 1923.

MIRROR

Particular description of goods.—Cigarettes.
Claims use since Mar. 15, 1923.

Ser. No. 178,318. (CLASS 2. RECEPTACLES.) GEORGE
X. WENDLING, San Francisco, Calif. Filed Mar. 29,
1923.



Particular description of goods.—Box Shooks.
Claims use since July, 1921.

Ser. No. 178,380. (CLASS 38. PRINTS AND PUBLICA-
TIONS.) THE FOWLER & SLATER CO., Cleveland, Ohio.
Filed Mar. 31, 1923.

Matto

Particular description of goods.—Photographic Prints.
Claims use since Feb. 1, 1923.

Ser. No. 178,434. (CLASS 23. CUTLERY, MACHINERY,
AND TOOLS, AND PARTS THEREOF.) THE EAGLE
CARBURETOR COMPANY, Cleveland, Ohio. Filed Apr. 2,
1923.

SUPER-TUBE

Particular description of goods.—Carburetors and
Structural Parts and Fittings Therefor.
Claims use since on or about Mar. 10, 1923.

Ser. No. 178,496. (CLASS 1. RAW OR PARTLY-PRE-
PARED MATERIALS.) DELTA EXPORT LUMBER CORPO-
RATION, Memphis, Tenn. Filed Apr. 3, 1923.



Particular description of goods.—Logs.
Claims use since June 1, 1922.

Ser. No. 178,571. (CLASS 23. CUTLERY, MACHINERY,
AND TOOLS, AND PARTS THEREOF.) SANDVIKENS
JERNVERKS AKTIEBOLAG, Sandviken, Sweden. Filed Apr.
4, 1923.



Particular description of goods.—Saws Handled and
Not Handled, Hammers, Sledges, Wedges, Stone Picks,
and Pickaxes.
Claims use since Jan. 25, 1888.

Ser. No. 178,699. (CLASS 22. GAMES, TOYS, AND
SPORTING GOODS.) HENRY STORGAARD, doing busi-
ness as Aut-O-Luk Card Co., Yakima, Wash. Filed
Apr. 6, 1923.

AUT-O-LUK

Particular description of goods.—Card Game.
Claims use since Mar. 11, 1923.

Ser. No. 178,704. (CLASS 40. FANCY GOODS, FUR-
NISHINGS, AND NOTIONS.) ASSOCIATED MERCHAN-
DISING CORPORATION, Newark, N. J., and New York,
N. Y. Filed Apr. 7, 1923.



No rights to registration are claimed on the word
"Brand" apart from the mark shown.
Particular description of goods.—Tape.
Claims use since October, 1922.

Ser. No. 178,705. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ASSOCIATED MERCHANTS CORPORATION, Newark, N. J., and New York, N. Y. Filed Apr. 7, 1923.

“ZEPHYR”

Particular description of goods.—Dress Shields.
Claims use since August, 1922.

Ser. No. 178,872. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden. Filed Apr. 9, 1923.

SANDVIK

Particular description of goods.—Saws Handled and Not Handled, Hammers, Sledges, Wedges, Stone Picks, Pickaxes.

Claims use since Oct. 13, 1868.

Ser. No. 178,984. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FOAMITE-CHILDS CORPORATION, Utica, N. Y. Filed Apr. 11, 1923.



Right to registration under the trade-mark act of Feb. 20, 1905, as amended, of the words "Smothers Fire" apart from the mark shown is not claimed.

Particular description of goods.—Hand-Operated, Portable, and Stationary Fire-Extinguishing Apparatus.

Claims use since on or about Sept. 1, 1914.

Ser. No. 179,330. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LEO L. CHADWIN, doing business as Protection Tire & Rubber Company, Philadelphia, Pa. Filed Apr. 12, 1923.

PROTECTION

Trade-mark consists of the word "Protection."

Particular description of goods.—Rubber Tires and Inner Tubes.

Claims use since Feb. 8, 1923.

Ser. No. 179,104. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Apr. 13, 1923.

DAINTYWEIGHT

Particular description of goods.—Dress Shields.
Claims use since Apr. 2, 1923.

Ser. No. 179,224. (CLASS 37. PAPER AND STATIONERY.) RICHTER CARD & PAPER CO., INC., New York, N. Y. Filed Apr. 16, 1923.

REDO INC
STERLING
Vellum Finish
Announcements

No claim made to the exclusive use of the words "Vellum Finish Announcements" apart from the mark as shown on the drawing.

Particular description of goods.—Announcements Consisting of a Card and Envelope and Folded Sheet and Envelope.

Claims use since September, 1920.

Ser. No. 179,325. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIFE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923.

ADHERO
RIVETED TO THE SURFACE

Particular description of goods.—Primer Paint for Metal Surfaces.

Claims use since Mar. 1, 1920.

Ser. No. 179,326. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIFE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923.

DuraAlba

Particular description of goods.—Paste Paint.
Claims use since Apr. 1, 1919.

Ser. No. 179,331. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923.

DRYFLET

Particular description of goods.—Paint Oil to be Added to Paint.

Claims use since Jan. 3, 1912.

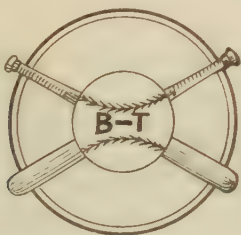
Ser. No. 179,377. (CLASS 37. PAPER AND STATIONERY.) MILLER'S BOOK STORE, INC., Atlanta, Ga. Filed Apr. 19, 1923.

MILLER'S ETERNAL

Particular description of goods.—Fountain Pens.

Claims use since Jan. 1, 1923.

Ser. No. 179,394. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BON-TOBER SPORTING GOODS CO., Hartford, Conn. Filed Apr. 20, 1923.



The representation of a baseball is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Baseballs and Baseball Gloves.

Claims use since June 1, 1921.

Ser. No. 179,424. (CLASS 2. RECEPTACLES.) PAGE & SHAW, INCORPORATED, Cambridge, Mass. Filed Apr. 20, 1923.

CELLUCLAIRE

Particular description of goods.—Transparent Containers for Food Products.

Claims use since Mar. 26, 1923.

312 O. G.—3

Ser. No. 179,426. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) POWERS, FRIEND & LICHTMAN, New York, N. Y. Filed Apr. 20, 1923.



Particular description of goods.—Fringes and Art Needlework Consisting of Stamped Linens and Cottons.

Claims use since Apr. 4, 1923.

Ser. No. 179,528. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRIEDMAN & KRIEGER, New York, N. Y. Filed Apr. 23, 1923.

VENESIA

Particular description of goods.—Cotton Fabrics.

Claims use since June 20, 1922.

Ser. No. 179,569. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALTHER MANUFACTURING CO., Philadelphia, Pa. Filed Apr. 23, 1923.

CREP-O-CORD

Particular description of goods.—Worsted Piece Goods, Woolen Piece Goods, Worsted and Cotton Piece Goods, Woolen and Cotton Piece Goods, and Worsted and Silk Piece Goods.

Claims use since about Apr. 16, 1923.

Ser. No. 179,608. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KUMMER, UPMANN & CO., New York, N. Y. Filed Apr. 24, 1923.

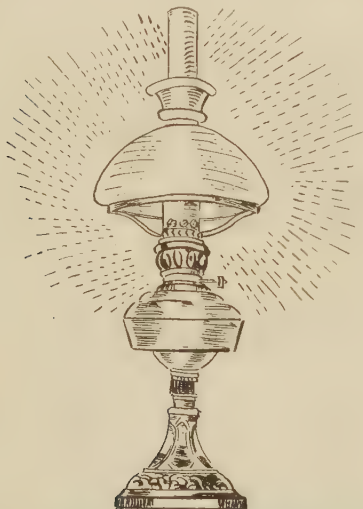


LA MODA

Particular description of goods.—Cotton Piece Goods.

Claims use since 1920.

Ser. No. 179,620. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUSS, HESSLEIN & CO., INC., New York, N. Y. Filed Apr. 24, 1923.



Particular description of goods.—Printed Cotton Piece Goods, Bleached and Gray Cotton Piece Goods, and Dyed in the Yarn Cotton Piece Goods.

Claims use since July, 1913.

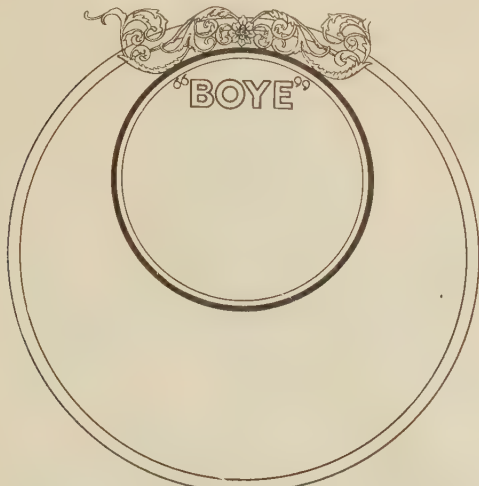
Ser. No. 179,631. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES THOMPSON & CO., New York, N. Y. Filed Apr. 24, 1923.



Particular description of goods.—Netted or Wide-Mesh Fabrics.

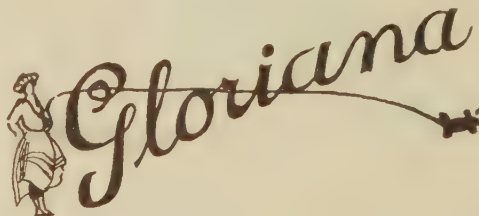
Claims use since Jan. 1, 1921.

Ser. No. 179,773. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE BOYE NEEDLE CO., Chicago, Ill. Filed Apr. 27, 1923.



Particular description of goods.—Key Chains.
Claims use since Jan. 1, 1923.

Ser. No. 179,798. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KNITTED TEXTILES CORPORATION, New York, N. Y., and Allentown, Pa. Filed Apr. 27, 1923.



Particular description of goods.—Woven and Knitted Textile Fabrics in the Piece and Cotton and Wool Piece Goods.

Claims use since Oct. 5, 1922.

Ser. No. 179,799. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KNITTED TEXTILES CORPORATION, New York, N. Y., and Allentown, Pa. Filed Apr. 27, 1923.



Particular description of goods.—Woven and Knitted Textile Fabrics in the Piece and Cotton and Wool Piece Goods.

Claims use since Oct. 1, 1922.

Ser. No. 179,836. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VARY KNIT CO., INC., Union Hill, N. J., and New York, N. Y. Filed Apr. 27, 1923.



Particular description of goods.—Knitted Wool and Cotton Goods in the Piece.

Claims use since Oct. 5, 1922.

Ser. No. 179,882. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PEASLEE-GAULBERT CO., Louisville, Ky. Filed Apr. 28, 1923.

RE-NU-LAC

Particular description of goods.—Varnish Stains and Paint Enamel.

Claims use since Sept. 14, 1904.

Ser. No. 179,902. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALTHER MANUFACTURING Co., Philadelphia, Pa. Filed Apr. 28, 1923.

CREP-O-PLAID

Particular description of goods.—Worsted Piece Goods, Woolen Piece Goods, Worsted and Cotton Piece Goods, Woolen and Cotton Piece Goods, and Worsted and Silk Piece Goods.

Claims use since about Apr. 23, 1923.

Ser. No. 179,940. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE HOCKADAY COMPANY, Chicago, Ill. Filed Apr. 30, 1923.

HOCKADAY'S INTERIO

Particular description of goods.—Wall Finishes and Reducers.

Claims use since Jan. 1, 1911.

Ser. No. 179,994. (CLASS 31. FILTERS AND REFRIGERATORS.) D. EDDY AND SONS COMPANY, Boston, Mass. Filed May 1, 1923.

THE FATHER OF THEM ALL

The trade-mark consists of the words "The Father Of Them All"

Particular description of goods.—Refrigerating Apparatus.

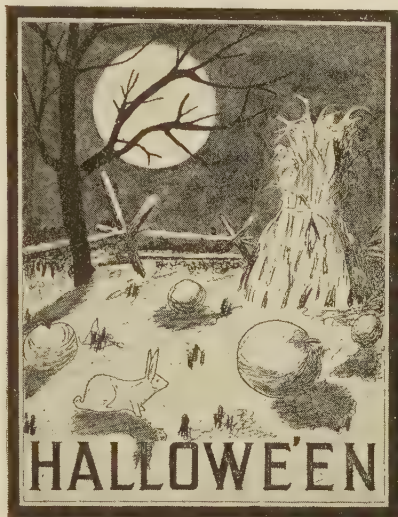
Claims use since Apr. 1, 1920.

Ser. No. 180,038. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed May 1, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since July 18, 1916.

Ser. No. 180,039. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed May 1, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 31, 1917.

Ser. No. 180,065. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. G. HALL, doing business as Hall Rod Works, Highland Mills, N. Y. Filed May 2, 1923. Under ten-year proviso.

CELEBRATED

Particular description of goods.—Fishing Lines Both Braided and Twisted, Rods, Snelled Hooks, and Leaders.
Claims use since 1837.

Ser. No. 180,082. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARTHUR N. SANDERSON, West Springfield, Mass. Filed May 2, 1923.



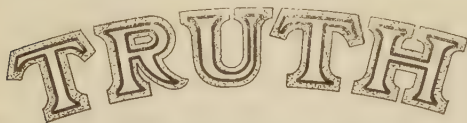
Particular description of goods.—Automobile, Piano, and Furniture Polish.
Claims use since Apr. 13, 1923.

Ser. No. 180,097. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) COLONIAL WORKS, Brooklyn, N. Y. Filed May 3, 1923.



Particular description of goods.—Paste Paint and Ready-Mixed Paint.
Claims use since Feb. 1, 1923.

Ser. No. 180,139. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACIFIC MILLS, Lawrence and Boston, Mass. Filed May 3, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 24, 1923.

Ser. No. 180,145. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SCHWARZENBACH HUBER COMPANY, West Hoboken N. J. Filed May 3, 1923.

DARBROOK

Particular description of goods.—Silk and Artificial-Silk Piece Goods and Cotton, Linen, and Woolen Piece Goods and Combinations of the Foregoing.
Claims use since Apr. 12, 1923.

Ser. No. 180,146. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SCHWARZENBACH HUBER COMPANY, West Hoboken, N. J. Filed May 3, 1923.

MIDAS

Particular description of goods.—Cotton Back Satin in the Piece.
Claims use since 1917.

Ser. No. 180,161. (CLASS 27. PAPER AND STATIONERY.) WHITING PAPER COMPANY, Holyoke, Mass. Filed May 3, 1923.

LONDON WRITINGS

Particular description of goods.—Writing Papers and Mailing Envelopes, and Printing Papers.
Claims use since January, 1894.

Ser. No. 180,311. (CLASS 2. RECEPTACLES.) THE VORTEX MFG. Co., Chicago, Ill. Filed May 7, 1923.



Particular description of goods.—Metal Holders for Paper Dishes and Dispensing Receptacles for Paper Dishes.

Claims use since October, 1913.

Ser. No. 180,313. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WEST ELECTRIC HAIR CURLER COMPANY, Philadelphia, Pa. Filed May 7, 1923.

West "Midget" Hair Curlers

No claim made to the words "Hair Curlers" apart from the mark as shown.

Particular description of goods.—Hair Curlers.

Claims use since 1906.

Ser. No. 180,638. (CLASS 2. RECEPTACLES.) FRED A. WISH INCORPORATED, New York, N. Y. Filed May 14, 1923.

UNCLE WIGGILY

Particular description of goods.—Metal and Paper Fancy Containers and Boxes.

Claims use since Oct. 4, 1922.

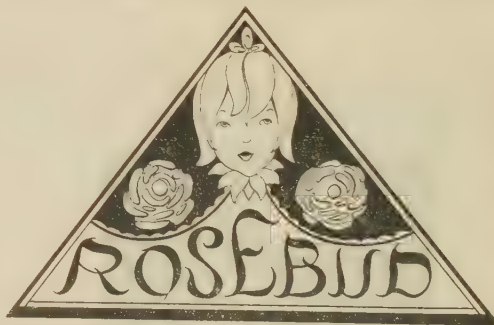
Ser. No. 180,732. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BRADLEY-WISE PAINT CO., Los Angeles, Calif. Filed May 17, 1923.

BRADOLIN

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Varnishes, Paint Enamels, and Dry Pigment.

Claims use since Feb. 1, 1922.

Ser. No. 180,738. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BARASH BROTHERS, Inc., New York, N. Y. Filed May 17, 1923.



Particular description of goods.—Rickrack Braid and Shirred Ribbon Elastic.

Claims use since Apr. 1, 1923.

Ser. No. 180,762. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GEORGE A. HAYNES, Inc., Boston, Mass. Filed May 17, 1923.

SEZIT

Trade-mark consists of the word "Sezit."

Particular description of goods.—Caps or Closures for Receptacles Such as Bottles, Jars, and the Like.

Claims use since Nov. 27, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 3, 1923.

- 169,749. A FLY AND INSECT MIST. THE JOHNSTON UNITED CHEMICAL Co., Inc., Clare, Mich.
Filed November 18, 1922. Serial No. 172,224. PUBLISHED MARCH 27, 1923.
- 169,750. LIQUID TONIC FOR TONING UP THE SYSTEM. SOUTHERN LABORATORIES, Inc., Atlanta, Ga.
Filed November 15, 1922. Serial No. 172,064. PUBLISHED MARCH 27, 1923.
- 169,751. PHARMACEUTICAL PREPARATIONS FOR CERTAIN NAMED PURPOSES. ANNIE M. MALONE, doing business as Poro College. St. Louis, Mo.
Filed November 1, 1922. Serial No. 171,464. PUBLISHED MARCH 27, 1923.
- 169,752. WOOL YARN. WOLLGARNFABRIK FULDA G. m. b. H., Fulda, Germany.
Filed November 6, 1922. Serial No. 171,877. PUBLISHED MARCH 27, 1923.
- 169,753. COMPACT POWDERS AND COMPACT ROUGE. RICHARD HUDNUT, New York, N. Y.
Filed November 1, 1922. Serial No. 171,462. PUBLISHED MARCH 27, 1923.
- 169,754. COMPACT POWDERS AND COMPACT ROUGE. RICHARD HUDNUT, New York, N. Y.
Filed November 1, 1922. Serial No. 171,461. PUBLISHED MARCH 27, 1923.
- 169,755. SOAP AND SOAP PASTE AND SOAP POWDER. EMIL B. SEGERSTROM, Anaheim, Calif.
Filed October 30, 1922. Serial No. 171,390. PUBLISHED MARCH 27, 1923.
- 169,756. DENTIFRICES. SOCIÉTÉ ANONYME LA BIOTHERAPIE (SOCIÉTÉ ANONYME DE PRODUITS CHIMIQUES BIOLOGIQUES ET D'HYGIÈNE), Paris, France.
Filed October 27, 1922. Serial No. 171,289. PUBLISHED MARCH 27, 1923.
- 169,757. PERFUMES, PERFUME POWDERS, AND TOILET WATERS. COLGATE & COMPANY, Jersey City, N. J.
Filed October 26, 1922. Serial No. 171,201. PUBLISHED MARCH 27, 1923.
- 169,758. CANDY AND CONFECTIONS. HUYLER'S, New York, N. Y.
Filed August 3, 1920. Serial No. 135,754. PUBLISHED MARCH 27, 1923.
- 169,759. IMPREGNATING MATERIAL FOR USE AS A PRESERVATIVE. CHEMISCHE FABRIKEN VORM. WEILER-TER MEER, Uerdingen, Germany.
Filed September 30, 1922. Serial No. 170,126. PUBLISHED MARCH 6, 1923.
- 169,760. IMPREGNATING MATERIAL FOR USE AS A PRESERVATIVE. CHEMISCHE FABRIKEN VORM. WEILER-TER MEER, Uerdingen, Germany.
Filed September 30, 1922. Serial No. 170,125. PUBLISHED MARCH 6, 1923.
- 169,761. IMPREGNATING MATERIAL FOR USE AS A PRESERVATIVE. CHEMISCHE FABRIKEN VORM. WEILER-TER MEER, Uerdingen, Germany.
Filed September 30, 1922. Serial No. 170,124. PUBLISHED MARCH 6, 1923.
- 169,762. SWEET-PICKLED WATERMELON RIND. G. B. RAFFETTO, Inc., New York, N. Y.
Filed September 16, 1922. Serial No. 169,561. PUBLISHED APRIL 3, 1923.
- 169,763. CERTAIN ARTICLES OF CLOTHING. JORDAN MARSH COMPANY, Boston, Mass.
Filed September 15, 1922. Serial No. 169,490. PUBLISHED APRIL 3, 1923.
- 169,764. GERMICIDE SCALP CLEANSER. GEORGE D. TIETJEN, doing business as Kleen Products Co., Hasbrouck Heights, N. J.
Filed September 14, 1922. Serial No. 169,459. PUBLISHED MARCH 6, 1923.
- 169,765. COATS FOR CHILDREN, JUNIORS, MISSES, AND LADIES. DORFMAN & MILLER, New York, N. Y.
Filed September 13, 1922. Serial No. 169,396. PUBLISHED APRIL 3, 1923.
- 169,766. CANDY. LOUIS L. LIPSCHULTZ, doing business as Lips Specialty Candy Co., Chicago, Ill.
Filed September 11, 1922. Serial No. 169,311. PUBLISHED APRIL 3, 1923.
- 169,767. MEDICINE FOR THE TREATMENT OF ULCERATIVE AND DISEASED CONDITIONS OF MOUTH AND THROAT. THE CLARKE CHEMICAL Co., Kansas City, Mo.
Filed September 11, 1922. Serial No. 169,283. PUBLISHED MARCH 13, 1923.
- 169,768. A PREPARATION FOR THE SCALP. ALICE R. MELLER, doing business as The Sani Scalp Co., Pittsburgh, Pa.
Filed September 9, 1922. Serial No. 169,253. PUBLISHED MARCH 13, 1923.
- 169,769. WOMEN'S BLOOMERS. THE L. N. GROSS COMPANY, Cleveland, Ohio.
Filed September 9, 1922. Serial No. 169,240. PUBLISHED APRIL 3, 1923.
- 169,770. LADIES', MISSES', AND CHILDREN'S DRESSES. NICKELS MANUFACTURING COMPANY, Bristol, Va.
Filed September 7, 1922. Serial No. 169,179. PUBLISHED APRIL 3, 1923.
- 169,771. MEDICINAL TABLETS FOR DISORDERS OF THE STOMACH AND BOWELS, FACE AND SKIN LOTIONS, SHAMPOO, AND HAIR ELIXIR. KALINA COMPANY, Buffalo, N. Y.
Filed September 7, 1922. Serial No. 169,169. PUBLISHED MARCH 6, 1923.
- 169,772. HOT BOTTLES FOR MEDICAL PURPOSES. B. H. DYER COMPANY, Philadelphia, Pa.
Filed September 5, 1922. Serial No. 169,053. PUBLISHED APRIL 3, 1923.
- 169,773. POTATO CHIPS. HARRY C. BLAKELY, New Britain, Conn.
Filed August 31, 1922. Serial No. 168,913. PUBLISHED APRIL 3, 1923.
- 169,774. LADIES', WOMEN'S, AND MISSES' GOWNS, WRAPS, DRESSES, COATS, CLOAKS, CAPES, SKIRTS, AND SUITS. LOUSOLS PHILADELPHIA, Philadelphia, Pa.
Filed August 30, 1922. Serial No. 168,901. PUBLISHED APRIL 3, 1923.
- 169,775. SKIN LOTIONS AND CREAMS. JEAN JORDEAU Inc., South Orange, N. J., and New York, N. Y.
Filed August 30, 1922. Serial No. 168,893. PUBLISHED MARCH 6, 1923.

169,776. LAXATIVE OR MILD PURGATIVE PILL PREPARATION. WILFORD HARRISON, doing business as Delta Chemical Company, Wichita Falls, Tex. Filed August 28, 1922. Serial No. 168,865. PUBLISHED MARCH 6, 1923.

169,777. CHOCOLATE FRUIT BAR. GRUENHAGEN'S, San Francisco, Calif. Filed August 28, 1922. Serial No. 168,766. PUBLISHED APRIL 3, 1923.

169,778. HAIR GLOSS AND HAIR GROWER. MAY E. SWAN, doing business as Madame J. E. Swan, New York, N. Y. Filed August 26, 1922. Serial No. 168,737. PUBLISHED MARCH 13, 1923.

169,779. A MEDICINAL COMPOUND FOR DISEASES OF THE STOMACH. CHARLES F. DARE & SON, INC., Bridgeton, N. J. Filed November 20, 1922. Serial No. 172,265. PUBLISHED MARCH 27, 1923.

169,780. COMPOUND FOR DISSOLVING AND REMOVING SCALE AND RUST FROM BOILERS, RADIATORS, AND WATER JACKETS. THE BOILER SCALE DISSOLVENT CORP., Buffalo, N. Y. Filed November 21, 1922. Serial No. 172,318. PUBLISHED MARCH 27, 1923.

169,781. SOAP FOR TOILET, BATH, LAUNDRY, AND ALL DETERGENT PURPOSES. FRANK GAUIS BURKE, doing business as Manhattan Soap Company, New York, N. Y. Filed November 25, 1922. Serial No. 172,508. PUBLISHED MARCH 27, 1923.

169,782. DYED COTTON PIECE GOODS. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England. Filed September 13, 1919. Serial No. 122,624. PUBLISHED MARCH 20, 1923.

169,783. CERTAIN NAMED PIECE GOODS. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England. Filed September 13, 1919. Serial No. 122,625. PUBLISHED MARCH 27, 1923.

169,784. TOOTH PASTE. UNITED RETAIL CHEMISTS CORPORATION, New York, N. Y. Filed June 11, 1921. Serial No. 149,039. PUBLISHED MARCH 27, 1923.

169,785. A MEDICINE USED IN THE TREATMENT OF CANCER. WILLIAM E. MITCHELY, Williamsport, Pa. Filed October 17, 1921. Serial No. 154,229. PUBLISHED MARCH 27, 1923.

169,786. FOOT POWDER. WILLIAM THOMAS SHAW, doing business as Shoemaco Mfg. Co., Beilevue, Ohio. Filed November 21, 1921. Serial No. 155,709. PUBLISHED MARCH 20, 1923.

169,787. TOOTH PASTE, TOOTH POWDER, AND MOUTH WASH. OTTOMAR HEINSIUS V. MAYENBURG, doing business as Laboratorium Leo, Dresden, Germany. Filed December 21, 1921. Serial No. 156,996. PUBLISHED MARCH 27, 1923.

169,788. PUBLICATION DEVOTED TO THE ELECTRICAL AND GENERAL TRADES OTHER THAN JEWELRY. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed July 26, 1922. Serial No. 167,389. PUBLISHED MARCH 27, 1923.

169,789. COMPLETELY-PRINTED BOOKS. MORRIS J. HOENIG, Newark, N. J. Filed August 19, 1922. Serial No. 168,470. PUBLISHED MARCH 27, 1923.

169,790. POWDERS ADAPTED TO BE USED IN THE BATH. PARFUMERIE PAVANE, New York, N. Y. Filed August 30, 1922. Serial No. 168,900. PUBLISHED MARCH 20, 1923.

169,791. INSECTICIDES, BACTERICIDES, COMBINED INSECTICIDES AND FUNGICIDES, AND FUNGICIDES FOR PLANTS. BOBWHITE CHEMICAL CORPORATION, New York, N. Y. Filed September 1, 1922. Serial No. 168,953. PUBLISHED MARCH 27, 1923.

169,792. INSECTICIDES, BACTERICIDES, COMBINED INSECTICIDES AND FUNGICIDES, AND FUNGICIDES FOR PLANTS. BOBWHITE CHEMICAL CORPORATION, New York, N. Y. Filed September 1, 1922. Serial No. 168,954. PUBLISHED MARCH 27, 1923.

169,793. METAL POLISH, WORKING-BOARD POLISH, TILE AND MARBLE CLEANER, AND SOAP CHIPS. J. ELMER SMITH, doing business as Claressa Chemical Works, Irwin, Pa. Filed September 2, 1922. Serial No. 169,036. PUBLISHED MARCH 27, 1923.

169,794. HEAVY CHEMICALS AND ACIDS—VIZ, HYDROFLUORIC ACID, IRON PERCHLORIDE, AND SOLDERING FLUID. WIARDA & HALL ACID WORKS INC., Brooklyn, N. Y. Filed September 5, 1922. Serial No. 169,106. PUBLISHED MARCH 20, 1923.

169,795. PREPARATION FOR DISEASES OF THE MOUTH AND GUMS. HEROIC GUM REMEDY COMPANY, Atlanta, Ga. Filed September 9, 1922. Serial No. 169,246. PUBLISHED MARCH 20, 1923.

169,796. PERIODICALLY-ISSUED LITERARY SUPPLEMENT. THE ASSOCIATED PUBLISHERS OF IOWA, Waterloo, Iowa. Filed September 21, 1922. Serial No. 169,741. PUBLISHED MARCH 27, 1923.

169,797. THE NAME OF A MONTHLY MAGAZINE. RADIO WAVES PUBLISHING CO., Portland, Oreg. Filed September 22, 1922. Serial No. 169,825. PUBLISHED MARCH 27, 1923.

169,798. TROPICAL WORSTED PIECE GOODS. TROPICAL WORSTED COMPANY, INC., New York, N. Y. Filed September 22, 1922. Serial No. 169,836. PUBLISHED MARCH 27, 1923.

169,799. PREPARATIONS FOR PROTECTING ANIMAL SUBSTANCES AGAINST THE NOXIOUS EFFECT OF CHEMICALS, ESPECIALLY ALKALIES, DURING THE PROCESS OF REFINEMENT. ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Filed October 3, 1922. Serial No. 170,232. PUBLISHED MARCH 27, 1923.

169,800. PIECE GOODS MADE OF SILK. GOLDING FABRICS CORPORATION, New York, N. Y. Filed October 4, 1922. Serial No. 170,277. PUBLISHED MARCH 27, 1923.

169,801. BAKING POWDER. REQUA BROS., Cold Spring Harbor, N. Y. Filed October 17, 1922. Serial No. 170,833. PUBLISHED MARCH 27, 1923.

169,802. HAIR RESTORER. JAMES RACHEL SMITH, Dayton, Ohio. Filed August 24, 1922. Serial No. 168,652. PUBLISHED MARCH 13, 1923.

169,803. MALT EXTRACT. FALSTAFF CORPORATION, St. Louis, Mo. Filed April 6, 1922. Serial No. 161,831. PUBLISHED APRIL 3, 1923.

169,804. PHOTOGRAPHIC, PROJECTING, AND OPTICAL LENSES. MARIUS H. TROMBA, doing business as Paramount Lens Corporation, Brooklyn, N. Y. Filed April 14, 1922. Serial No. 162,327. PUBLISHED APRIL 10, 1923.

169,805. METAL PIPE NIPPLES. CHICAGO NIPPLE MANUFACTURING CO., Chicago, Ill. Filed May 8, 1922. Serial No. 163,502. PUBLISHED APRIL 10, 1923.

- 169,806. CHEMICAL USED IN THE BRAZING AND WELDING OF METALS. HARDWICK-HUTCHINS MANUFACTURING COMPANY, Chattanooga, Tenn. Filed May 20, 1922. Serial No. 164,163. PUBLISHED MARCH 13, 1923.
- 169,807. COAL. THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo. Filed May 24, 1922. Serial No. 164,472. PUBLISHED APRIL 3, 1923.
- 169,808. COAL. THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo. Filed May 24, 1922. Serial No. 164,476. PUBLISHED APRIL 3, 1923.
- 169,809. POMADE FOR THE SCALP AND HAIR. VAIL BROTHERS, Philadelphia, Pa. Filed June 5, 1922. Serial No. 165,048. PUBLISHED MARCH 13, 1923.
- 169,810. INK ERADICATOR. GUILD PRODUCTS CORPORATION, Philadelphia, Pa. Filed June 15, 1922. Serial No. 165,544. PUBLISHED MARCH 13, 1923.
- 169,811. PERFUMES. GEORGE YORITA, doing business as The Beia Company, Los Angeles, Calif. Filed July 8, 1922. Serial No. 166,617. PUBLISHED MARCH 6, 1923.
- 169,812. ICE CREAM. PHILLIP SMOLINSKY, doing business as Parkview Pharmacy, Kansas City, Mo. Filed July 10, 1922. Serial No. 166,725. PUBLISHED APRIL 3, 1923.
- 169,813. DECOLORIZING CHARCOAL FOR USE FOR MINERAL AND VEGETABLE OILS. VEREINFÜR CHEMISCHE UND METALLURGISCHE PRODUKTION, Aussig, Czechoslovakia. Filed July 25, 1922. Serial No. 167,372. PUBLISHED MARCH 13, 1923.
- 169,814. SOLE LEATHER IN THE SIDE, IN BACKS, IN BENDS, AND IN BEND HEARTS. C. G. FLECKENSTEIN Co., Muskegon, Mich. Filed July 26, 1922. Serial No. 167,386. PUBLISHED APRIL 3, 1923.
- 169,815. LINK BELTS. VICTORY V BELT Co., Catasauqua, Pa. Filed August 2, 1922. Serial No. 167,744. PUBLISHED APRIL 10, 1923.
- 169,816. COAL. KING COAL COMPANY, San Francisco, Calif. Filed August 8, 1922. Serial No. 167,966. PUBLISHED APRIL 3, 1923.
- 169,817. ANTISEPTIC CAPSULES FOR WOMEN AND ANTISEPTIC LINIMENT FOR GENERAL PAINS. ARTHUR R. HIATT, Stockport, Iowa. Filed August 9, 1922. Serial No. 167,982. PUBLISHED MARCH 6, 1923.
- 169,818. FRESH CITROUS FRUITS. REDLAND CITRUS GROWERS ASSOCIATION, Homestead, Fla. Filed August 10, 1922. Serial No. 168,068. PUBLISHED APRIL 3, 1923.
- 169,819. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed August 11, 1922. Serial No. 168,109. PUBLISHED APRIL 3, 1923.
- 169,820. READY-PREPARED CERAMIC GLASSES AND ENAMELS. THE VITRO MANUFACTURING COMPANY, Pittsburgh, Pa. Filed August 23, 1922. Serial No. 168,625. PUBLISHED APRIL 3, 1923.
- 169,821. FUEL INTENSIFIER AND CARBON REMOVER. CERTIFIED LABORATORIES, INC., Newark, N. J. Filed August 24, 1922. Serial No. 168,632. PUBLISHED MARCH 13, 1923.
- 169,822. METAL-WORKING SMALL TOOLS. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio. Filed January 9, 1923. Serial No. 174,358. PUBLISHED APRIL 10, 1923.
- 169,823. WRAPPING PAPER. GEO. W. MILLAR & Co. Inc., New York, N. Y. Filed January 8, 1923. Serial No. 174,319. PUBLISHED MARCH 27, 1923.
- 169,824. FLOOR COVERINGS. SALEM MANUFACTURING COMPANY, Salem, N. J., and New York, N. Y., assignor to Congoleum Company, Inc., Philadelphia, Pa., a Corporation of New York. Filed January 3, 1923. Serial No. 174,153. PUBLISHED APRIL 3, 1923.
- 169,825. READY-MIXED AND PASTE PAINTS, VARNISHES, AND PAINT ENAMELS. ENTERPRISE PAINT MFG. Co., Chicago, Ill. Filed December 30, 1922. Serial No. 174,001. PUBLISHED APRIL 3, 1923.
- 169,826. CERTAIN NAMED MEDICAL AND SURGICAL APPLIANCES. EISELE & Co., Nashville, Tenn. Filed December 29, 1922. Serial No. 173,959. PUBLISHED APRIL 3, 1923.
- 169,827. FOUNTAIN COMBS CAPABLE OF CONTAINING A LIQUID FOR PASSAGE THROUGH THE HAIR. CAPITOLA TONIC COMB Co., New York, N. Y. Filed December 18, 1922. Serial No. 173,463. PUBLISHED APRIL 3, 1923.
- 169,828. MALT EXTRACTS. HENNING WENNERSTEN INCORPORATED, Chicago, Ill. Filed December 16, 1922. Serial No. 173,422. PUBLISHED APRIL 3, 1923.
- 169,829. READY-MIXED PAINT AND PAINT THINNER. THE BARRETT COMPANY, New York, N. Y. Filed December 13, 1922. Serial No. 173,269. PUBLISHED APRIL 3, 1923.
- 169,830. WALL SIZE IN DRY POWDER FORM. THE MURALO COMPANY, New York and New Brighton, N. Y. Filed December 11, 1922. Serial No. 173,201. PUBLISHED APRIL 3, 1923.
- 169,831. PHARMACEUTICAL PREPARATIONS FOR NERVOUS DISEASES, SEXUAL APATHY, AND OBESITY. THE PHOSPHO-ALBUMEN COMPANY, INCORPORATED, Newburgh, N. Y. Filed December 9, 1922. Serial No. 173,146. PUBLISHED MARCH 13, 1923.
- 169,832. PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. PARFUMERIE ROGER ET GALLET, Paris, France. Filed December 9, 1922. Serial No. 173,141. PUBLISHED MARCH 20, 1923.
- 169,833. BATING MATERIAL USED IN TANNING LEATHER. MOSER & Co., INC., New York, N. Y. Filed December 8, 1922. Serial No. 173,101. PUBLISHED APRIL 3, 1923.
- 169,834. MEDICINAL PREPARATION ACTING AS A SYSTEM CLEANSER AND REGULATOR. ALEXANDER W. CHAPPELL, doing business as Dr. R. H. Kline Co., Red Bank, N. J. Filed December 7, 1922. Serial No. 173,030. PUBLISHED MARCH 6, 1923.
- 169,835. PHARMACEUTICAL PREPARATION FOR CERTAIN PURPOSES. THE PHOSPHO-ALBUMEN COMPANY, INC., Newburgh, N. Y. Filed December 6, 1922. Serial No. 173,005. PUBLISHED MARCH 6, 1923.
- 169,836. DISINFECTANT AND DEODORIZER. B. HELLER & COMPANY, Chicago, Ill. Filed December 6, 1922. Serial No. 172,991. PUBLISHED MARCH 13, 1923.

169,837. CHEMICAL PREPARATION FOR CERTAIN NAMED PURPOSES. B. HELLER & COMPANY, Chicago, Ill.

Filed December 6, 1922. Serial No. 172,989. PUBLISHED MARCH 6, 1923.

169,838. DYES AND DYESTUFFS. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.

Filed December 6, 1922. Serial No. 172,987. PUBLISHED MARCH 6, 1923.

169,839. DYES AND DYESTUFFS. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.

Filed December 6, 1922. Serial No. 172,986. PUBLISHED APRIL 3, 1923.

169,840. COUGH MEDICINE. THE WYKOFF COMPANY, Wheeling, W. Va.

Filed December 5, 1922. Serial No. 172,964. PUBLISHED MARCH 13, 1923.

169,841. PHARMACEUTICAL AND MEDICINAL PREPARATIONS FOR TREATING ANIMALS. SHORES-MUELLER COMPANY, Cedar Rapids, Iowa.

Filed December 5, 1922. Serial No. 172,962. PUBLISHED MARCH 13, 1923.

169,842. CERTAIN NAMED TOILET PREPARATIONS. RE-AL-JO PRODUCTS COMPANY, Waterloo, Iowa.

Filed December 5, 1922. Serial No. 172,959. PUBLISHED MARCH 13, 1923.

169,843. CERTAIN NAMED TOILET PREPARATIONS. ALICE L. LYNCH, doing business as Alice-Louise Co., New York, N. Y.

Filed December 5, 1922. Serial No. 172,950. PUBLISHED MARCH 13, 1923.

169,844. TOILET PREPARATION FOR SOFTENING AND WHITENING CHAPPED AND ROUGH SKIN. KANDERS PHARMACAL CO., New York, N. Y.

Filed December 4, 1922. Serial No. 172,882. PUBLISHED MARCH 13, 1923.

169,845. CERTAIN NAMED TOILET PREPARATIONS. LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J.

Filed December 5, 1922. Serial No. 172,947. PUBLISHED MARCH 13, 1923.

169,846. JAR RUBBERS. JOANNES BROS. CO., Green Bay, Wis.

Filed December 4, 1922. Serial No. 172,880. PUBLISHED APRIL 3, 1923.

169,847. BLUING, LAUNDRY STARCH, BAKING POWDER, AND LYE. JOANNES BROS. CO., Green Bay, Wis.

Filed December 4, 1922. Serial No. 172,879. PUBLISHED MARCH 13, 1923.

169,848. CITRATE OF MAGNESIA. THE H. E. FREES CO., Chicago, Ill.

Filed December 4, 1922. Serial No. 172,871. PUBLISHED MARCH 13, 1923.

169,849. PNEUMATIC-TIRE CASINGS MADE OF RUBBER COMBINED WITH FABRIC. THE B. F. GOODRICH COMPANY, New York, N. Y.

Filed November 24, 1922. Serial No. 172,472. PUBLISHED APRIL 3, 1923.

169,850. COFFEE-BAG SUPPORTS AS USED IN COFFEE URNS. JOHANNES TH. PEDERSEN, New York, N. Y.

Filed November 23, 1922. Serial No. 172,432. PUBLISHED APRIL 10, 1923.

169,851. RAILWAY TRACK MATERIAL AND MISCELLANEOUS CASTINGS AND FORGINGS. RAM-APO AJAX CORPORATION, New York, N. Y.

Filed November 22, 1922. Serial No. 172,395. PUBLISHED APRIL 10, 1923.

169,852. MEDICINAL HERB PREPARATION USED AS A GENERAL TONIC. WING LEE WAI COMPANY, San Francisco, Calif.

Filed November 20, 1922. Serial No. 172,304. PUBLISHED MARCH 6, 1923.

169,853. FUNGICIDE, SEED DISINFECTANT, AND GENERAL DISINFECTANT. E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del.

Filed November 20, 1922. Serial No. 172,263. PUBLISHED MARCH 13, 1923.

169,854. PREPARATION FOR THE TREATMENT OF THE EYES. LYMAN A. STINSON, doing business as P. & S. Laboratories, Sandwich, Ill.

Filed November 18, 1922. Serial No. 172,243. PUBLISHED MARCH 6, 1923.

169,855. MEDICINAL PREPARATION FOR THE TREATMENT OF TOOTHACHE AND PYORRHEA. ALBERT A. SCHWERIN, Sr., Kingman, Ariz.

Filed November 16, 1922. Serial No. 172,124. PUBLISHED MARCH 6, 1923.

169,856. COMBINATION WOODWORKING MACHINES FOR SAWING, BORING, PLANING, JOINTING, AND OTHER OPERATIONS. HUTCHINSON MANUFACTURING CO., INC., Norristown, Pa.

Filed November 16, 1922. Serial No. 172,094. PUBLISHED APRIL 10, 1923.

169,857. A PURIFYING DEODORANT FOR MOUTH AND STOMACH. MAYBREATH COMPANY, Chicago, Ill.

Filed November 15, 1922. Serial No. 172,050. PUBLISHED MARCH 13, 1923.

169,858. HYDRAULIC GATES. ERNEST L. BROOME, New York, N. Y.

Filed November 15, 1922. Serial No. 172,028. PUBLISHED APRIL 10, 1923.

169,859. FUR SKINS. NORTH AMERICAN FUR DYEING CO., Newark, N. J.

Filed November 13, 1922. Serial No. 171,883. PUBLISHED APRIL 3, 1923.

169,860. A MEDICINE USED AS A CALMANT AND ANTISPASMODIC. SOCIETE DES PRODUITS CHIMIQUES SPECIAUX BREVETS LUMIERE, Lyon, France.

Filed November 10, 1922. Serial No. 171,821. PUBLISHED MARCH 20, 1923.

169,861. AN INSECTICIDE AND DISINFECTING DEODORANT. THEODORE MEYER, Philadelphia, Pa.

Filed November 8, 1922. Serial No. 171,738. PUBLISHED MARCH 20, 1923.

169,862. TABLE AND BED LINEN. M. G. GUERRA CO. INC., New York, N. Y.

Filed February 9, 1923. Serial No. 175,736. PUBLISHED APRIL 3, 1923.

169,863. DENTAL CEMENT, ETC. THE W. V-B. AMES COMPANY, Fremont, Ohio.

Filed February 8, 1923. Serial No. 175,696. PUBLISHED APRIL 3, 1923.

169,864. COTTON PIECE GOODS. PACIFIC MILLS, Lawrence and Boston, Mass.

Filed February 7, 1923. Serial No. 175,677. PUBLISHED APRIL 3, 1923.

169,865. NONMETALLIC PNEUMATIC TIRES AND INNER TUBES. GLOBE RUBBER TIRE MANUFACTURING CO., Trenton, N. J.

Filed February 5, 1923. Serial No. 175,589. PUBLISHED APRIL 3, 1923.

169,866. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. STEVENS & COMPANY, INC., Providence, R. I.

Filed January 27, 1923. Serial No. 175,224. PUBLISHED APRIL 10, 1923.

169,867. POMADES FOR THE HAIR. STANDARD LABORATORIES, INC., Los Angeles, Calif.

Filed January 27, 1923. Serial No. 175,222. PUBLISHED MARCH 13, 1923.

169,868. TRACTORS. CLARK TRACTOR COMPANY, Buchanan, Mich.

Filed January 26, 1923. Serial No. 175,135. PUBLISHED APRIL 10, 1923.

- 169,869. PETROLEUM GREASE. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed January 20, 1923. Serial No. 174,814. PUBLISHED MARCH 20, 1923.
- 169,870. BEAKER TONGS. EIMER & AMEND, New York, N. Y.
Filed January 17, 1923. Serial No. 174,691. PUBLISHED APRIL 10, 1923.
- 169,871. TOY VEHICLES. ADVANCE MANUFACTURING Co., St. Louis, Mo.
Filed January 17, 1923. Serial No. 174,684. PUBLISHED APRIL 3, 1923.
- 169,872. PAINTS AND PAINTERS' MATERIALS. BAKER PAINT & VARNISH Co., Jersey City, N. J.
Filed January 15, 1923. Serial No. 174,605. PUBLISHED APRIL 3, 1923.
- 169,873. PAINT ENAMELS. BAKER PAINT & VARNISH Co., Jersey City, N. J.
Filed January 15, 1923. Serial No. 174,604. PUBLISHED APRIL 3, 1923.
- 169,874. CERTAIN NAMED TOOLS, KNIVES, AND MACHINES. SMITH & HEMENWAY COMPANY, INC., New York, N. Y., and Irvington, N. J.
Filed December 10, 1919. Serial No. 125,806. PUBLISHED NOVEMBER 9 1920.
- 169,875. FURNITURE AND UPHOLSTERY. WILLIAM LAWRENCE & Co., LIMITED, Colwick, England.
Filed July 14, 1920. Serial No. 134,969. PUBLISHED APRIL 3, 1923.
- 169,876. MEDICINAL TABLETS FOR USE AS A GENERAL TONIC. GERHARD FRIEDRICH SCHMIDT, doing business as Fabrik Pharmacia M. Schmidt & Co., Munich, Germany.
Filed September 10, 1920. Serial No. 137,033. PUBLISHED MARCH 6, 1923.
- 169,877. A LIQUOR OR LIQUID PREPARATION CONTAINING MALT. COLEMAN AND COMPANY LIMITED, Norwich, England.
Filed December 11, 1920. Serial No. 140,917. PUBLISHED APRIL 3, 1923.
- 169,878. LOCKING DEVICE FOR AUTOMOBILES THAT FUNCTIONS BY ENGAGING THE FLY-WHEEL THROUGH THE TRANSMISSION. WRIGHT ACCESSORIES CORPORATION, Atlanta, Ga.
Filed October 5, 1920. Serial No. 137,984. PUBLISHED APRIL 12, 1921.
- 169,879. FACE POWDERS, FACE BLEACHES, AND LIQUID FACE ROUGE. CHARLES WEBB GODEFROY, St. Louis, Mo.
Filed January 27, 1921. Serial No. 142,840. PUBLISHED JUNE 14, 1921.
- 169,880. CERTAIN NAMED LINGERIE TRIMMING, FANCY BRAIDS, AND RICKRACK BRAID. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed April 22, 1921. Serial No. 146,534. PUBLISHED FEBRUARY 21, 1922.
- 169,881. NECKTIES, CRAVATS, AND SCARFS, HATS, AND CAPS. THE COLLEGIAN, Minneapolis, Minn.
Filed June 11, 1921. Serial No. 148,973. PUBLISHED APRIL 3, 1923.
- 169,882. TABLETS FOR CERTAIN NAMED DISEASES. SHIRO NAKAMURA, Los Angeles, Calif.
Filed October 3, 1921. Serial No. 153,686. PUBLISHED MARCH 13, 1923.
- 169,883. CERTAIN NAMED CHEMICAL AND PHARMACEUTICAL PREPARATIONS. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed October 3, 1921. Serial No. 153,696. PUBLISHED MARCH 6, 1923.
- 169,884. MEDICINAL OILS FOR USE AS AN INTESTINAL LUBRICANT. LISLE W. NEISWENDER, doing business as Creme-Petrol Company, Columbus, Ohio.
Filed October 28, 1921. Serial No. 154,700. PUBLISHED MARCH 13, 1923.
- 169,885. HAIR TONIC. DIXIE LABORATORIES, Atlanta, Ga.
Filed October 12, 1921. Serial No. 154,015. PUBLISHED NOVEMBER 28, 1922.
- 169,886. CERTAIN NAMED MEDICINAL PREPARATIONS. UNITED RETAIL CHEMISTS CORPORATION, New York, N. Y.
Filed October 29, 1921. Serial No. 154,773. PUBLISHED MARCH 13, 1923.
- 169,887. GREASELESS HAIR DRESSING AND TONIC. VIRGIL LEE, Toronto, Ontario, Canada.
Filed November 14, 1921. Serial No. 155,353. PUBLISHED MARCH 6, 1923.
- 169,888. PISTON PINS. LLOYD BISSELL, doing business as Star Piston Pin Co., Buffalo, N. Y.
Filed November 16, 1921. Serial No. 155,427. PUBLISHED MAY 16, 1922.
- 169,889. BITUMINOUS COAL. THE MAYNARD COAL COMPANY, Columbus, Ohio.
Filed January 20, 1922. Serial No. 158,191. PUBLISHED APRIL 3, 1923.
- 169,890. DRESS SHIELDS. EMPIRE SHIELD Co., New York, N. Y.
Filed February 14, 1922. Serial No. 159,308. PUBLISHED MARCH 27, 1923.
- 169,891. FURNITURE AND AUTOMOBILE POLISH. VILLER & PROST, Paris, France.
Filed February 16, 1922. Serial No. 159,449. PUBLISHED APRIL 3, 1923.
- 169,892. FLAVORINGS AND EXTRACTS USED FOR FOOD-FLAVORING PURPOSES ONLY. THE ARTHUR L. LEECH Co., Kennebunk, Me.
Filed March 18, 1922. Serial No. 160,889. PUBLISHED APRIL 3, 1923.
- 169,893. AN OUTFIT OF SURGICAL AND DENTAL APPLIANCES. WILL J. CAMERON, doing business as Cameron's Surgical Specialty Co., Chicago, Ill.
Filed March 20, 1922. Serial No. 160,928. PUBLISHED MARCH 27, 1923.
- 169,894. AN INSECTICIDE. THEODORE MEYER, Philadelphia, Pa.
Filed November 8, 1922. Serial No. 171,737. PUBLISHED MARCH 20, 1923.
- 169,895. AN INSECTICIDE. THEODORE MEYER, Philadelphia, Pa.
Filed November 8, 1922. Serial No. 171,736. PUBLISHED MARCH 20, 1923.
- 169,896. A PREPARATION FOR EXTERMINATING RODENTS AND VERMIN. THEODORE MEYER, Philadelphia, Pa.
Filed November 8, 1922. Serial No. 171,735. PUBLISHED MARCH 20, 1923.
- 169,897. AN ANT-POISONING COMPOUND. THEODORE MEYER, Philadelphia, Pa.
Filed November 8, 1922. Serial No. 171,734. PUBLISHED MARCH 20, 1923.
- 169,898. WOOL OIL. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed November 6, 1922. Serial No. 171,665. PUBLISHED MARCH 13, 1923.
- 169,899. A GALLSTONE MEDICINE. WILLIAM E. MCALLISTER, doing business as Dewma Company, South Bend, Ind.
Filed November 4, 1922. Serial No. 171,585. PUBLISHED MARCH 13, 1923.
- 169,900. WATER-SOFTENING COMPOUND. JOHN J. BUCZKOWSKI, doing business as Hoosier Cleanser Mfg. Co., South Bend, Ind.
Filed November 4, 1922. Serial No. 171,571. PUBLISHED FEBRUARY 27, 1923.

169,901. LINIMENT. IRA CONNOLLY, doing business as Empire Chemical Co., Hanna, W. Va.
Filed November 2, 1922. Serial No. 171,485. PUBLISHED MARCH 13, 1923.

169,902. ACCELERATORS, FILLERS, PIGMENTS, SOFTENERS, SOLVENTS, AND LIKE MATERIALS USED IN THE COMPOUNDING OF RUBBER ARTICLES. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio.
Filed November 1, 1922. Serial No. 171,469. PUBLISHED FEBRUARY 27, 1923.

169,903. LINIMENT. JAMES G. HARRIS, doing business as Harris Chemical Company, Duluth, Minn.
Filed October 30, 1922. Serial No. 171,358. PUBLISHED MARCH 6, 1923.

169,904. LOCKING DOOR HANDLES. BERSTED MANUFACTURING COMPANY, Chicago, Ill.
Filed October 23, 1922. Serial No. 171,060. PUBLISHED APRIL 3, 1923.

169,905. VOILE IN THE PIECE. MAX SCHWARZ TEXTILE CORPORATION, New York, N. Y.
Filed October 16, 1922. Serial No. 170,795. PUBLISHED MARCH 27, 1923.

169,906. PURE WHITE LEAD. THE EAGLE PITCHER LEAD COMPANY, Cincinnati, Ohio.
Filed October 16, 1922. Serial No. 170,757. PUBLISHED APRIL 3, 1923.

169,907. FACE LOTION. JESSE W. MAYO, Osage City, Kans.

Filed October 14, 1922. Serial No. 170,722. PUBLISHED MARCH 6, 1923.

169,908. SHAMPOO POWDER. THE EVAN WILLIAMS COMPANY LIMITED, London, England

Filed October 14, 1922. Serial No. 170,715. PUBLISHED MARCH 6, 1923.

169,909. TOILET PREPARATIONS. JEAN BOSSARD, doing business as Institut de Beaute Castiglione, Paris, France.

Filed October 12, 1922. Serial No. 170,618. PUBLISHED MARCH 6, 1923.

169,910. A PERFUMED ADDITION FOR THE BATH. THE C. S. WELCH COMPANY, New York, N. Y.

Filed October 11, 1922. Serial No. 170,599. PUBLISHED MARCH 13, 1923.

169,911. PALLIATIVE FOR VENEREAL DISEASES. DOMINICK ROMEO, Paterson, N. J.

Filed October 7, 1922. Serial No. 170,449. PUBLISHED MARCH 6, 1923.

169,912. INSECTICIDES. SAMUEL C. SLATTERY, Port Angeles, Wash.

Filed October 6, 1922. Serial No. 170,408. PUBLISHED MARCH 6, 1923.

169,913. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.

Filed October 6, 1922. Serial No. 170,377. PUBLISHED APRIL 3, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

169,914. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LEO R. McDEVITT, Pawtucket, R. I. Filed Sept. 12, 1921. Serial No. 152,854.

RIGHT OF WAY

Particular description of goods.—Visible Traffic Signals for Motor Vehicles.

Claims use since Jan. 1, 1921.

169,915. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ANTHONY COMPANY, Streator, Ill. Filed Nov. 18, 1921. Serial No. 155,538.



ANTHONY COMPANY

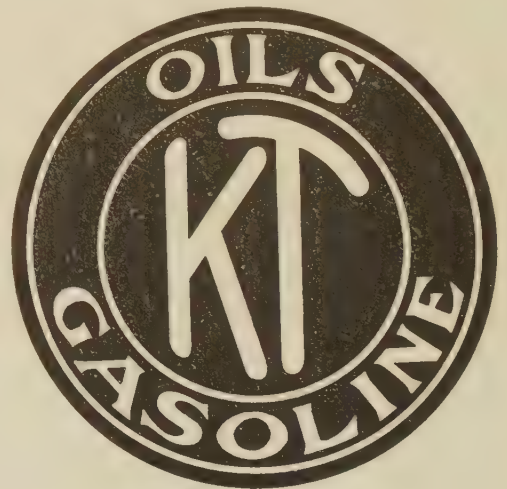


The lining on drawing has no significance and is not intended to denote color.

Particular description of goods.—Vehicle Bodies and Parts.

Claims use since Jan. 1, 1920.

169,916. (CLASS 15. OILS AND GREASES.) THE KANSAS-TEXAS PETROLEUM Co., Wichita, Kans. Filed Dec. 8, 1921. Serial No. 156,451.



Particular description of goods.—Lubricating and Heat, Light, and Power Producing Oils, and Gasoline.

Claims use since Nov. 1, 1921.

169,917. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SCOTT & FETZER COMPANY, Cleveland, Ohio. Filed Jan. 9, 1922. Serial No. 157,693.

EVER-READY

Particular description of goods.—Carpet Sweepers.
Claims use since Nov. 19, 1921.

169,918. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE FOX FURNACE COMPANY, Elyria, Ohio. Filed Jan. 28, 1922. Serial No. 158,570.

SUNBEAM

Particular description of goods.—Coal Furnaces.
Claims use since Nov. 8, 1920.

169,919. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HUNT-LASHER COMPANY, INC., Lynn, Mass. Filed Apr. 12, 1922. Serial No. 162,174.

SELF BLO

Particular description of goods.—Alcohol Torches.
Claims use since on or about Nov. 1, 1921.

169,920. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL TWIST DRILL & TOOL COMPANY, Detroit, Mich. Filed Apr. 29, 1922. Serial No. 163,104.

PARABOLIC

Particular description of goods.—Milling Cutters.
Claims use since Apr. 14, 1922.

169,921. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CHAS. CORY & SON, INC., New York, N. Y. Filed June 14, 1922. Serial No. 165,652.



Particular description of goods.—Ship's Mechanical Telegraph Transmitter-Indicator Equipment.
Claims use since January, 1919.

169,922. (CLASS 12. CONSTRUCTION MATERIALS.) THOMAS L. BENSON, doing business as Shreveport Chemical Company, Shreveport, La. Filed Nov. 2, 1922. Serial No. 171,483.



Particular description of goods.—Material Used to Hasten the Setting and Lower the Freezing Point of Cement.

Claims use since May 1, 1922.

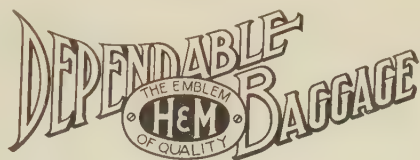
169,923. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE FEDERAL CARTRIDGE CORPORATION, Minneapolis, Minn. Filed Nov. 16, 1922. Serial No. 172,087.

HI-POWER

Particular description of goods.—Shotgun Shells and Cartridges.

Claims use since on or about Sept. 1, 1918.

169,924. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HIRSCHFELDER & MEANEY, San Francisco, Calif. Filed Dec. 19, 1922. Serial No. 173,568.



Particular description of goods.—Baggage—Namely, Trunks; Suit, Brief, and Sample Cases; Hand and Traveling Bags, Grips, Automobile Trunks, and Suitcases.

Claims use since June, 1920.

169,925. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) J. A. SEXAUER MFG. CO. INC., New York, N. Y. Filed Dec. 30, 1922. Serial No. 174,035.

MAKE THE TIGHT LINE STAY

Particular description of goods.—Rubber Double-Seat Compression and Self-Closing Cushions; Rubber, Leather, Fiber, and All Nonmetallic Washers; All Packings, Rubber Fuller Balls, Rubber Ball-Cock Cushions and Washers, Leather Ball-Cock Cups, All Gaskets, Leather Hydrant Sets, Rubber Plunger Rings, Rubber Elbows and Straight Connections with and without Fixtures, Rubber Tubing, and Pump Leathers.

Claims use for not less than one year.

169,926. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BROADUS J. HEAD, doing business as American Plant Company, Alma, Ga. Filed Feb. 27, 1923. Serial No. 176,679.

AMERICAN PLANT CO.

Particular description of goods.—Potato Plants, Cabbage Plants, Tomato Plants, Strawberry Plants, Asparagus Plants, and Sweet Potatoes.

Claims use since Feb. 1, 1921.

169,927. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CECIL HOWARD LAMBERT, Buffalo, N. Y. Filed Feb. 5, 1923. Serial No. 175,561.

"SURE GRIP"

Particular description of goods.—Adjustable Device for Opening and Closing Fruit Jars and Containers.

Claims use since Aug. 29, 1916.

169,928. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TUXEDO SHIRT CO., INC., New York, N. Y. Filed Feb. 28, 1923. Serial No. 176,770.

Duro

Particular description of goods.—Silk Piece Goods.

Claims use since Jan. 1, 1922.

169,929. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIANAPOLIS ABATTOIR COMPANY, Indianapolis, Ind. Filed Mar. 13, 1923. Serial No. 177,382.

"INDIANAPOLIS"

Particular description of goods.—Ham, Shoulder, Sausage, Bacon, Tongues, Dried Beef, Jowls, Butts, and Lard.

Claims use since 1902.

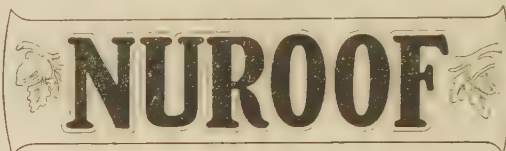
169,930. (CLASS 25. LOCKS AND SAFES.) CHICAGO THRIFT COMPANY, Chicago, Ill. Filed Apr. 4, 1923. Serial No. 178,552.

MONEY BARREL

Particular description of goods.—Portable Banks.

Claims use since July 1, 1921.

169,931. (CLASS 12. CONSTRUCTION MATERIALS.) THE ACORN REFINING COMPANY, Cleveland, Ohio. Filed Apr. 6, 1923. Serial No. 178,653.



Particular description of goods.—Waterproofing Compound for Building Roofs.

Claims use since January, 1910.

169,932. (CLASS 2. RECEPTACLES.) ANDREW A. KRAMER, doing business as Columbian Steel Tank Company, Kansas City, Mo. Filed Apr. 13, 1923. Serial No. 179,106.

RED BOTTOM

Particular description of goods.—Sheet-Metal Tanks.

Claims use since Mar. 1, 1922.

169,933. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 23, 1923. Serial No. 179,525.

PHOENICIAN CLOTH

Particular description of goods.—Sateen in the Piece.

Claims use since Mar. 1, 1920.

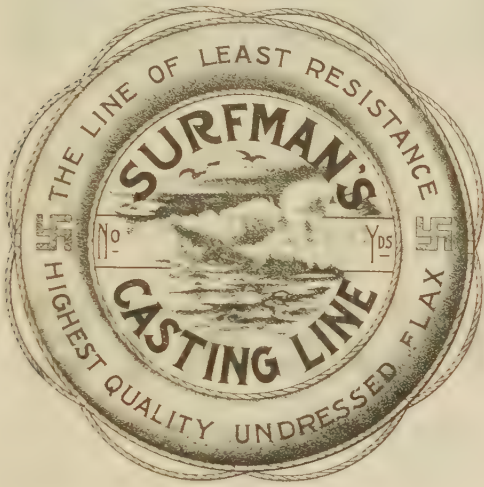
169,934. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE OWL DRUG COMPANY, San Francisco, Calif. Filed Mar. 20, 1922. Serial No. 160,966.

Make-Nu

Particular description of goods.—Canvas-Shoe Dressing and Cleaner.

Claims use since about May 1, 1917.

169,935. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed May 12, 1922. Serial No. 163,726.



Particular description of goods.—Fishing Lines.
Claims use since 1904.

169,936. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LUCKEL, KING & CAKE SOAP COMPANY, Portland, Oreg. Filed July 3, 1922. Serial No. 166,458.

STEAM
REFINED

Particular description of goods.—Laundry Soap.
Claims use since about Jan. 1, 1909.

169,937. (CLASS 39. CLOTHING.) SANBORN WEATHERWEAR COAT CO. INC., New York, N. Y. Filed July 28, 1922. Serial No. 167,537.

Sanborn's

Particular description of goods.—Coats, Capes, Mantles, and Raincoats Made of Cloth, Rubberized or Cravenette Material.

Claims use since Jan. 1, 1912.

169,938. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York. Filed Dec. 27, 1922. Serial No. 173,879.



Particular description of goods.—Perfume, Toilet Water, Rouges, Face Powder, Talcum Powder, Brillantine, Sachet Powder, and Dentifrices.

Claims use since Dec. 1, 1912.

169,939. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TUXEDO SHIRT CO., INC., New York, N. Y. Filed Feb. 28, 1923. Serial No. 176,771.

Premier

Particular description of goods.—Silk Piece Goods and Crêpe Silk Piece Goods.

Claims use since Jan. 1, 1922.

169,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. PERCEVAL, New York, N. Y. Filed Mar. 3, 1923. Serial No. 176,915.

MILLERAND

Particular description of goods.—Canned Soups, Truffles, Cherries, and Turtle Meat.

Claims use since about 1910.

169,941. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PINE BALM COMPANY, Shady Dale, Ga. Filed Mar. 7, 1923. Serial No. 177,105.

PINE BALM

Particular description of goods.—An Antiseptic Oil for All Pains, Old or New Sores, Cuts, Burns, Bruises, Sprains, Chapped Lips, Rheumatism, Backache, Influenza, Colds, Asthma, Pneumonia, Coughs, Suppressed Menstruation, Indigestion, Gallstone, Kidney Trouble, Piles, Toothache, Headache, Sore Throat, and Cramps.

Claims use since Mar. 1, 1922.

169,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT W. KNOX, Los Angeles, Calif. Filed Mar. 10, 1923. Serial No. 177,345.

Citrus Salts

Particular description of goods.—Laxative Powders.
Claims use since on or about Jan. 1, 1918.

169,943. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. CHESTER HUNT, Orange, Mass. Filed Mar. 15, 1923. Serial No. 177,490.

Fernwood

Particular description of goods.—Candy.
Claims use since Dec. 15, 1921.

169,944. (CLASS 15. OILS AND GREASES.) DEALERS SUPPLY COMPANY, Indianapolis, Ind. Filed May 7, 1923. Serial No. 180,274.

Long Life

Particular description of goods.—Motor Oil.
Claims use since Dec. 10, 1920.

169,945. (CLASS 15. OILS AND GREASES.) SHELL COMPANY OF CALIFORNIA, San Francisco, Calif. Filed May 1, 1923. Serial No. 180,029.

PUENTE

Particular description of goods.—Gasoline.
Claims use since Jan. 1, 1913.

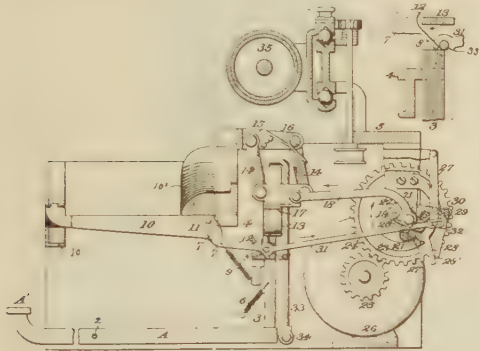
TRADE-MARK REGISTRATIONS RENEWED.

19,480. POCKET CUTLERY AND RAZORS. Registered May 12, 1891. THE CANTON CUTLERY Co. Renewed May 12, 1921, to The Canton Cutlery Company, Canton, Ohio, a Corporation of Ohio, assignee.

REISSUES.

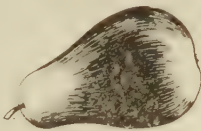
JULY 3, 1923.

15,640. POWER TYPEWRITER. MANSFIELD C. CRAWLEY, Rutherford, N. J., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 25, 1917. Serial No. 193,212. Original application filed Oct. 28, 1911, Serial No. 657,311. Divided and application filed Dec. 17, 1912, Serial No. 737,225. Original No. 1,156,061, dated Oct. 12, 1915. 51 Claims. (Cl. 197—17.)



1. The combination with a series of type bars and a bank of key levers, of a reciprocating bar for actuating the type bars, spring means for advancing the bar, a rotary motor, and means operable by said motor to retract the bar.

15,641. ARTIFICIAL FRUIT AND METHOD OF PRODUCING SAME. JAMES H. EMERY, Inwood Park, N. Y. Filed May 23, 1923. Serial No. 641,013. Original No. 1,436,024, dated Nov. 21, 1922, Serial No. 439,584, filed Jan. 24, 1921. 15 Claims. (Cl. 41—13.)

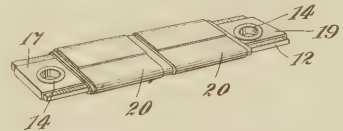


1. The method of producing a hollow imitation of an object which consists of charging a multiple part mold of the object with a temporarily-fluid composition, next imparting a gyratory movement to the mold until the composition has solidified, next removing the resultant casting from the mold, then applying color to the surface of the casting and thereafter dipping the colored casting in temporarily-fluid transparent wax whereby a thin protective coating adheres to the surface of the casting, and then abrading the protective coating with powdered pumice.

15,642. ELECTRIC CONDENSER. CHARLES F. SMITH and WILLIAM H. SMITH, Brooklyn, N. Y. Filed Oct. 13, 1922. Serial No. 594,391. Original No. 1,395,931, dated Nov. 1, 1921, Serial No. 382,090, filed May 17, 1920. 15 Claims. (Cl. 250—11.)

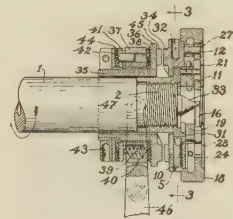
7. An electric condenser comprising a wrapping of metal foils and of flexible dielectric interposed between

said foils, a relatively stiff body the ends of which project beyond said wrapping, conducting leads which extend from said foils adjacent to said ends of the body, and which are folded over said ends so that each



lead will have layers on opposite sides of the respective body end, and securing means extending through said body ends and through both layers of the respective folded leads.

15,643. LATHE CHUCK. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 6, 1923. Serial No. 630,410. Original No. 1,446,075, dated Feb. 20, 1923, Serial No. 473,373, filed May 28, 1921. 64 Claims. (Cl. 82—40.)



1. A work driving chuck comprising the combination of a plurality of work engaging jaws, an element adapted to engage the end surfaces of the jaws so that they may be oscillated substantially about such surfaces as a fulcrum, a driving element, and means operatively connecting the driving element to the jaws to drive the work.

30. A work driving chuck comprising the combination of a driving member, a plurality of work engaging jaws, means mounted on the driving member and operatively connected to the jaws, means for setting the jaws in any one of a plurality of definite positions radially of the chuck whereby to adapt the same to operate on work pieces of different diameters, means normally closing the jaws, means for opening the jaws against the action of the last mentioned means during the rotation of the chuck, and means holding the jaws entered relative to the chuck when the jaws are in either a closed or an open position but permitting the jaws to have a slight radial floating action when the jaws are in an intermediate position.

50. A work driving chuck comprising the combination of an outer element, an inner element therein, a plurality of work engaging jaws, the jaws being operatively connected to both elements, means for supporting and rotating the chuck, spring means normally operative to rotate the outer element in the forward direction relative to the inner element and thereby close the jaws inwardly to the work, means for retarding the rotation of the outer element to open the jaws, and means whereby the jaws may be adjusted radially for driving different sized work.

DESIGNS.

JULY 3, 1923.

62,598. WRIST-WATCH CASING. GUSTAVE BASTHEIM, Pittsburgh, Pa. Filed Feb. 16, 1922. Serial No. 735. Term of patent $3\frac{1}{2}$ years.



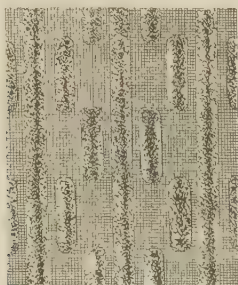
The ornamental design for a wrist watch casing, as shown.

62,599. SHOE HEEL. FRANK BERENSTEIN, Chelsea, Mass., assignor to Panther Rubber Manufacturing Company, Stoughton, Mass., a Corporation of Massachusetts. Filed Dec. 23, 1922. Serial No. 4,701. Term of patent 14 years.



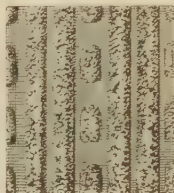
The ornamental design for a shoe heel as shown.

62,600. TEXTILE FABRIC. JOHN S. BOYD and THOMAS F. BOYD, Williamstown, Mass., assignors to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Dec. 12, 1922. Serial No. 4,571. Term of patent 14 years.



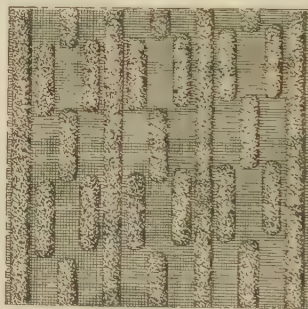
The ornamental design for a textile fabric, as shown.

62,601. TEXTILE FABRIC. JOHN S. BOYD and THOMAS F. BOYD, Williamstown, Mass., assignors to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Dec. 12, 1922. Serial No. 4,573. Term of patent 14 years.



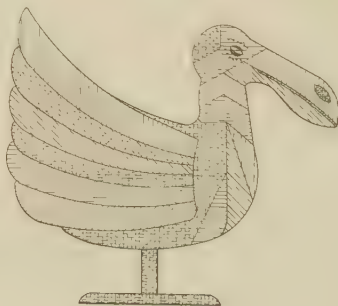
The ornamental design for a textile fabric, as shown.

62,602. TEXTILE FABRIC. JOHN S. BOYD and THOMAS F. BOYD, Williamstown, Mass., assignors to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Jan. 9, 1923. Serial No. 4,842. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

62,603. TOY. HARRY P. BRAISTED, Woodmont, Conn., assignor to The John Hugo Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Jan. 13, 1923. Serial No. 4,880. Term of patent 7 years.



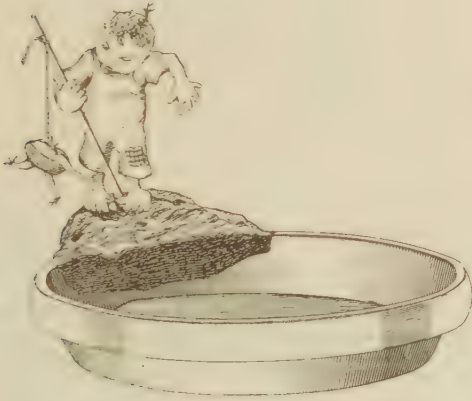
The ornamental design for a toy, substantially as shown and described.

- 62,604. FOOT REST. JULIA WATSON DE SHIELDS, Riverdale-on-Hudson, N. Y. Filed Aug. 19, 1922. Serial No. 3,460. Term of patent 7 years.



The ornamental design for a foot rest as shown.

- 62,605. RECEPTACLE FOR FLOWERS. CARRIE D. DUDLEY, Chicago, Ill. Filed Aug. 31, 1922. Serial No. 3,602. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a receptacle for flowers, as shown.

- 62,606. TEXTILE FABRIC. EMILE ERICSON, Pelham, and ROGER WEISS, New York, N. Y., assignors to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,658. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric, substantially as shown.

312 O. G.—4

- 62,607. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,683. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric, substantially as shown.

- 62,608. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,684. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric, substantially as shown.

- 62,609. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,686. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric, substantially as shown.

62,610. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,691. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a textile fabric, substantially as shown.

62,611. HARD CANDY CONFECTION. ALAN HOCHSTRASER, Denver, Colo. Filed Jan. 8, 1923. Serial No. 4,836. Term of patent 7 years.



The ornamental design for hard candy confection as shown.

62,612. MESH BAG. JOHN FRANCES KILLION, Norfolk, Mass., assignor to Whiting Chain Company, a Corporation of Massachusetts. Filed Aug. 29, 1922. Serial No. 3,591. Term of patent 7 years.



The ornamental design for a mesh bag as shown.

62,613. PEN OR PENCIL CASE. FRANK J. KRISTOFER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Jan. 30, 1922. Serial No. 447. Term of patent 14 years.



The ornamental design for a pen or pencil case as shown.

62,614. PEN OR PENCIL CASE. FRANK J. KRISTOFER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Jan. 30, 1922. Serial No. 448. Term of patent 14 years.



The ornamental design for a pen or pencil case as shown.

- 62,615. PEN OR PENCIL CASE. FRANK J. KRISTOFEK, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Jan. 30, 1922. Serial No. 449. Term of patent 14 years.



The ornamental design for a pen or pencil case as shown.

- 62,616. NAME PLATE FOR GASOLINE-DISPENSING APPARATUS. WILLIAM CLARE MACMILLEN, Rochester, Pa. Filed Jan. 4, 1922. Serial No. 35. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a name plate for gasoline dispensing apparatus, as shown.

- 62,617. TEXTILE FABRIC. JAMES W. MCCREEDY, New York, N. Y., assignor to Max Kaufmann & Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 20, 1923. Serial No. 4,955. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

- 62,618. TEXTILE FABRIC. JAMES W. MCCREEDY, New York, N. Y., assignor to Max Kaufmann & Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 20, 1923. Serial No. 4,956. Term of patent 14 years.



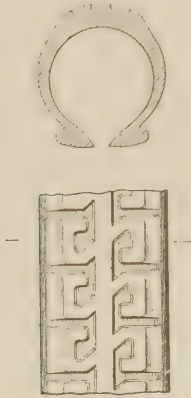
The ornamental design for a textile fabric, as shown.

- 62,619. TEXTILE FABRIC. JAMES W. MCCREEDY, New York, N. Y., assignor to Max Kaufmann & Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 20, 1923. Serial No. 4,957. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

62,620. TIRE. WALTER N. RAACH and CLINTON E. SHUTLIFF, Greenville Borough, Pa., assignors to The Shenango Tire & Rubber Company, Greenville, Pa., a Corporation of Delaware. Filed Aug. 13, 1920. Serial No. 403,403. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a tire, substantially as shown.

62,621. MESH BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed July 14, 1922. Serial No. 3,082. Term of patent 7 years.



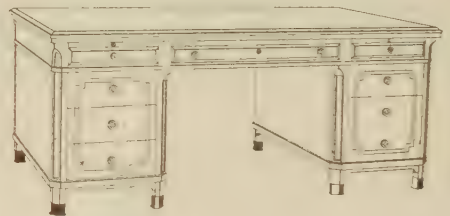
The ornamental design for a mesh bag as shown.

62,622. MESH BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed July 28, 1922. Serial No. 3,228. Term of patent 7 years.



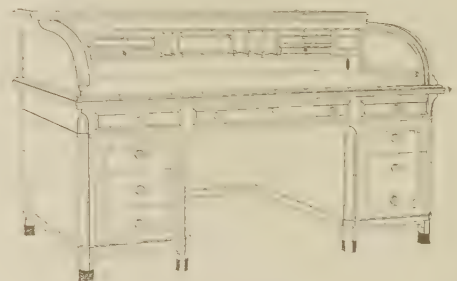
The ornamental design for a mesh bag as shown.

62,623. DESK. ALFRED H. STRINGE, Chicago, Ill., assignor to Commercial Furniture Company, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 369. Term of patent 7 years.



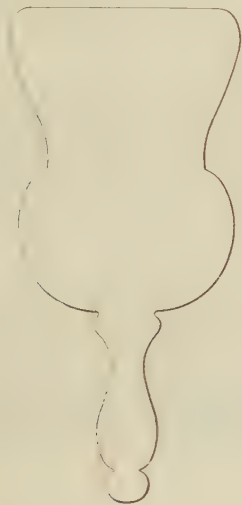
The ornamental design for a desk, as shown.

62,624. DESK. ALFRED H. STRINGE, Chicago, Ill., assignor to Commercial Furniture Company, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 370. Term of patent 7 years.



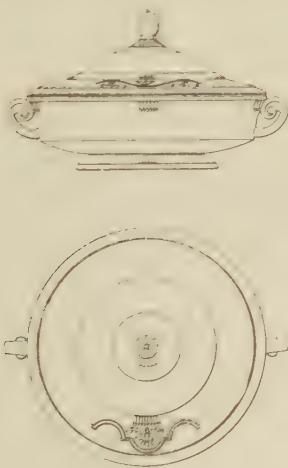
The ornamental design for a desk, as shown.

62,625. FIRE FAN. RICHARD CLIPSTON STURGIS, Boston, Mass. Filed Apr. 5, 1922. Serial No. 1,548. Term of patent 14 years.



The ornamental design for a fire fan, as shown.

62,626. DISH. JULES H. VENON, New York, N. Y. Filed Oct. 31, 1922. Serial No. 4,174. Term of patent 7 years.



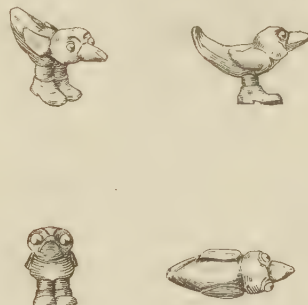
The ornamental design for a dish as shown.

62,627. CUP. JULES H. VENON, New York, N. Y. Filed Oct. 31, 1922. Serial No. 4,175. Term of patent 7 years.



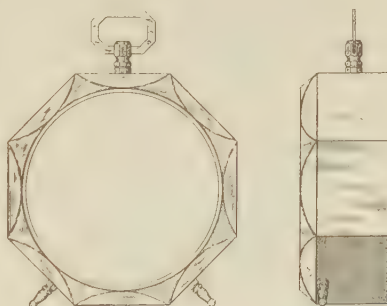
The ornamental design for a cup, as shown.

62,628. WATCH CHARM, PENDANT, OR SIMILAR ARTICLE. FRANK R. WENTWORTH, Russell, Kans. Filed Oct. 18, 1921. Serial No. 508,624. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a watch charm, pendant, or similar article as shown.

62,629. CLOCK CASE. RICHARD HENRY WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Mar. 7, 1923. Serial No. 5,388. Term of patent 14 years.

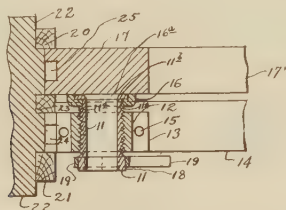


The ornamental design for a clock-case as shown.

PATENTS

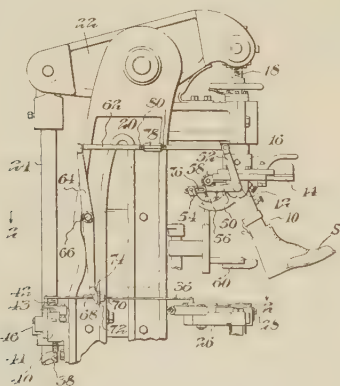
GRANTED JULY 3, 1923.

1,460,361. MEANS FOR SECURING WINDOW SASHES IN POSITION. ISRAEL BENJAMINS, Brooklyn, N. Y. Filed Mar. 15, 1921. Serial No. 452,457. 3 Claims. (Cl. 292—155.)



1. In a means for securing window sashes in position a tubular member terminating at the inner end thereof in a prism, a thread of a suitable pitch on the exterior of said member, a nut adapted to fit said thread, and to be secured to the inner sash a handle having therein a prismatic opening whereby it may be detachably connected to said member and adapted to turn the same through part of a revolution and to cooperate with said thread and nut to advance said member, by its motion through a part of a revolution, and to cause it to bear against the outer sash.

1,460,362. ACTUATING MECHANISM FOR WORK SUPPORTS. JOHN M. BENJAMIN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 11, 1919. Serial No. 281,939. 27 Claims. (Cl. 1—32.)

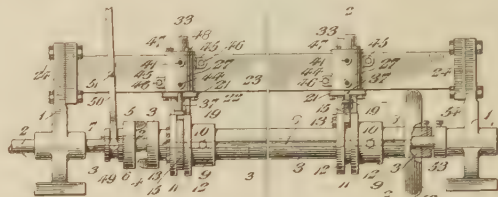


1. A machine of the class described comprising supports for the work movable in different directions, and means arranged to move one of the supports from another support in the movement of the latter and in one direction only.

1,460,363. VALVE MECHANISM FOR GLASS MACHINES. ALBERT R. BETHEL, Minotola, N. J., assignor to Illinois Glass Company, Bridgeton, N. J., a Corporation of Illinois. Filed Feb. 4, 1921. Serial No. 442,347. 2 Claims. (Cl. 137—144.)

2. A valve attachment comprising standards, a driven shaft journaled in said standards, an intake manifold for

live motive fluid carried by said standards, a clutch sleeve loosely mounted on said shaft, a plurality of cam supports adjustable on said clutch sleeve, cam members circumferentially adjustable on said cam support, a man-



ually actuated clutch collar carried by said shaft to control the rotation of said clutch sleeve, and a plurality of independent valve mechanisms in communication with said manifold and carried thereby and operatively connected with said cam members to be controlled by them.

1,460,364. TRAIN-PIPE CONNECTOR. HENRY F. BICKEL, Plainfield, N. J., assignor to The New York Air Brake Company, a Corporation of New York. Filed Feb. 2, 1921. Serial No. 441,861. 4 Claims. (Cl. 285—58.)

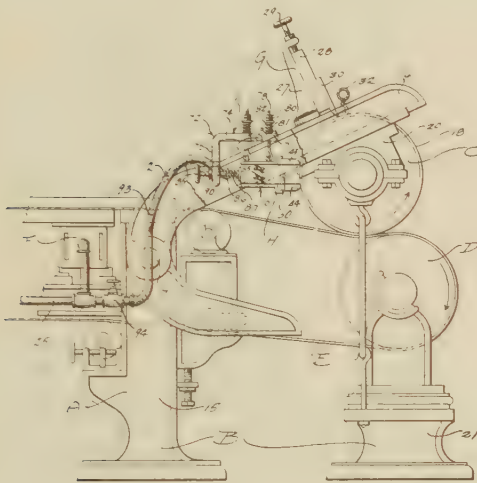


1. The combination of a train-pipe; a hose connected thereto at one of its ends; a train-pipe hose coupling connected to the other end of said hose; an automatic connector head; and swiveled clamping means on said head for releasably connecting said train pipe hose coupling thereto to establish communication between said hose head and pipe.

1,460,365. APPARATUS FOR CONDITIONING COUCH ROLLS. HUGH BOYLE, Brooklyn, N. Y. Filed May 6, 1922. Serial No. 558,910. 18 Claims. (Cl. 92—47.)

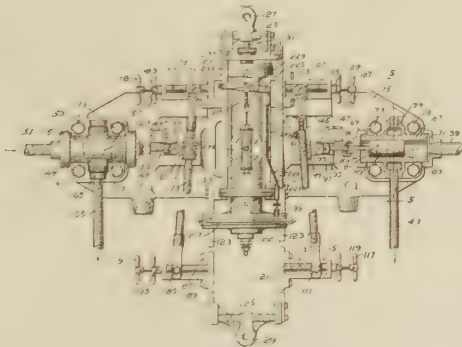
1. In a paper making machine, the combination with a couch roll having yieldable paper contacting material

thereon, of suction means exteriorly acting on the paper contacting surface of said material.



17. In a couch roll conditioning apparatus, the combination of liquid spray means for the pulp sheet contacting surface of said couch roll, scraping means for said surface, and pneumatic drying means for said surface.

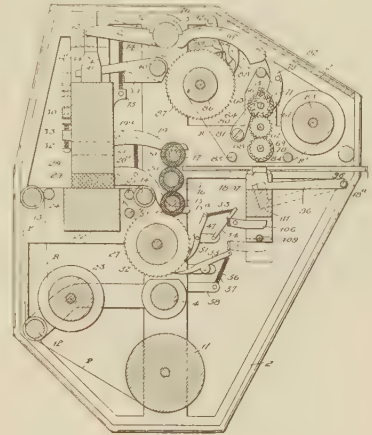
1,460,366. APPARATUS FOR REGULATING COMBUSTION. FRANCIS H. BROWN, Glen Olden, Pa., assignor to Petroleum Heat and Power Company, Boston, Mass., a Corporation of Delaware. Filed Mar. 8, 1920. Serial No. 364,048. 8 Claims. (Cl. 238—8.)



1. In a regulating apparatus, the combination of a burner, means to supply oil and steam thereto including valves, a support for said valves, a sliding frame upon said support, pressure controlled means for imparting sliding movement to said frame, bars adjustably mounted upon said frame one for connection with the oil valve and the other for connection with the steam valve, and means for adjusting said bars to different inclination upon the frame to vary the movement imparted to the valves upon sliding movement of the frame.

8. In a regulating apparatus, the combination of a burner, means to supply oil and steam thereto including valves, a sliding frame, an operating connection between the frame and oil valve, an operating connection between the frame and steam valve, a pressure controlled motor for imparting movement to the frame to actuate the valves, and means for indicating the adjustment of the valves comprising imitation valves actuated by the valve adjusting means to reproduce the valve adjustment.

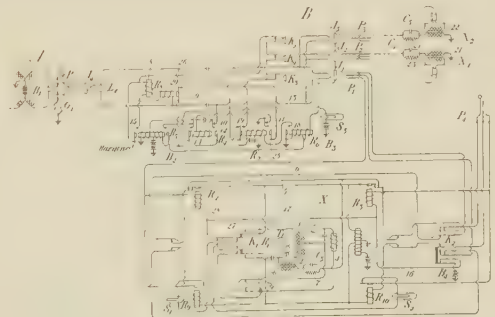
1,460,367. PUMP-CONTROLLED RECORDING APPARATUS. WESLEY T. COLLINS and CLAUDE B. ADAMS, Colorado Springs, Colo., assignors to The A. C. Gas Register Company, Colorado Springs, Colo., a Corporation of Colorado. Filed Jan. 19, 1917. Serial No. 143,340. 16 Claims. (Cl. 234—34.)



1. In a pump-controlled recording apparatus, the combination of a printing mechanism, mechanism for feeding a strip of material to said printing mechanism, and a main operating element adapted to be operatively connected with a pump and having operating connections with the printing and strip feeding mechanism, said operating element adapted, when the pump is operated to discharge a predetermined unit quantity of liquid, to operate the printing and strip feeding mechanisms, causing thereby feeding of the strip of material and printing of the same each time a measured unit quantity of liquid is discharged.

14. In a recording fluid dispensing apparatus the combination with the record strip thereof, of means for printing quantity denoting marks upon said strip only during the discharge of fluid therefrom.

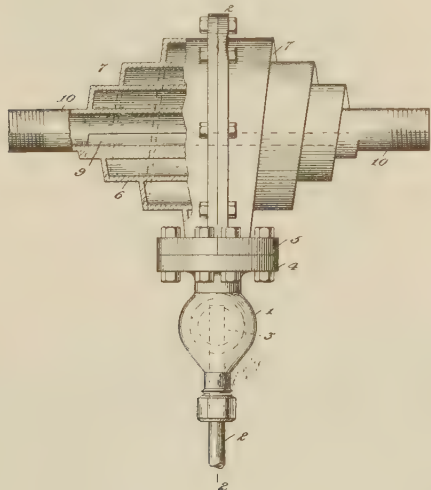
1,460,368. ELECTRIC SIGNALING SYSTEM. LEO H. DARROW, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 30, 1920. Serial No. 355,173. 2 Claims. (Cl. 179—49.)



1. In a signaling system, the combination with a line circuit terminating in a plurality of multicontact jacks, of a marginal relay having one winding effectively connected with the sleeve contacts of the jacks at one end of said line circuit, a cord circuit having a supervisory signal and a source of current also connected with the sleeve contacts of the said jacks to which the said marginal relay is connected, whereby the said relay may be

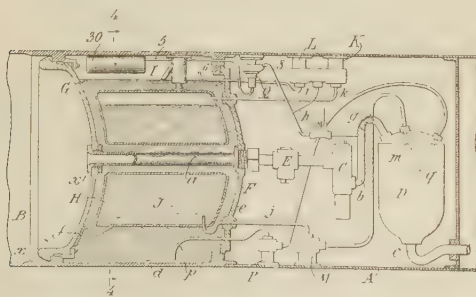
locked up, a plurality of other cord circuits having busy-test branches connected with the tip conductors thereof, the electrical constants of which branches are so proportioned as to prevent the release of the said marginal relay when a predetermined number of busy tests are simultaneously made.

1,460,369. MIXING CHAMBER FOR FLUID-FUEL BURNERS. GEORGES A. DE GUIRE, Montreal, Quebec, Canada. Filed Sept. 21, 1922. Serial No. 589,613. 9 Claims. (Cl. 48—180.)



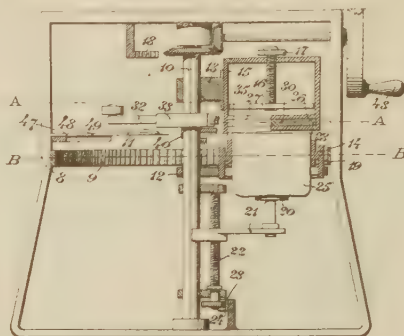
6. A gas mixing chamber comprising two elements each coiled concentrically and spirally upon itself to produce concentric chambers of the same radial depth throughout and each a continuation of the preceding one, those of one element being extended in an opposite direction longitudinally relatively to those of the other, means for connecting said elements so that the coils of one become continuations of the coils of the other, means for delivering fluid fuel to the outer coils of said chambers and means for delivering fluid fuel from the innermost coils thereof.

1,460,370. AIR-LEAK VENT FOR TORPEDOES. WILLIAM DIETER, Newark, N. J. Filed Aug. 4, 1922. Serial No. 579,667. 7 Claims. (Cl. 114—20.)



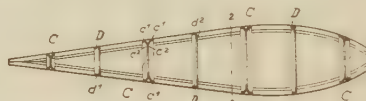
1. In a torpedo having a liquid compartment and means for venting gaseous pressure therefrom having a vent outlet at the normally upper part of such compartment, the combination therewith of means for excluding liquid from said outlet in case of such rolling of the torpedo as would submerge such outlet, comprising a chamber communicating with said outlet having restricted communication with the compartment.

1,460,371. MACHINE FOR PREPARING BUTTERED BREAD. LAUE FREDERIK JOHANNES DIXEN, Frederiksberg, near Copenhagen, Denmark. Filed May 27, 1920. Serial No. 384,674. 9 Claims. (Cl. 91—14.)



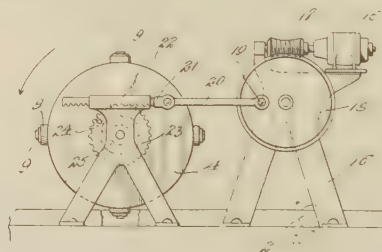
1. A machine for slicing and buttering bread, comprising a butter container, a butter discharging mechanism in the container, a bread holder beneath the container, means for advancing bread in the holder, a stationary slicing knife, and means for rotating the bread holder along the knife and simultaneously actuating the butter discharging mechanism.

1,460,372. HOLLOW SHEET-METAL STRUCTURE. CLAUDIUS DORNIER, Friedrichshafen, Germany, assignor of one-half to Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,541. 9 Claims. (Cl. 244—30.)



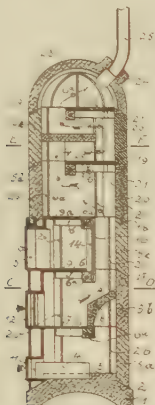
3. In a hollow metallic structure in combination, a sheet metal mantle and a plurality of longitudinal trusses formed of open channelled rods and annular cross-frames of substantially angular section connected with said mantle to form a plurality of coherent closed hollow sections.

1,460,373. FEEDING MECHANISM FOR TIN-PLATE-LITHOGRAPHING MACHINES. CHARLES FINIGAN, Gibsonia, Pa. Filed May 27, 1922. Serial No. 564,258. 3 Claims. (Cl. 271—36.)



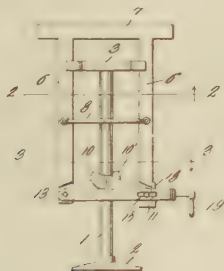
1. In feeding mechanism, the combination with a magazine and a stack of tin plates therein, of a drum rotatably mounted above said magazine, magnets radiating from said drum and spaced apart equal distances around the drum and adapted to be disposed above the plates successively in the rotation of the drum, means for rotating the drum, means for energizing each magnet as it reaches the position above the plates, so that the topmost plate may be drawn to the magnet and removed from the magazine in the rotation of the drum, said drum rotating means comprising a motor and connections between said motor and drum whereby the drum may be rotated in a step by step manner.

1,460,374. STOVE. HANS FUNKE, Zittau, Germany.
Filed Nov. 13, 1922. Serial No. 600,712. 4 Claims.
(Cl. 126—58.)



1. A stove for rooms and the like, comprising members, forming each an entire layer, having a horizontal wall and being adapted to be placed one upon the other or others and of which at least three have a lateral recess affording access to the ash-space, the fire-space, and at least one warming space, in combination with a water basin arranged in the top stove-member; a covering plate for said basin, said plate forming the bottom of a warming space located above the basin in an upper stove member, as set forth.

1,460,375. SELF-LOCKING SHORE. ARTHUR A. GRONROS, Pontiac, Mich. Filed Nov. 12, 1920. Serial No. 423,529. 1 Claim. (Cl. 248—3.)

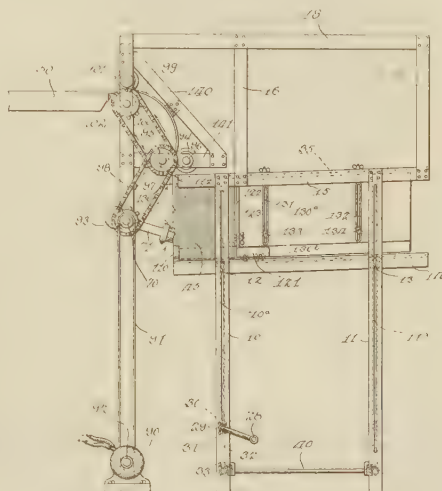


In an adjustable shore including a column, a base secured to the lower end of the column, a top member slidably associated with the column toward and away from the base including a head block and depending hangers, and a grip means associated with the lower ends of the hangers for engaging the column, means for releasing the grip members including a U-shaped band having parallel legs pivotally connected to one hanger and a curved connecting portion embracing the other hanger, a slot and pin connection between said legs and the last mentioned hanger, and an adjustable member carried by the curved connecting portion for engaging the last mentioned hanger.

1,460,376. PAPER-SHEET-FEEDING MACHINE. FRANK R. HARTMAN, Chicago, Ill. Filed Sept. 30, 1920. Serial No. 413,859. 4 Claims. (Cl. 271—39.)

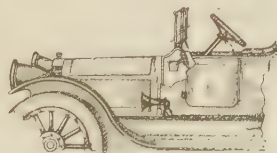
1. The combination in a paper feeding machine of a magazine adapted to receive a plurality of sheets in an approximately vertical position, the said mechanism comprising a fixed top member, a bottom member held

in spaced relation and approximately parallel to said top member, means for adjusting the relation of said bottom member to said top member, a paper guide at the forward or delivery end of said magazine, a paper wiping or feeding device consisting of a resilient cushion carried at the free end of an arm moving at an angle to the plane of the foremost sheet in the magazine, a pair of impinging rolls located immediately above the sheet guiding means in the magazine whereby to receive a single sheet elevated by the feeding means from



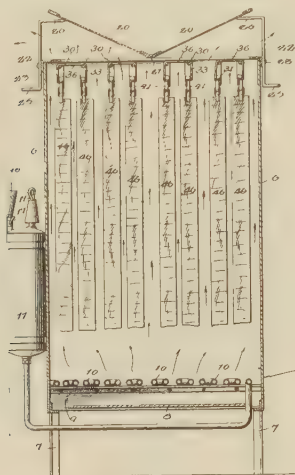
the delivery end of the magazine, a curved guide adjacent the said impinging feed rolls adapted to receive the forward edge of a sheet fed therefrom and to deflect the same from a substantially vertical to a substantially horizontal position, a second pair of impinging feed rolls adapted to receive the forward edge of a sheet from the delivery end of said curved guide member and to feed the same therefrom in a substantially horizontal position, and means for operating said impinging rolls and said paper feeding or wiping device in substantial synchronism.

1,460,377. AUTOMOBILE ALARM SYSTEM. HARRY C. HAY, Newport, Ky., assignor of one-half to William C. Buten, Newport, Ky. Filed Feb 3, 1922. Serial No. 533,973. 16 Claims. (Cl. 116—33.)



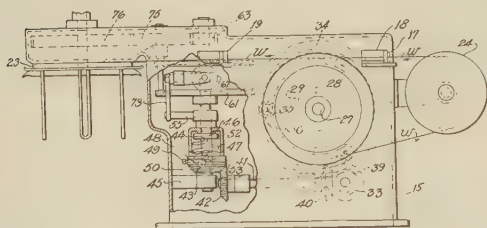
2. In an automobile alarm signal, a bell housing having perforations therein, a guard plate secured therein in spaced apart relation from the walls of said bell housing, a cover plate having sound perforations therein and a guard plate secured to said cover plate in spaced apart relation therefrom and from the walls of said housing, a bell within said housing, a lock casing having a recess therein, a slidable lock mounted therein and means connected to said lock and to said bell respectively, whereby said bell is held in non-alarm sounding position when the lock bolt is disengaged and in sound alarm position when the bolt is in locked engagement with said recess.

1,460,378. FILM DRIER. JOHN W. HICKS, Madison, Wis., and WALTER W. HICKS, Washington, D. C. Filed Nov. 9, 1921. Serial No. 514,002. 11 Claims. (Cl. 34—40.)



1. A drier for films comprising a casing, rods arranged therein, and racks slidable on said rods and having means for gripping articles, said article gripping means being slidably supported by said rods.

1,460,379. CONTINUOUS WIRE-DRAWING MACHINE. JAMES A. HORTON, Worcester, Mass. Filed Oct. 25, 1921. Serial No. 510,291. 16 Claims. (Cl. 205—14.)

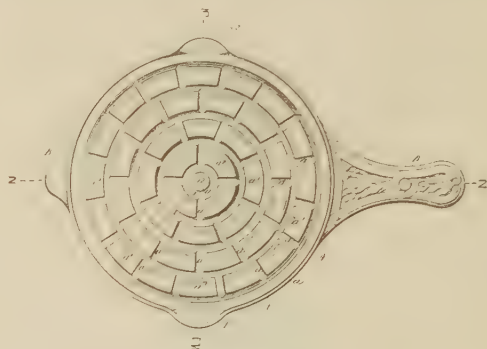


1. In a continuous wire drawing machine, a source of power, two dies arranged in series, two drums each of which is arranged to draw wire through one of said dies, differential gearing connected with said two drums and the source of power, respectively, a third die, a third drum to draw the wire through said third die, a yielding connection between the source of power and said third drum, and means operated in consequence of the relative movement of said yielding connection for regulating the speed of said third drum, whereby to prevent slip of the wire on the first two drums.

1,460,380. FRYING PAN. HIRAM C. HUGHES, Boston, Mass. Filed Feb. 20, 1922. Serial No. 537,775. 1 Claim. (Cl. 53—7.)

A frying pan having a continuous, imperforate flooring comprising supports having cooking surfaces of considerable extent and a series of gutters located between said supports to catch the drippings from the articles being cooked, the under sides of said supports being recessed whereby they will form pockets to hold the heat

from the fire, and the upper or cooking surfaces of said supports being formed concave so as to be adapted to



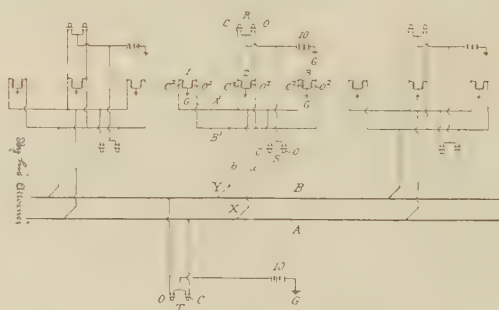
receive and hold small amounts of grease drippings to prevent articles which are being cooked from sticking to the extended cooking surfaces.

1,460,381. BUCKLE. ERNEST NELSON HUMPHREY, New Britain, Conn. Filed Sept. 1, 1922. Serial No. 585,607. 8 Claims. (Cl. 24—191.)



1. In a buckle, a front plate, a second plate pivotally connected to the back of the front plate and spaced apart therefrom, a third plate pivotally connected adjacent the free end of the second plate, with means co-acting with said second plate to secure the buckle fixedly to one end of a belt, a movable cam adjacent the free end of said third plate and carried thereby and located adjacent to the pivotal portion of said second plate when in operative position.

1,460,382. DOOR ENGINE CONTROL. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Feb. 28, 1920. Serial No. 362,163. 18 Claims. (Cl. 105—341.)

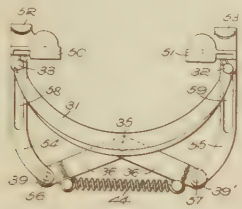


1. The combination with the door-operating circuits on two or more cars of a train, of a local external train line extending along the said two or more cars and contacts connecting the said train line with the said circuits.

1,460,383. LUBRICATING SYSTEM AND APPARATUS. WALTER M. S. KILGOUR, Lexington, Mass. Filed May 28, 1921. Serial No. 473,449. 9 Claims. (Cl. 64—35.)

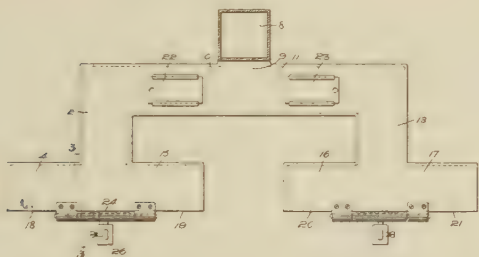
1. A support for a lubricating pad comprising a frame for holding the pad in contact with the shaft to be

lubricated, pivoted leg means extending below said frame for holding the pad in said frame against the shaft, and resilient means urging said leg means into frame-elevat-



ing position when below the pivot on which said legs are mounted and holding said legs in general conformity to the ends of said frame when above said pivot.

1,460,384. MATERIAL-HANDLING APPARATUS. WILLIAM S. KINSLEY, Reading, Mass., assignor to The Russell Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1920. Serial No. 349,511. 7 Claims. (Cl. 302—11.)



1. Apparatus adapted to feed wool stock to a feeder of the type used for a carding machine comprising, in combination, a conduit for carrying air blast driven stock, means for forcing a blast of air through said conduit and discharge means for said conduit providing a plurality of discharge openings substantially greater in combined area than the area of a cross-section of said conduit, whereby the stock is distributed in substantially uniform volume from the various openings with a final velocity very materially lower than its velocity through the conduit.

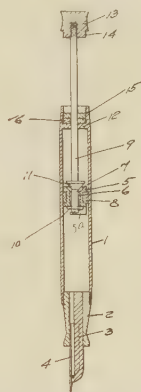
1,460,385. TIRE CLAMP. RAYMOND F. LACE, Columbus, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed July 8, 1920. Serial No. 394,613. 4 Claims. (Cl. 82—4.)



1. A tire clamp comprising in combination a main bracket adapted to be secured to a machine table or face plate, and a work-engaging toothed jaw carried by the bracket and eccentrically pivoted for movement about an axis normally parallel to the surface of the

table or face plate and perpendicular to the line of movement of the table or face plate, the said pivoted jaw being positioned to engage the surface of the work opposite to the table or face plate.

1,460,386. SELF-FILLING PEN. HYMAN LEWINSON, Erie, Pa. Filed Apr. 13, 1922. Serial No. 552,236. 3 Claims. (Cl. 120—47.)



1. In a self-filling pen, the combination of a barrel; a plunger in the barrel; a valve acting on the plunger; a stem extending from the valve to without the plunger; and means co-acting with the stem for moving the valve to open position through either rotative or axial movement of the stem relatively to the plunger.

1,460,387. STAR IDENTIFICATION PROTRACTOR. JOHN JAMES MCCracken, Norfolk, Va. Filed July 16, 1920. Serial No. 396,832. 4 Claims. (Cl. 33—1.)

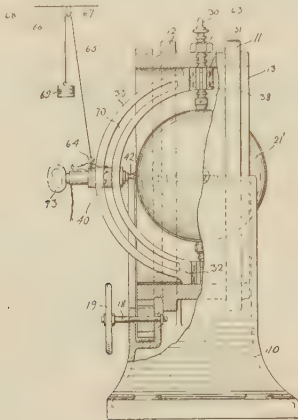


1. A star identification protractor for use in connection with star charts, comprising a transparent plate provided with ellipses and intersecting curves, said curves radiating from the center of the protractor, the ellipses and curves representing the shape and relative positions of the imaginary altitude circles and azimuth curves of the earth's sphere, stereographically projected on the plane of the Equator from any zenith.

1,460,388. STONE-SUSPENSION DEVICE. JOHN E. MALKIN, New York, N. Y. Filed Apr. 26, 1922. Serial No. 556,664. 5 Claims. (Cl. 125—10.)

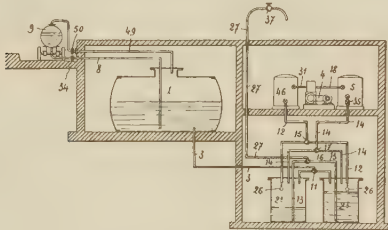
1. A machine of the character described, comprising a rotatable drum open on its sides, a tool holder at-

tached to said drum, means for rotating said drum, means for holding a tool in said holder, means for hold-



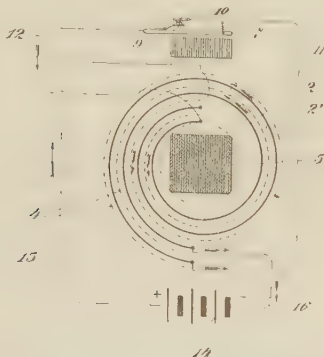
ing a work piece in said drum in position in front of the tool on said holder, and means for suspending the tool holder.

1,460,389. LIQUID-DISPENSING STATION. PIERRE ANDRÉ PAUL VICTOR MAULÈRE, Paris, France. Filed July 5, 1921. Serial No. 482,415. 10 Claims. (Cl. 221—67.)



1. A low pressure pneumatic apparatus for the dispensing of liquids comprising: two combined receptacles; a closed circuit of a constant mass of gas; a compressor arranged in this closed circuit; means for starting said compressor and therefore moving the gas; a set of pipes for the liquid and the gas.

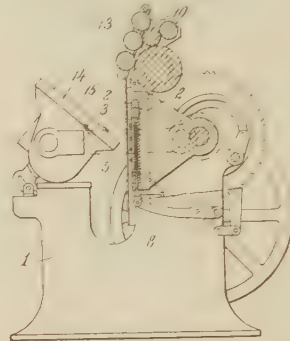
1,460,390. SOLENOID. WILLIAM J. O'LEARY, Montreal, Quebec, Canada. Filed May 21, 1920. Serial No. 383,123. 19 Claims. (Cl. 200—90.)



1. A solenoid comprising a pair of conductors separated in parallel relationship by a dielectric and coiled together in superimposed convolutions about an axis,

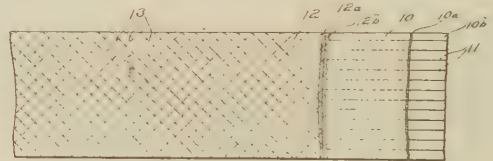
means for supplying a current to said conductors, means electrically connecting said conductors in series whereby the flow of a normal energizing current is in the same direction in both about the axis of the coil, and means for interrupting the electrical connection between said conductors.

1,460,391. METHOD OF STAMPING BOOKBINDINGS AND THE LIKE. SIDNEY SATENSTEIN, New York, N. Y., assignor to Alchemic Gold Company, Inc., a Corporation of New York. Filed Mar. 29, 1922. Serial No. 547,715. 1 Claim. (Cl. 41—7.)



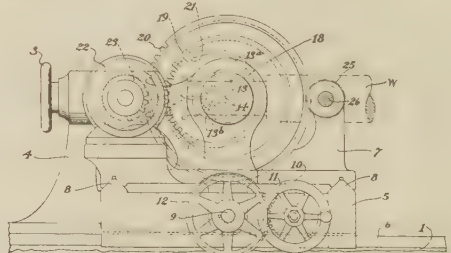
A method of stamping which comprises transferring a metallic pigment ink containing a solvent which is not volatile at atmospheric temperatures by pressure to a surface and drying the ink on the surface during the impression interval by the application of sufficient heat to ensure volatilization of the solvent.

1,460,392. MULTIPLY REINFORCED PAPER. ALBERT F. SCHENKELBERGER, Quincy, Mass., assignor to Safepack Mills, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 6, 1920. Serial No. 371,680. 2 Claims. (Cl. 154—52.)



1. A multi-ply reinforced paper comprising two sheets cementitiously united with lengthwise filaments imbedded therebetween and two other sheets united thereto with criss-cross filaments diagonal of the length of the web imbedded therebetween.

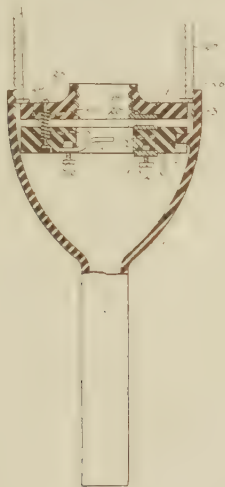
1,460,393. AXLE-MILLING MACHINE. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 26, 1921. Serial No. 440,020. 10 Claims. (Cl. 90—15.)



1. A milling machine comprising in combination means for bodily moving and rotating a cutter spindle compris-

ing a support, a rotary bearing mounted on the support, a cutter spindle mounted eccentrically in the bearing, a gear on the spindle, a member having teeth on the interior thereof meshing with the teeth of the said gear, and means for rotating the said member and bearing.

1,460,394. ELECTRIC-INCANDESCENT-LAMP HOLDER. EDMUND FRANCIS TWEEDY, Glenbrook, Conn. Filed Jan. 3, 1919. Serial No. 269,462. 6 Claims. (Cl. 173—346.)



1. A lamp holder comprising a hollow body member, a base within said hollow body member and adapted to be removably secured therein, a lamp supporting receptacle within said body member and means between said base and said receptacle for forcing the same away from each other and independent means for forcing said receptacle toward the base.

1,460,395. PICKLING BATH AND PROCESS FOR PICKLING IRON AND STEEL. OTTO VOGEL, Dusseldorf-Oberkassel, Germany. Filed Aug. 27, 1921. Serial No. 495,954. 4 Claims. (Cl. 148—8.)

1. Pickling bath for iron consisting in acid substances dissolving iron oxides and aromatic compounds having a nucleus in which several carbon atoms are united with a nitrogen atom.

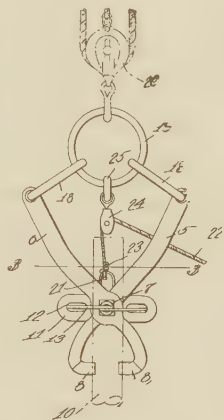
1,460,396. PLASTER AND PROCESS OF CONTROLLING THE SETTING OF PLASTER, AN ACCELERATOR THEREFOR, AND PROCESS OF MAKING SUCH ACCELERATOR. JOSEPH N. WIGGIN, East Orange, N. J., assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J., a Corporation of New Jersey. Filed Apr. 29, 1920. Serial No. 377,707. 13 Claims. (Cl. 106—34.)

1. A plaster of Paris composition comprising a mass of powdered plaster of Paris substantially without water and a second mass of plaster of Paris having water mixed therewith, but in less proportion than would be sufficient to solidify said second mass.

1,460,397. PIPE GRAPPLE. JOHN G. ZEHRER, Browns Valley, Minn. Filed Apr. 21, 1922. Serial No. 555,822. 2 Claims. (Cl. 294—118.)

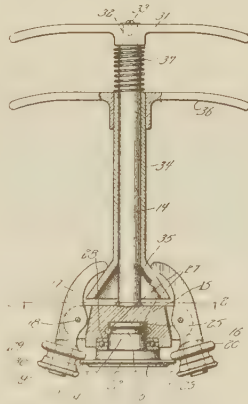
1. In a grapple, a pair of pivotally connected arms, jaws forming a part of the arms, means having connection with the arms for moving the jaws, a transversely extending plate carried by the arms, a guard including

a curved portion lying in spaced relation with the arms to accommodate an article therebetween, said plate



adapted to receive portions of the guard to secure the same to the arms, and means for guiding the grapple to its work.

1,460,398. CAN-CAP-SEAMING APPARATUS FOR VARNISH CANS, ETC. AUGUST M. AUGENSEN, Grand Junction, Colo. Filed Apr. 22, 1920. Serial No. 375,680. 7 Claims. (Cl. 113—24.)

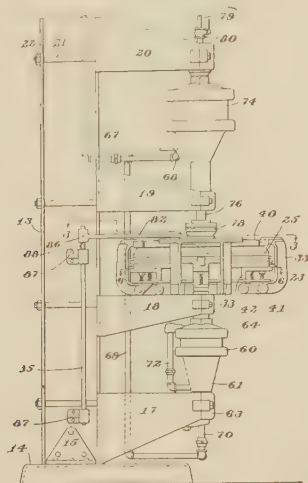


1. In a device of the class described, the combination with a frame, of a vertically movable supporting chuck upon which the can rests, an aligned clamping chuck to engage the seated cap free to rotate but held from vertical movement, crimping rolls associated with the clamping chuck, and manually controlled means for continuously rotating said rolls about the cap for any desired length of time.

1,460,399. ART OF UPHOLSTERY. FRANK H. BANCROFT, Gardner, Mass., assignor to P. Derby & Co., Inc., Gardner, Mass., a Corporation of Massachusetts. Filed May 4, 1922. Serial No. 558,395. 41 Claims. (Cl. 45—138.)

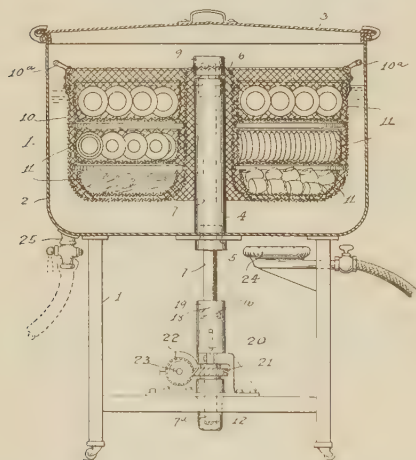
1. Apparatus for upholstering chair seats and the like comprising a die, rotatable means for supporting

the die, means for holding a cover on said die, and means for forcing a seat bottom into said die to stretch the cover and maintain the cover stretched while it is



being fastened to the seat bottom, said last named means acting on said seat bottom through a follower supported independently of said last named means.

1,460,400. DISHWASHING APPARATUS. CHARLES B. BELKNAP, Detroit, Mich. Filed Nov. 6, 1920. Serial No. 422,136. 2 Claims. (Cl. 141—9.)

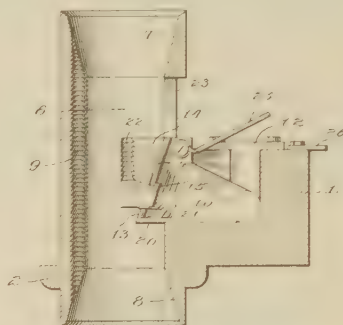


1. In a machine for washing dishes, the combination with a tank for holding a cleansing liquid mounted on a frame, of a vertical two part shaft carrying a rack adapted to hold utensils to be cleaned rotating in the tank, power means axially rotating the shaft, and roller bearings on the upper section of the two part shaft operating in a cam slot, causing vertical reciprocation of the rack within the tank with the axial rotation.

1,460,401. TUBING SPIDER. CHARLES H. BENCKENSTEIN, Vinton, La. Filed Mar. 22, 1921. Serial No. 454,445. 10 Claims. (Cl. 24—249.)

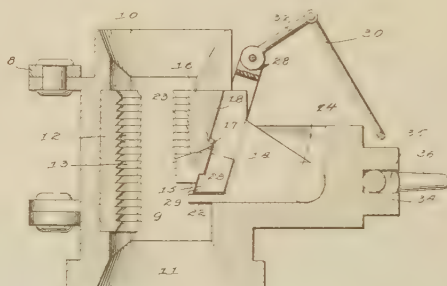
1. A spider including a body member provided with a substantially cylindrical passage extending therethrough,

fixed gripping means arranged in a portion of the passage wall, an arm mounted on a pivot in the body and adapted



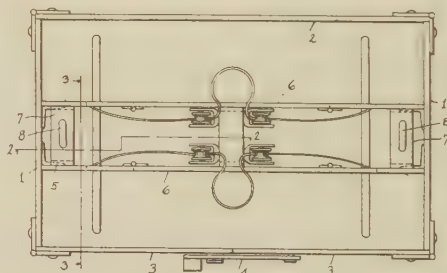
to project into the passage, and gripping means carried by said arm and adapted to swing about said pivot as a center.

1,460,402. TUBING SPIDER. CHARLES H. BENCKENSTEIN, Vinton, La. Filed Oct. 24, 1921. Serial No. 510,011. 8 Claims. (Cl. 24—249.)



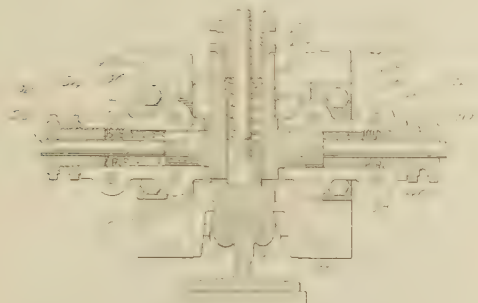
1. An apparatus of the character described composed of two sections, means for securing the two sections together, the two sections being so arranged as to form a substantially cylindrical passage therethrough when the two sections are together, a rocking arm carried by one of the sections, and a gripping jaw slidably mounted on said rocking arm.

1,460,403. MOLD FOR CEMENT BLOCKS. JAMES BONDI, Buffalo, N. Y. Filed Feb. 26, 1921. Serial No. 448,200. 3 Claims. (Cl. 25—121.)



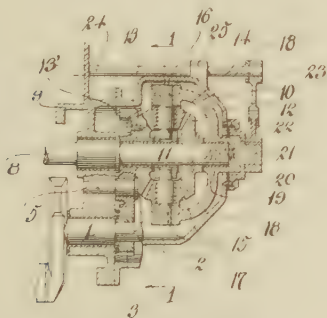
2. In a cement block mold, a removable core comprising connected parallel plates having recesses extending to their lower edges, panels normally closing said recesses and hinged to swing inward in opening, said panels having edge recesses to provide clearances for the connecting rods of the molded block elements, the walls of said edge recesses supporting said rods during the molding operation and means arranged within said core for opening said panels.

- 1,460,404. GUIDE SHOE FOR ELEVATORS. RICHARD BRENNER, Chicago, Ill., assignor to Kaestner & Hecht Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1920. Serial No. 390,324. 6 Claims. (Cl. 187-95.)



6. In combination with an elevator car and a vertical guide rail, a guide shoe having operative engagement with said rail and mounting means supporting said guide shoe upon said car, said mounting means permitting rotation of said guide shoe around each of two mutually perpendicular horizontal axes and including resilient means permitting a limited displacement of said guide shoe in any direction in a horizontal plane, and additional positive means imposing a definite limit on horizontal displacement of said guide shoe.

- 1,460,405. TIMING MECHANISM. OSCAR Z. BREWER, Spokane, Wash. Filed Dec. 4, 1919. Serial No. 342,484. 1 Claim. (Cl. 74-7.)

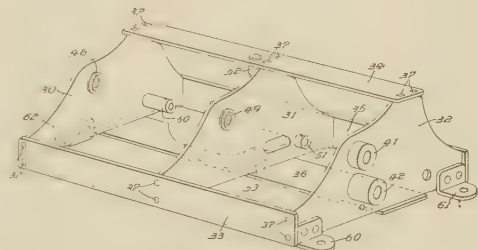
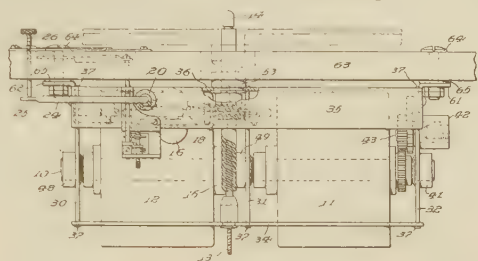


The combination in operating gearing including the driven shaft of a gear frame having a hub loose thereon and an axially aligned resilient member between said shaft and hub, means for retaining the hub on the shaft, and means for revolving the hub, as described.

- 1,460,406. SUPPORTING FRAME FOR TALKING-MACHINE MOTORS. ISAAC FRANCIS BURTON, Philadelphia, Pa., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Original application filed May 15, 1918, Serial No. 234,809. Renewed Nov. 16, 1922. 11 Claims. (Cl. 185-37.)

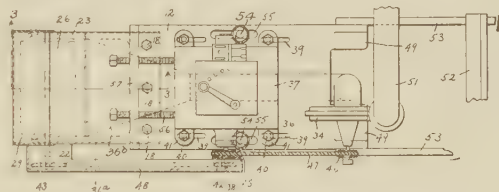
3. In a talking machine driving mechanism comprising a power element, a power shaft, a turntable spindle located at an angle relative to said power shaft and a

governor, the combination of a supporting frame for said mechanism including a plurality of frame plates for sup-



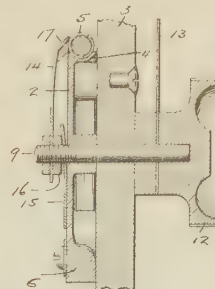
porting said power shaft and said governor and a tie plate for joining said frame plates and supporting said turntable spindle.

- 1,460,407. SURFACING MACHINE. JOHN A. CAMPBELL, Quincy, Mass. Filed Mar. 25, 1922. Serial No. 546,586. 1 Claim. (Cl. 51-176.)



A surfacing machine comprising a platform, traction wheels, a surfacing roll, said roll and the traction wheels being arranged to support the platform raised above a floor, a hood enclosing the major portion of said roll, a centrifugal blower mounted on the platform, a conduit connecting the lower rear portion of the hood with the fan casing, and means carried by the platform for driving the roll and blower, the machine being characterized by angular arms bolted to the forward end of the platform and projecting forward and downward therefrom, said arms being provided with bearings for the roll shaft, and formed to operatively support the hood below the platform.

- 1,460,408. RHEOSTAT. ERNEST G. DANIELSON, San Francisco, Calif., assignor to E. T. Cunningham, San Francisco, Calif. Filed July 18, 1921. Serial No. 485,696. 3 Claims. (Cl. 219-56.)



1. In a rheostat, a circular disc having a peripheral groove, a conductor coiled in the form of a long helix

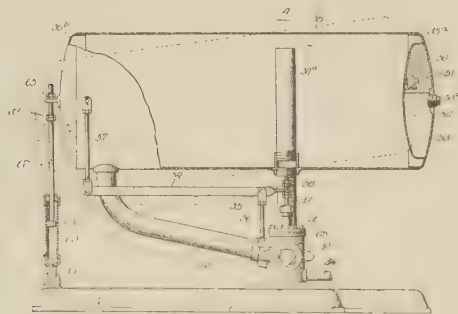
held within the groove, said groove being so shallow that the major portion of the helix is exposed, and a flat resilient contact arm of a single piece of metal rotatable on an axis passing through the center of the disc, said arm having a surface contacting with the helix on a plane oblique to the axis.

1,460,409. BURIAL VAULT. MATHIAS DOCHNAL, St. Louis, Mo. Filed Oct. 9, 1919. Serial No. 329,529. 2 Claims. (Cl. 27—35.)



1. A burial vault comprising a casket receiving section having an external annular flange positioned a suitable distance below the top edge of the walls of the casket receiving section, upwardly extending spring catches anchored in the flange of said casket receiving section, a shoulder formed near the upper end of each spring catch terminating upwardly in a head having an inclined outer face, a cover section telescopically embracing the body of the casket receiving section above the annular flange, said casket receiving section being provided with an internal recess opposite each spring catch and said cover section being provided with a plurality of recesses to form locking shoulders for engagement with the shoulders of the spring catches when the cover section is positioned, a screw threaded member communicating with each cover section recess capable of releasing each spring catch shoulder with the lower shoulder of the cover recesses when the screw threaded members are moved inwardly thereby permitting the removal of the cover section from the casket receiving section.

1,460,410. CONDENSATION TRAP. HUBERT C. ELLIS, Evanston, Ill., assignor to Ellis Drier & Elevator Company, Chicago, Ill., a Corporation of Wisconsin. Filed July 14, 1919. Serial No. 310,686. 6 Claims. (Cl. 137—103.)

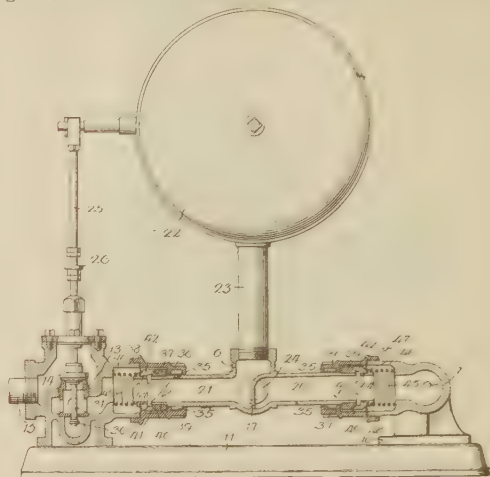


1. In a condensation trap, the combination of a tiltable drum, an inlet for the condensate and an outlet for the condensation, a valve connected to be operated by the drum for admitting fluid under pressure to the drum to discharge the condensation, and a counterweight for the drum consisting of metal having a low melting point and secured to the drum.

1,460,411. TILTING TRAP. HUBERT C. ELLIS, Evanston, Ill., assignor to Ellis Drier & Elevator Company, Chicago, Ill., a Corporation of Wisconsin. Filed Mar. 23, 1921. Serial No. 454,823. 8 Claims. (Cl. 285—96.)

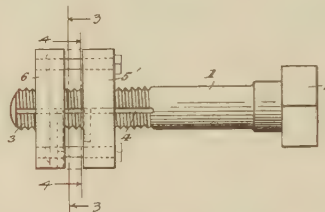
1. The combination of a trunnion pipe, fittings to which the ends of the trunnion-pipe are connected and pivotal connections between the fittings and the trunnion-pipe, one of which connections comprises a bearing-

ring fixed to the trunnion-pipe, a non-rotatable bearing-ring, and a flexible diaphragm between the non-rotatable ring and one of the fittings having one of its faces in



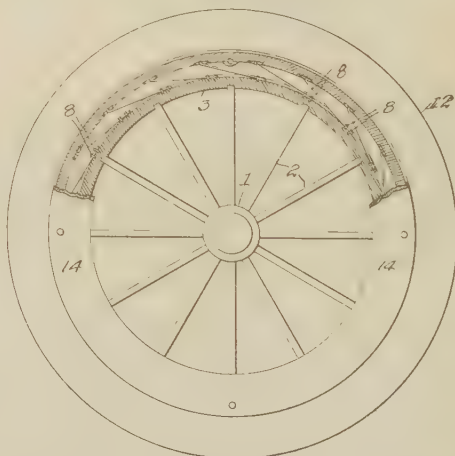
communication with and exposed to the pressure of the fluid in the pipe so that preponderating pressure will be applied to the diaphragm in that direction which will cause it to hold the rings in contact.

1,460,412. NUT LOCK. ANDY FRYKLO, Braznell, Pa. Filed Apr. 18, 1922. Serial No. 554,804. 1 Claim. (Cl. 151—11.)



In a nut lock comprising a bolt having longitudinal grooves, a pair of nuts positioned on said bolt, means carried by each of the nuts for engagement with the longitudinal grooves of the bolt and means for locking the nuts in a spaced relation with each other on said bolt to prevent rotation of said nuts in either direction.

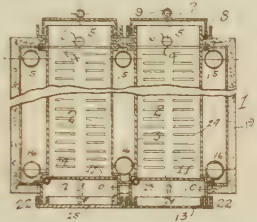
1,460,413. SPRING WHEEL. HENRY W. GAINES, Bowling Green, Ky. Filed Feb. 11, 1922. Serial No. 535,848. 4 Claims. (Cl. 152—37.)



4. In a wheel of the class described, the combination of an inner rim, springs fastened to the inner rim, an

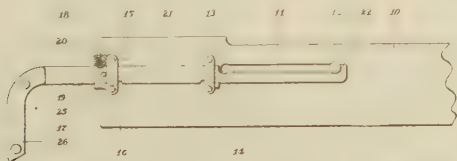
outer rim provided in its inner face with transversely-extending dovetail sockets, each socket opening at one end upon a side-face of the outer rim, a spring plug in each socket and bearing tightly against a spring each spring plug comprising an outwardly-bowed body and with laterally-extending ears at each corner of the body, said ears fitting into the side-edges of the dove-tail socket, ring-like side plates fastened to the outer rim and overlapping the inner rim, and said side plates holding the spring plugs in the sockets tightly against the springs, substantially as shown and described.

1,460,414. APPARATUS FOR DEVOLATILIZING COAL, SHALE, ETC. CLAUDE M. GARLAND, Chicago, Ill. Filed Jan. 28, 1920. Serial No. 354,531. 10 Claims. (Cl. 292—9.)



10. In apparatus of the type described, a heating chamber, a plurality of rows of vertical retorts extending through the said heating chamber, perforations in the side walls of the said retorts, an upper header communicating with the upper ends of a plurality of the retorts in a row, a gas outlet connection communicating with the said upper header, a sealed cover for closing the said upper header, a lower header communicating with the lower ends of the above said plurality of retorts, a swinging fuel support within the said lower header, a sealed cover for closing the bottom of the said lower header, a pipe for the discharge of superheated steam extending along each side of each row of retorts and near the bottom thereof, and a pipe for the removal of the said superheated steam and other products extending along each side of each row of retorts and near the top thereof, substantially as described.

1,460,415. OPERATING SLIDE AND HANDLE FOR MACHINE GUNS. WALTER T. GORTON, U. S. Army. Filed July 12, 1922. Serial No. 574,555. 4 Claims. (Cl. 89—2.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



4. The combination with an automatic gun having a breech bolt, of a slide attached to the gun and connected to the bolt and operable to move the bolt to its rearmost position and means for detaining the slide to releasably hold the bolt in such rearmost position or to lock the bolt in a position just prior to the gripping of a cartridge in the cartridge belt by the extractor of the gun.

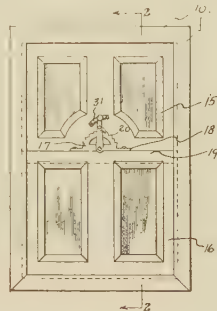
1,460,416. VEST. PHILIP E. HEIM, Sharon Hill, Pa. Filed Mar. 2, 1922. Serial No. 540,402. 1 Claim. (Cl. 2—97.)



A vest comprising front and back portions, each of said portions including a lining, the front portion having

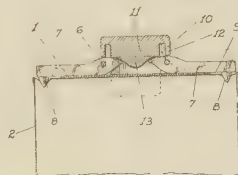
its rear edges enclosed by piping, the back portion being stitched to said front portion in close proximity to the piping and forming a flap, the piped portion being deflected on the lining of the front portion and a flap of said back portion being folded over said piped portion and secured to said front portion whereby the size of the vest can be varied without altering the lining.

1,460,417. DUMB-WAITER LOCK. SIGURD JAHR HOFF, New York, N. Y. Filed June 6, 1922. Serial No. 566,339. 1 Claim. (Cl. 292—202.)



A lock for a vertically slidable door comprising a toothed sector mounted on said slide door, a locking lever pivoted centrally on said sector and having a stud member projecting therefrom, a curved plate secured to a wall above said door and engageable with said stud when in locked position, said curved plate secured so as to form a wedge cam surface for jamming the door in closed position, a pawl member pivoted on said lever and engageable with the toothed sector, a lug integral with said pawl, a pawl release plunger slidably mounted in said lever having a knurled head thereon, a conical head on said plunger engageable with the lug and adapted to release the pawl from the sector when depressed and a spring for returning the same to normal.

1,460,418. CAN PUNCH AND SEAL. AUDIFF JOHNSON, Stockton, Calif. Filed May 1, 1922. Serial No. 557,758. 3 Claims. (Cl. 220—51.)

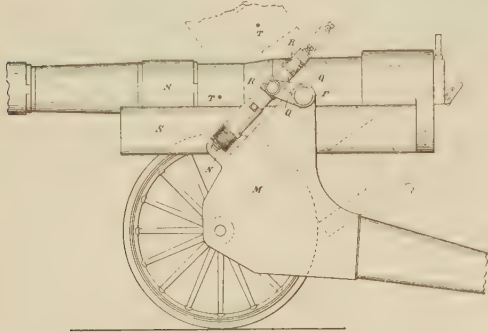


1. A can punch and seal comprising a plate adapted to be located on and clamped to a can, arms carrying punches on their undersides pivotally mounted on the plate in opposed relation, and rotatable means mounted above the arms for raising the outer ends thereof at will.

1,460,419. COUNTERPOISE. BRYAN P. JOYCE, Washington, D. C. Filed Oct. 10, 1921. Serial No. 506,920. 6 Claims. (Cl. 89—37.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

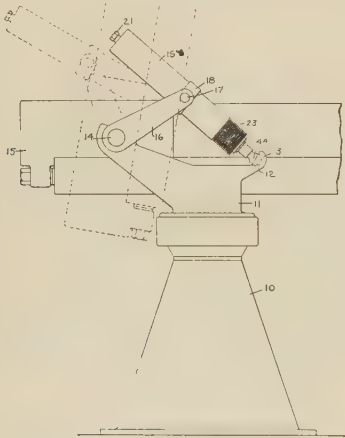
5. A counterpoise, embodying a plunger, a casing into which the plunger telescopes, a packing between plunger and casing, a sealing chamber adjacent the packing, an air chamber between the plunger and casing, a ring mov-

able in the sealing chamber for sealing the passage-way between the chambers, a valve for admitting lubricant



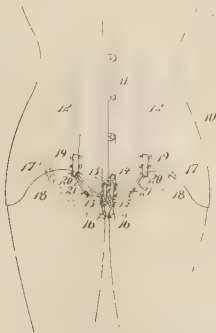
to the sealing chamber, means for preventing the ring from blocking the valve and a valve for admitting fluid under pressure to the air chamber.

1,460,420. COUNTERPOISE. BRYAN P. JOYCE, Davenport, Iowa. Filed May 7, 1923. Serial No. 637,244. 4 Claims. (Cl. 89—37.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



4. The combination with a gun carriage provided with a socket and a trunnion journaled in the carriage, of arms secured to the trunnion, a casing, trunnions carried by the casing and journaled in the arms, successively movable plungers within the casing and an end on one of the plungers seated in the socket for oscillatory movement therein.

1,460,421. ABDOMINAL SUPPORT. MAY A. KEELER, San Francisco, Calif. Filed Oct. 24, 1918. Serial No. 259,514. 3 Claims. (Cl. 2—188.)



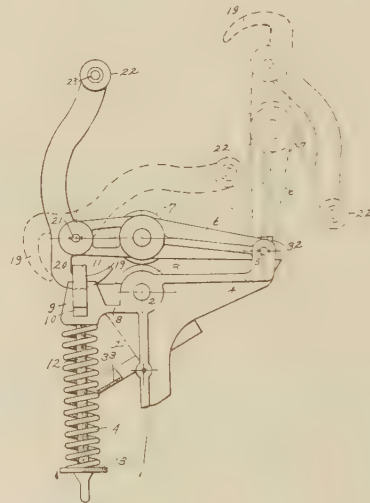
1. An abdominal supporter comprising a corset, straps secured to the front and back of said corset, at each side

of a central line, elastic perineal straps, means upon the ends of the first named straps through which the ends of the perineal straps may be detachably and adjustably interwoven, and side connecting cords by which the downward pull of the perineal straps may be adjustably distributed to the corset.

1,460,422. SYNTHETIC TAN AND PROCESS OF MAKING SAME. SIEGFRIED KOHN, Philadelphia, Pa., assignor to Rohm & Haas Company, a Corporation of Delaware. Filed Jan. 30, 1922. Serial No. 532,912. 4 Claims. (Cl. 260—2.)

4. The process of producing a synthetic tan which comprises the steps of treating a carbohydrate with sulphuric acid under conditions adapted to produce a solution of hexose in sulphuric acid, and thereafter adding to such solution a quantity of phenol substantially less than that necessary to combine with sulphuric acid and with the hexose present to form a phenol sulphonyl hexose, and maintaining sulphonating conditions until a substantial quantity of penta-para-phenol-sulphonyl hexose is formed.

1,460,423. PRESSURE REGULATING AND RELEASING APPARATUS FOR WRINGERS. ALVIN W. KRAHN, Milwaukee, Wis. Filed Mar. 27, 1920. Serial No. 369,183. 7 Claims. (Cl. 68—32.)

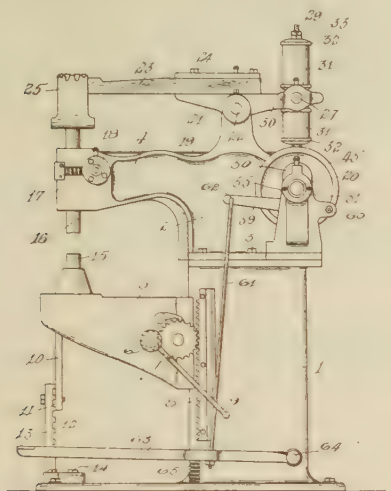


3. In a wringer the combination with a frame, a lower roller journaled in fixed bearings therein, a co-operating upper roller journaled in movable bearings adapted to be wholly removed from above the first mentioned roller, a set of springs in releasable connection with the movable roller, means for separately maintaining each of said springs under a desired degree of variable tension independently of their connection with the roller, and swinging devices connected to the movable bearings and having surfaces eccentric to their arc of movement and connectible with said springs and adapted when moved in one direction to progressively increase the tension of said springs and subject the movable roller to such tension to press the same upon its associated roller in said fixed bearings.

1,460,424. RIVETING HAMMER. PHILIP H. LECKINGER, Rochester, N. Y., assignor to High Speed Hammer Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Mar. 17, 1921. Serial No. 452,910. 6 Claims. (Cl. 78—40.)

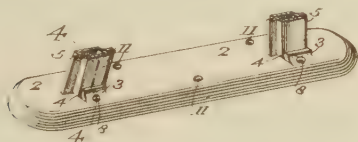
1. A riveting machine comprising an anvil, a hammer cooperating with said anvil, a helve for operating said hammer and having an opening therein, a bearing pin

mounted to turn in opposite walls of said opening and provided with a transverse opening, a mechanism for operating the helve comprising a rod extending through said



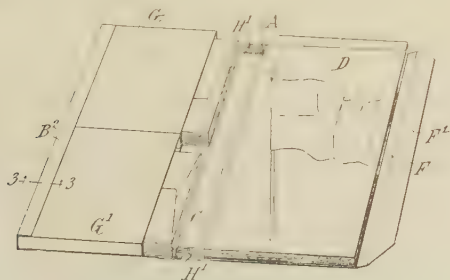
bearing pin, abutments separate from and engaging said bearing pin, and cushions on said pitman cooperating with said abutments.

1,460,425. FLOOR FASTENING FOR DESKS, SEATS, AND CHAIRS. LOUIS H. MCKEE, Trenton, N. J. Filed July 19, 1917, Serial No. 181,480. Renewed May 6, 1918. Serial No. 232,934. 6 Claims. (Cl. 45—137.)



3. A fastening shoe for a desk, etc. formed of a floor plate having cheek pieces rising from the same forming a mortise which is adapted to receive the foot of a side standard of the desk, etc., and a tongue depending from said foot adapted to enter the shoe and be clamped by said cheek pieces and engage the inner face of the adjacent side portions of the shoe.

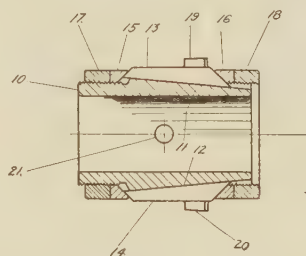
1,460,426. FOLDING PAPETERIE. BARTHOLOMEW E. MCSHEEHY, Huntingdon, Pa., assignor to J. C. Blair Company, Huntingdon, Pa., a Corporation of Pennsylvania. Filed Oct. 23, 1918. Serial No. 259,417. 3 Claims. (Cl. 281—31.)



1. A foldable papeterie comprising an envelope containing section and a sheet-holding section connected thereto by a hinged portion, the envelope-containing sec-

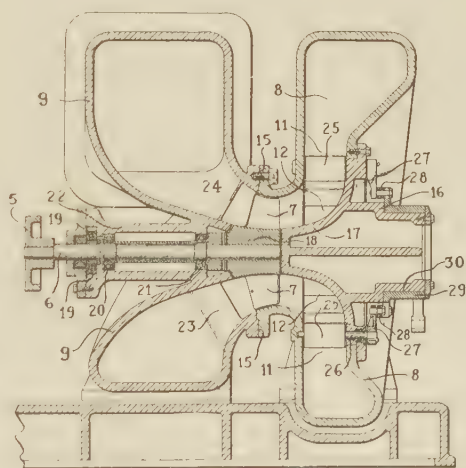
tion consisting of a back portion, a plurality of open-ended envelope pockets attached to the back portion, the inner open ends of the pockets being located near said hinge portion, and an extension on the back portion overlying the outer open ends and parts of the top faces of the envelope pockets and attached to said faces to close said outer open ends.

1,460,427. EXPANDING FLY CUTTER. JAMES P. MILLS, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a Corporation of Virginia. Filed Feb. 24, 1920. Serial No. 360,962. 2 Claims. (Cl. 77—58.)



1. A fly cutter comprising a cylindrical shell, a pair of longitudinally extending bars adustably secured at diametrically opposite sides of said shell, a cutting blade carried by and extending radially from one of said bars, and a gauging projection carried by and extending radially from the other of said bars, said gauging projection, when the cutter is ready for use, being reduced to slightly less radius than said cutting blade, whereby said projection clears the finished portion of the bore.

1,460,428. PUMP AND METHOD OF REGULATING THE SAME. LEWIS FERRY MOODY, Philadelphia, Pa. Filed July 3, 1919. Serial No. 308,607. 22 Claims. (Cl. 103—89.)

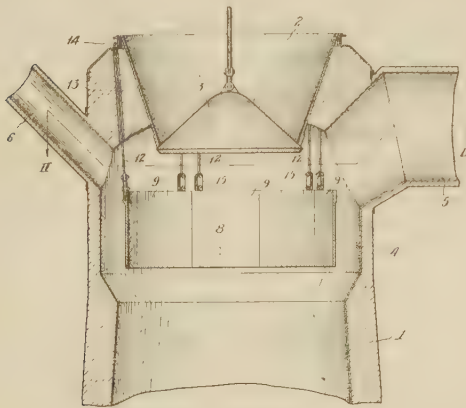


1. The method of regulating the flow through a rotary pump comprising increasing the velocity of the inflow in the direction of flow and simultaneously varying the angle of whirl thereof.

1,460,429. BLAST FURNACE. PATRICK J. MORAN, East Cleveland, Ohio. Filed Mar. 17, 1922. Serial No. 544,612. 13 Claims. (Cl. 266—27.)

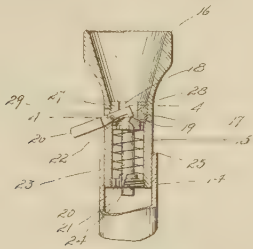
1. The combination with a blast furnace stack provided with a charging hopper at its upper end; of an

internal metallic shield cylindrical throughout within said stack adjacent said hopper, said shield conforming



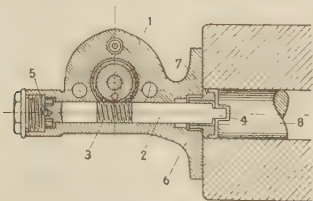
to the internal configuration of said wall and spaced therefrom.

1,460,430. LIFE BELT. FRED MORSE, New Haven, Conn. Filed July 7, 1922. Serial No. 573,263. 2 Claims. (Cl. 9—17.)



2. In a device of the character described, a life belt; and means for inflating said life belt when the same has been applied to the body and when both are in the water, comprising a flexible member connected with said life belt and a valve mechanism connected with said flexible member, said latter mechanism having a body with a mouth piece at one end thereof; a valve plug therein adjacent to the mouth piece and having a valve seat upon the inner face thereof, a stem plug closing the end of said body opposite to said mouth piece and having openings therethrough; a valve movably mounted within said body and supported in said stem plug; and a pivotally mounted lever projecting through the wall of said valve plug and body and having contact at its inner end with said valve, whereby the same may be moved off its seat by manipulation of that portion of said lever that projects outside of said body member to permit air to pass thereby from the mouth piece.

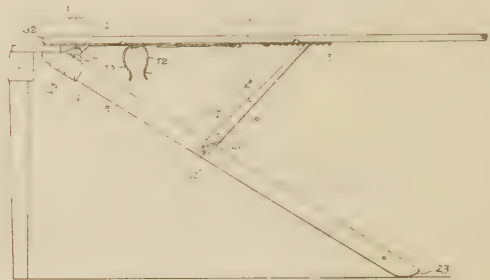
1,460,431. ARRANGEMENT OF OIL PUMPS. EUGEN LUDWIG MÜLLER, Munich, Germany. Filed Dec. 22, 1922. Serial No. 608,538. 1 Claim. (Cl. 103—205.)



The combination of a machine bearing, a machine shaft journaled in the bore of the said bearing, an oil

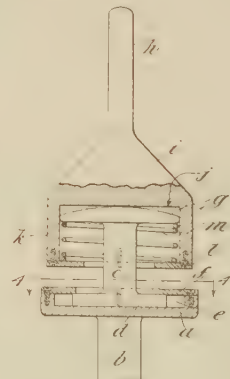
pump casing, a worm shaft journaled in the pump casing, a fixing flange connected with the pump casing and having a surface extending at right angles to the said worm shaft and abutting on the said machine bearing, a pump driving worm wheel engaging with the said worm and enclosed in the pump casing, a centering member associated with an end of the said worm shaft and projecting from the said flange into the bore of the machine bearing, and a connecting member at the end of the worm shaft and projecting into a slot in the machine shaft.

1,460,432. IRONING-BOARD CONSTRUCTION. ROBERT F. NADIG and WILLIAM D. SOMERS, Cleveland, Ohio. Filed Jan. 15, 1921. Serial No. 437,437. 4 Claims. (Cl. 68—10.)



1. In apparatus of the class described, an ironing board, an adjustable supporting member secured to the under-side thereof, a pivoted leg clamping element mounted thereon, a supporting leg slidably engaged in said leg clamping element, a rack member secured to said adjustable supporting member, and a brace arm pivoted to said supporting member, its outer end engaging said rack member.

1,460,433. WORK SUPPORT. WALTER V. NEAL, Malden, Mass., assignor to The United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 9, 1920. Serial No. 387,589. 18 Claims. (Cl. 12—126.)



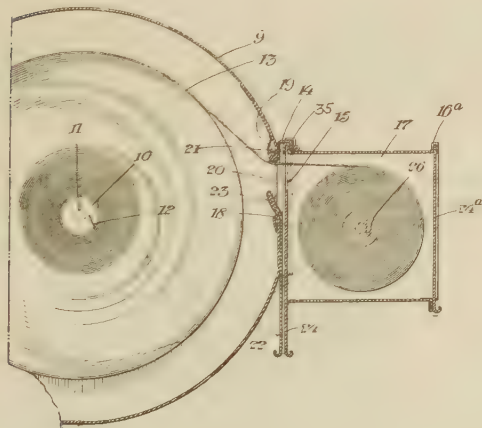
1. A machine element for sustaining or applying thrust comprising two members adapted to be placed with respect to one another either in a given alinement or at an inclination to such alinement in any direction and in various degrees; said members being in engagement with one another on tangent contact surfaces the degree of relative curvature being such that the line of thrust sustained by said element passes through the point of tangency of said surfaces at any inclination of the members, and means tending to move said members into alinement when the thrust is removed.

- 1,460,434. PAPERHANGER'S SHEARS HOLDER. GEORGE W. NEWBERRY, St. Louis, Mo. Filed Jan. 17, 1923. Serial No. 613,145. 1 Claim. (Cl. 24-13.)



A flexible shears-holder, comprising a leather base having at its upper end an integral flap adapted to be bent or looped around the main body portion of a safety-pin, and a strip of leather secured across the outer face of said leather base to provide a shears-holding loop at about the center of the length of said strip.

- 1,460,435. LOADING MEANS FOR FILM MAGAZINES FOR CAMERAS. HUGO NEWMAN, New York, N. Y. Filed Aug. 9, 1922. Serial No. 580,617. 14 Claims. (Cl. 242-55.)

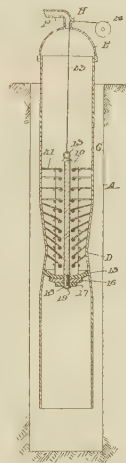


1. The combination of a film storage container and a film box adapted to be connected thereto to form a light-tight passage from one to the other, and mechanism carried by said film box for transferring the film thereto from the container.

- 1,460,436. COMBINED INDICATOR AND GAUGE. TROY R. NICHOLS, Mexia, Tex. Filed June 21, 1922. Serial No. 569,795. 4 Claims. (Cl. 73-51.)

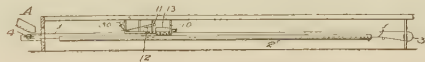
1. An indicator and gauge for wells comprising a frame, a measuring line connected with the frame and carried by a paying out spool for measuring the depth

to which the device descends within a well casing, a flexible disk detachably connected with the lower end



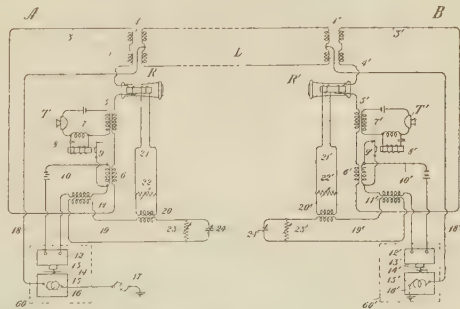
of the frame, and a plurality of bendable arms extending radially from the frame and engaging the inner periphery of the casing.

- 1,460,437. PACKAGE CONVEYING AND DISTRIBUTING DEVICE. SAMUEL OLSON, Chicago, Ill. Filed Dec. 15, 1916. Serial No. 137,086. 4 Claims. (Cl. 198-186.)



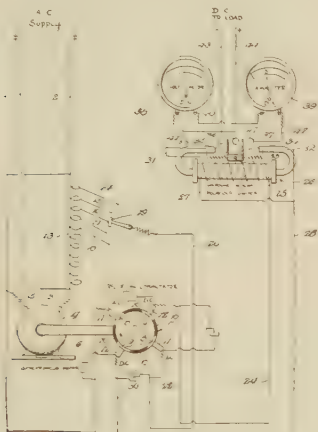
1. In combination with an elongated work table, means for distributing packages thereto, comprising a conveyor belt traveling parallel to said table, and a tripper, comprising a truck mounted to travel longitudinally of the belt and having a loose pulley over which the belt is fed for discharging its load, a laterally-discharging inclined plate on the truck in position to receive such load from the belt and deliver it to the table, said table being laterally spaced from the conveyor belt clear of the path of the tripper, with a longitudinally extended platform bridging such space and sloping downwardly from the side of such path to the table, a second pulley over which the belt is fed from the first and out forwardly from the tripper truck, and means for moving such tripper back and forth over the path of the belt at will, or arresting it at any point in such travel for distributing the material discharged from its plate over the table.

- 1,460,438. SECRET-COMMUNICATION SYSTEM. RALZEMOND D. PARKER, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 26, 1919. Serial No. 347,305. 6 Claims. (Cl. 179-1.)



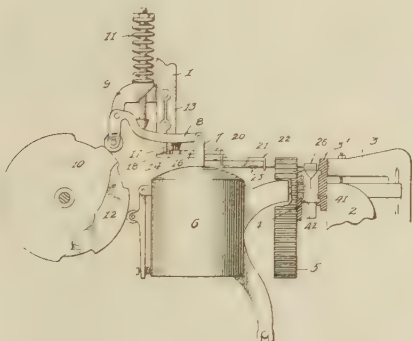
1. In a transmission system including a sending station and a receiving station the method of maintaining

load circuit, connections forming a circuit between the current source and the load circuit and including a rectifying commutator with a pair of oppositely positioned D. C. brushes and a pair of similarly positioned A. C. brushes between said D. C. brushes, an auto transformer provided with taps for selectively controlling the voltage of the rectified current, and condensers for



eliminating sparking, said condensers forming connections between each pair of said A. C. and D. C. brushes, the fixed terminal of said auto-transformer being connected to the junction of a condenser and an A. C. brush, and a movable terminal of the auto-transformer being similarly connected to the junction of the other A. C. brush and its condenser.

1,460,445. ATTACHMENT FOR LINE-CASTING MACHINES. LEON A. ROBINSON, Peoria, Ill. Filed Nov. 7, 1921. Serial No. 513,339. 15 Claims. (Cl. 199—53.)

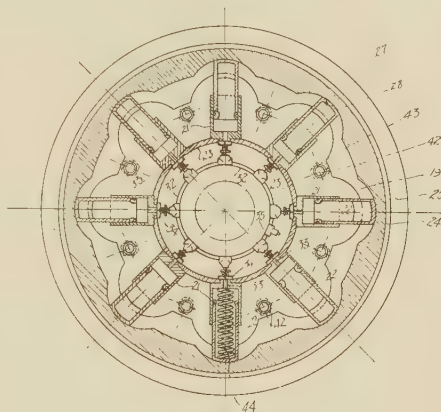


1. A line casting machine including in combination with its mold-wheel and a freely movable vise-jaw, a part engaged and moved by the mold wheel, and a second part operated by the first said part adapted to elastically engage and operate said jaw for closing it elastically upon a line of matrices.

1,460,446. RESILIENT WHEEL. ERNEST SCHULTZ, East Melbourne, Victoria, Australia. Filed Dec. 21, 1920. Serial No. 432,284. 2 Claims. (Cl. 152—28.)

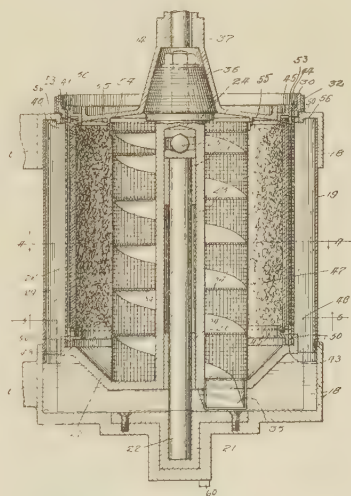
2. A resilient wheel comprising, in combination a concave surface formed on the inner surface of a ring sup-

porting a tread, sleeve pistons having central extensions for operating against the tread surface, the pistons on each side being also arranged to operate against inner concave surfaces of rim rings said rim rings being supported by rigid side plates connected to the wheel hub,



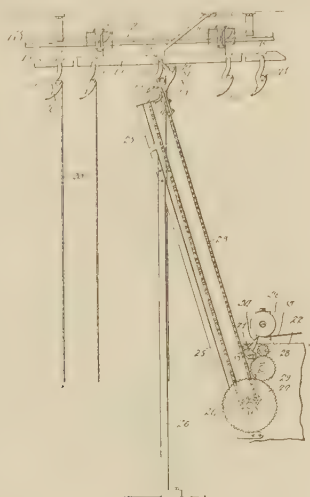
radial air cylinders receiving the pistons and disposed around a ring spaced from the hub, said cylinders providing an evenly distributed air pressure to the pistons around the wheel, and means for admitting air into the cylinders whereby to attain the required pressure, for the purposes specified.

1,460,447. CLEANING MACHINE. PASCAL J. SHAMPAY, Chicago, Ill. Filed Mar. 18, 1920. Serial No. 366,927. 12 Claims. (Cl. 68—18.)



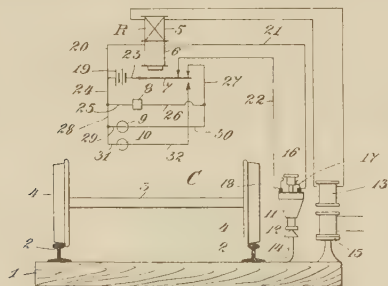
1. Cleaning apparatus comprising a receptacle; a cylinder rotatably mounted on a vertical axis in said receptacle and having openings in its walls; an article-to-be-cleaned holder adapted to hold an article in spread-out condition against the inner periphery of said cylinder; and means for raising a cleaning fluid from the bottom of said receptacle and discharging such cleaning fluid centrifugally toward said cylinder.

1,460,448. RUG-HANGING MACHINE. PASCAL J. SHAMPAY, Chicago, Ill. Filed Mar. 17, 1922. Serial No. 544,408. 20 Claims. (Cl. 198—20.)



1. Rug hanging mechanism comprising an elevated carriage, and means for automatically picking up a rug and automatically hanging the latter on said carriage.

1,460,449. AUTOMATIC TRAIN CONTROL. PAUL J. SIMMEN, Buffalo, N. Y. Filed Mar. 26, 1920. Serial No. 369,130. 4 Claims. (Cl. 246—63.)



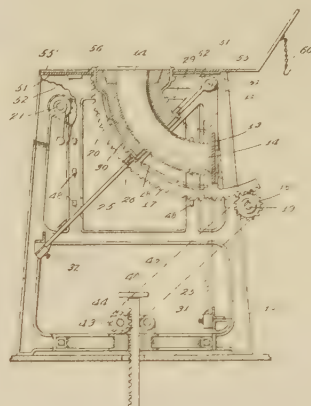
1. In a train controlling apparatus, in combination; a roadway; a car; a stick relay having a pick-up circuit and a stick-up circuit on the car; mechanical means on the road for breaking the stick-up circuit of said relay and electrical inductive means on the roadway for energizing the pick-up circuit of said relay.

1,460,450. LAST. LEWIS F. SMALL, Braintree, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass., a Corporation of New York. Filed Mar. 29, 1918. Serial No. 225,551. 2 Claims. (Cl. 12—133.)



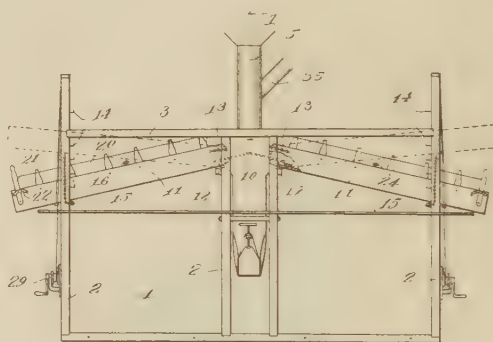
2. A last having an upper shaping surface and a bottom thereon, said bottom comprising a heel seat and a forepart, the effective tread surface of the heel seat lying in a plane parallel to the planes of any series of lines across the forepart of the last at right angles to the median line thereof.

1,460,451. CONCRETE-PIPE MACHINE. MICHAEL J. SMITH, Tacoma, Wash. Filed July 20, 1922. Serial No. 576,202. 10 Claims. (Cl. 25—30.)



1. A pipe molding machine comprising a main frame, a core carrier pivotally supported in said main frame, means for swinging said core carrier in the frame, comprising a segmental gear on the carrier and a pinion meshing with said gear, a curved core, means for detachably connecting said curved core to the carrier concentric with the axis of the carrier, a swinging mold support coaxial with the core carrier and means for holding said mold support in different positions of angular adjustment.

1,460,452. PRECIOUS-METALS CONCENTRATOR. HENRY F. SNAMISKA, Bremerton, Wash. Filed Jan. 24, 1923. Serial No. 614,624. 4 Claims. (Cl. 88—88.)

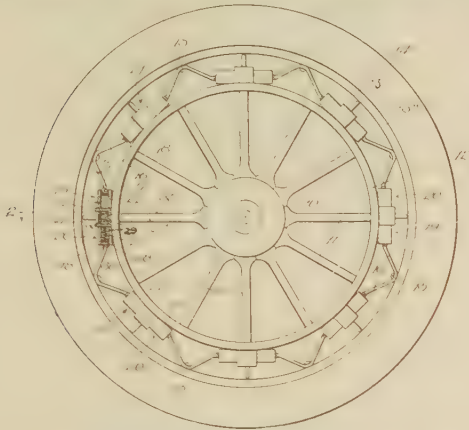


1. An ore concentrator comprising a frame, a centrally disposed receiving chute, a sloping sieve disposed under said chute, a dividing platform under said sieve, a vertical conduit beneath the platform, spaced pivoted flumes at either side of said platform adapted to be rocked to discharge either inwardly into the vertical conduit or outwardly, riffles in said flumes and means for rocking said flumes.

1,460,453. CUSHION WHEEL. MYER J. STEIN, Chicago, Ill. Filed May 19, 1920. Serial No. 382,632. 1 Claim. (Cl. 152—32.)

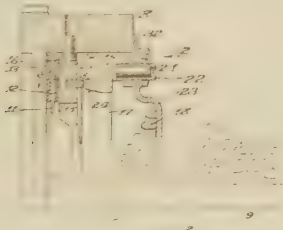
A cushion wheel comprising an inner and outer rim, a plurality of cylinders circumferentially arranged between said rims, alternately arranged pneumatic and spring cushioning means in said cylinders, spring cushioning members disposed between and closing the inner ends of said cylinders, springs secured to said outer rim, one

end of each of said springs being connected to one of said pneumatic cushioning means and the other end be-



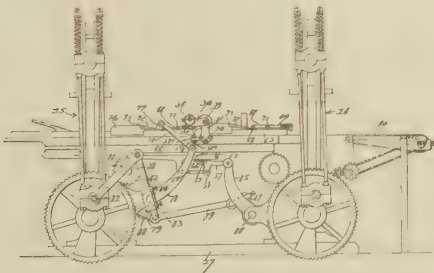
ing connected to one of said spring cushioning means to effect the cushioning of said pneumatic and spring cushioning means within said cylinders.

1,460,454. CLUTCH. CARL E. SWENSON, Rockford, Ill., assignor of one-fourth to Levin Faust, one-fourth to Eric S. Ekstrom, and one-fourth to Carl L. Anderson, all of Rockford, Ill. Filed May 2, 1921. Serial No. 466,031. 5 Claims. (Cl. 192-68.)



2. In a clutch of the character described, the combination of frictionally engageable members including a clutch plate having an annular groove, and means for imparting clutch-engaging pressure to said plate including segmental blocks disposed in said groove and having inclined abutting ends so arranged as to circumferentially equalize said clutch-engaging pressure.

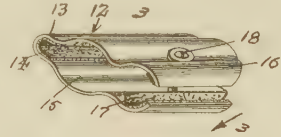
1,460,455. BRICK MACHINE. JAMES R. TACKETT, Olive Hill, Ky. Filed Sept. 16, 1922. Serial No. 588,715. 9 Claims. (Cl. 25-45.)



1. In a brick treating machine, a brick press, a brick re-press in spaced relation to each other, a brick support interposed between the presses on which bricks are transferred from one press to the other, horizontally reciprocating brick pushing elements for engaging bricks and pushing them over the support, vertically and longitudinally reciprocating brick carrying elements in op-

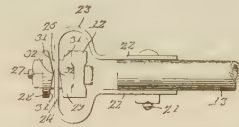
erative relation to the support for lifting the bricks from the support and transferring them longitudinally thereof and re-depositing them thereon, and means for operating the brick pushing elements and brick carrying elements oppositely.

1,460,456. ANTIRATTLER. THOMAS W. TITUS, South Haven, Kans. Filed Sept. 8, 1922. Serial No. 586,967. 2 Claims. (Cl. 74-39.)



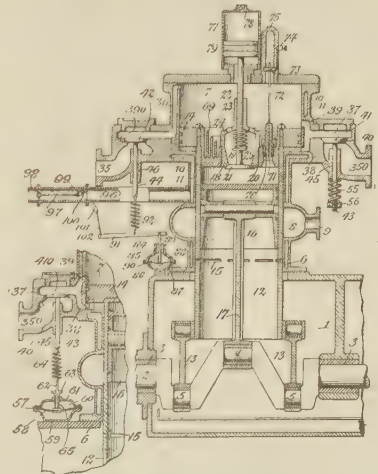
1. In combination with a steering column including spark and gas rods, an anti-rattler provided with felt portions to allow said spark and gas rods to rotate, but to guard against lateral movement thereof.

1,460,457. LANDMARKER FOR PLANTERS. HARRY R. TRAPHAGEN, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed July 8, 1920. Serial No. 394,827. 4 Claims. (Cl. 97-230.)



1. A device of the character described, comprising in combination with a transverse supporting member, a marker bar, a yoke the arms of which embrace said supporting member and extend forwardly therefrom, the marker bar being interposed between the vertically spaced arms of said yoke and pivotally secured thereto by means of a bolt on a vertically disposed axis, whereby the marker bar is adapted to swing horizontally upon said bolt, and means connecting the medial portion of said yoke to said supporting member and permitting the yoke and marker bar to swing vertically about a transverse horizontal axis and to oscillate about a fore-and-aft horizontal axis, such oscillation being limited by contact of the yoke arms against the supporting member.

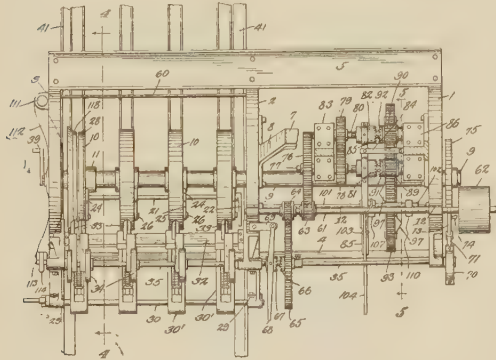
1,460,458. INTERNAL-COMBUSTION ENGINE. FRANK S. WAHL, North Tonawanda, N. Y. Original application filed Nov. 30, 1917, Serial No. 204,571. Divided and this application filed Mar. 27, 1920. Serial No. 369,412. 2 Claims. (Cl. 123-119.)



1. An internal combustion engine comprising a fuel supply conduit, a movable valve for controlling said

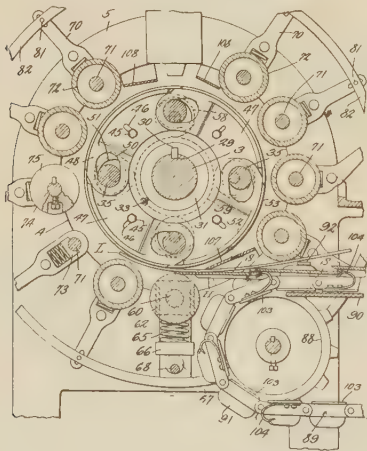
conduit, and means for adjusting the extent of opening of said valve, comprising a spring connected with said valve, a shell containing two chambers which are separated by a flexible diaphragm which is connected with said spring, one chamber being open to the atmosphere and the other closed to the atmosphere, and a thermostatic element responsive to changes in the temperature of the engine and operatively connected with said valve.

1,460,459. BARREL-MAKING MACHINE. JOSEPH L. WALKER, Baton Rouge, La., assignor to The K-D Barrel & Hamper Co., Baton Rouge, La. Filed Oct. 21, 1922. Serial No. 596,035. 18 Claims. (Cl. 147—1.)



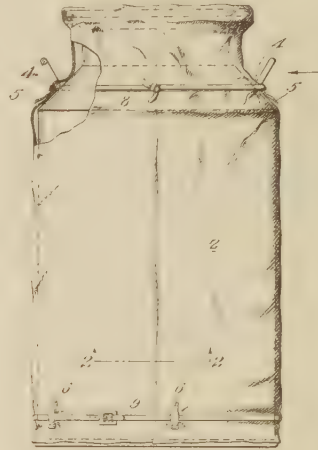
1. In a barrel making machine a former, a carriage, means cooperating with the former for gripping one end of a hoop strip, means on the carriage for gripping the other end of the hoop strip, means for rotating the former to wrap the hoop strip thereon and actuate the carriage, and means for automatically releasing the hoop strip from the carriage.

1,460,460. MACHINE FOR MAKING BARRELS. JOSEPH L. WALKER, Baton Rouge, La., assignor to The K-D Barrel & Hamper Co., Baton Rouge, La. Filed Dec. 19, 1922. Serial No. 607,828. 14 Claims. (Cl. 147—1.)



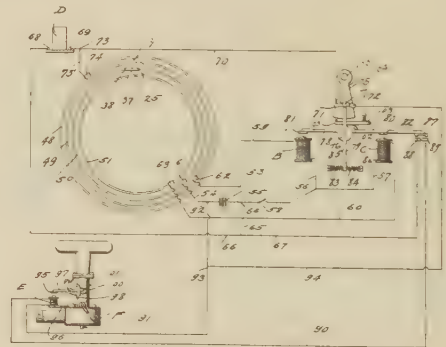
1. In a barrel making machine the combination with a former, of an endless carriage, means on the carriage for gripping hoop strips at one end, rotatable means cooperating with the former for gripping the hoop strips at the other end, and for causing it to conform to the former, and means for actuating the former and the rotatable means to bend the strips upon the former and actuate the carriage.

1,460,461. SANITARY AND TEMPERATURE-INSULATING JACKET FOR MILK CANS. WALTER A. WEST, Elkhorn, Wis. Filed Oct. 4, 1920. Serial No. 414,419. 2 Claims. (Cl. 220—9.)



1. A jacket adapted to enclose a milk can or the like, made of an inner and outer layer of waterproofed textile fabric and a loosely-interposed layer of paper, all the layers being secured together at marginal and seam lines; whereby air layers are retained between the waterproofed layers and the paper layer, the layers being all of such thinness and looseness of relation to each other as to render the jacket as a whole flexible and collapsible.

1,460,462. SYSTEM OF CONTROL FOR THE CARBURETING AND IGNITING DEVICES OF INTERNAL-COMBUSTION ENGINES. WILLIAM G. WILL, Fairview, Ill. Filed July 19, 1918. Serial No. 245,788. 6 Claims. (Cl. 123—102.)

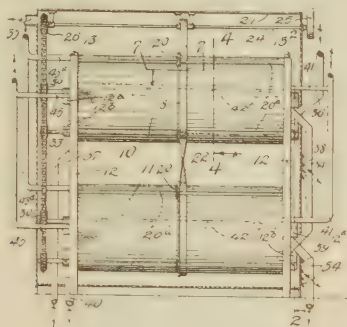


1. A system for automatically controlling the ignition and fuel of an internal combustion engine, which comprises a fly wheel having a rotatable element mounted transversely thereof, a contact and a switch arm carried by said member, a plurality of spaced and insulated rings on said fly wheel and engageable by the switch arm, said contact engaging constantly with one of the rings, electric circuits including a source of electric energy connected with the rings, means for operating said member and therefrom the switch, and electro-magnetic devices for automatically controlling the ignition circuit and the valve of the carburetor.

1,460,463. GRAIN SEPARATOR. ORA WOOD WILLIAMS, Minneapolis, Minn. Filed Oct. 31, 1921. Serial No. 511,727. 13 Claims. (Cl. 130—18.)

1. A separator of the kind described comprising a rotary drum provided with internal pockets, said pockets

having perforated bottoms, and an air tube arranged to blow a downward blast against the interior of the drum



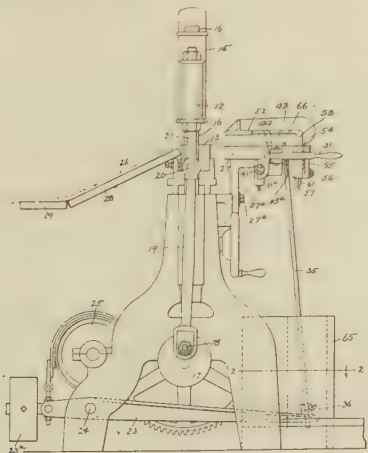
on the rising side thereof approximately parallel to the inner surface of the drum.

1,460,464. TOURING AND CAMPING CAR. ROLAND A. WILSON, Tampa, Fla. Filed Oct. 1, 1921. Serial No. 504,628. 12 Claims. (Cl. 296—23.)



1. In mechanism of the class described, a berth comprising a frame formed of substantially rectangular inner and outer bent wood members in superposed relation, the inner surface of the inner member being substantially flush with the outer surface of the outer member, means for securing said members together, a fabric stretched across the lower face of the outer member and a webbing stitched to the fabric and secured to the upper face of the inner member.

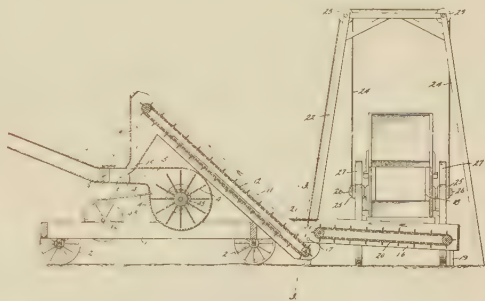
1,460,465. SAFETY MEANS FOR CUTTING MACHINES. GEORGE H. WOOD and FRED L. CAPEN, Boston, Mass. Filed Sept. 11, 1920. Serial No. 409,677. 6 Claims. (Cl. 192—131.)



6. A cutting-machine comprising a movable cutter; a cutting bed; operating mechanism having provisions for depressing and raising the cutter; a cutter-starting element formed and arranged to be grasped by one hand of an operator; automatic means normally locking said

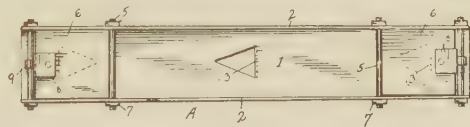
starting element in an inoperative position, said automatic means including an unlocking element formed and arranged to be grasped and moved by the other hand of the operator to unlock the starting element, the arrangement being such that the use of both hands of the operator is required to cause the operation of the machine; a work-supporting table adjacent to the cutting bed; and a normally raised and inoperative clamping member adapted to confine the work on said table, means being provided whereby the operator may depress said member to render the same operative while both hands are employed in causing the operation of the machine.

1,460,466. LOADING AND UNLOADING APPARATUS. JAMES ALVIN WORSHAM, Maroa, Ill. Filed Mar. 6, 1920. Serial No. 363,660. 1 Claim. (Cl. 302—12.)



In a portable loading and unloading device, a movable supported frame, a blower mounted upon the frame, a pneumatic tube through which the blower discharges, said pneumatic tube being provided with an inlet through the upper side thereof a chute extending upwardly from the inlet, an inclined conveyor carried by the frame and communicating at its upper end with the chute, and a hopper swingingly supported at one end upon the frame with the attached end thereof in communication with the inclined conveyor, said hopper being adapted for movement from a position in which it is substantially horizontally disposed and in which the free end thereof is positioned rearwardly of the frame to a position in which the free end thereof is positioned above the frame.

1,460,467. RAILWAY TIE. ORAN YARNELL, Salt Lake City, Utah. Filed Jan. 15, 1923. Serial No. 612,789. 1 Claim. (Cl. 238—286.)

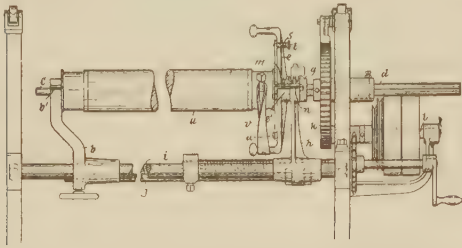


In a railway tie the combination of a channel made from sheet metal having portions struck from the general plane to form drain ports and soil engaging lugs; a cushion block in each end portion of said channel; angle straps bent to fit the upper face and end of each cushion block; bolts passed through the sides of said channel and said straps adjacent the ends of said cushion blocks to hold said blocks in place; and nuts screwed on said bolts to draw the sides of said channel against said blocks.

1,460,468. BEAM SUPPORT. GEORGE ADSIT, Paterson, N. J., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 27, 1922. Serial No. 539,431. 2 Claims. (Cl. 54—10.)

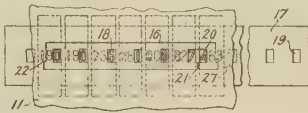
1. Beam supporting means including a bearing, a revoluble support therein having a laterally open recess extending to its end and within the bearing and adapted to receive the beam trunnion, the bearing having a slot

with which the recess is adapted to register on revolving the support, and a retaining member revoluble in and around the axis of the support and having a lateral



recess forming a seat for the beam and adapted on revolving said member to stand in or out of registry with the recess of the support.

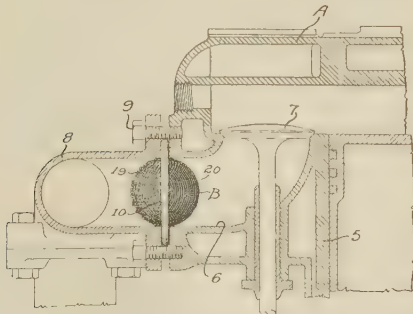
1,460,469. COMPUTING MACHINE. LOUIS L. ANSART, New York, N. Y., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Jan. 25, 1921. Serial No. 439,723. 22 Claims. (Cl. 235-60.)



1. In an algebraic computing machine, in combination, dials having figures to represent positive values, and other figures to represent negative values, each dial having one set of one kind of figures and two sets of the other kind, and means whereby attention may be directed to a row of figures of the first set to give a correct reading of a result corresponding to the kind of figures in said set, and whereby attention may be directed to a row of figures of the other two sets from which results of the corresponding kind may be read.

4. In an algebraic computing machine, in combination, a series of dials, each having a series of positive digits and two series of negative digits, said digits arranged one under another upon said dials, so that, on one side of each positive digit, there is a negative digit complementary to the base nine, and on the other a negative digit complementary to the base ten, and means to indicate a row of digits from which results may be read, a positive result or the complement of a negative result being read from the positive digits, and, in case of the latter, the correct negative result being read from the negative digits complementary to the base nine until the last significant figure of the complement of the negative result is reached, and then from the negative digits complementary to the base ten.

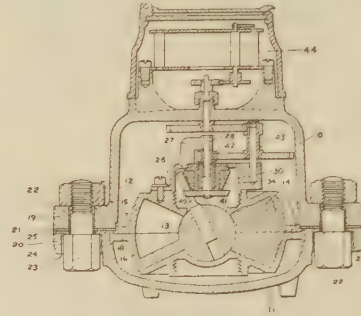
1,460,470. VAPORIZER AND MIXER FOR INTERNAL-COMBUSTION ENGINES. JOSEPH ASKINS, Lima, Ohio. Filed May 22, 1922. Serial No. 562,781. 1 Claim. (Cl. 48-180.)



In an internal combustion engine, the combination with an engine including a cylinder having an intake

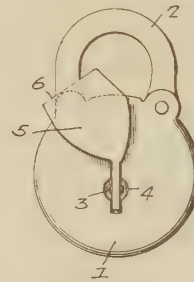
port and an intake manifold communicating with the cylinder, of a fuel vaporizer comprising a supporting gasket disposed between the intake manifold and the intake port, a pair of foraminous semi-spherical bodies secured to said gasket, one of said bodies being formed of a finer wire mesh than the other body and disposed entirely within the intake portion, the other body being disposed entirely within the intake manifold.

1,460,471. LIQUID METER. ROBERT S. BASSETT, Buffalo, N. Y. Filed June 1, 1921. Serial No. 474,150. 4 Claims. (Cl. 73-98.)



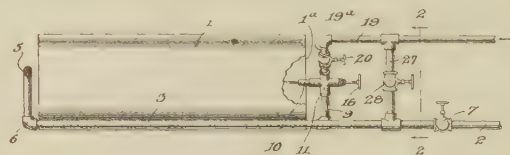
1. In a liquid meter, the combination with a gear plate, of a driven pinion shaft bushing engageable with and supported by the gear plate, and comprising a metallic shell, an internal insert supporting flange and a bearing insert supported by said flange substantially as and for the purpose described.

1,460,472. DETACHABLE KEYHOLE SEAL FOR PADLOCKS. THOMAS W. BENSON, Philadelphia, Pa., assignor to Miller Lock Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 13, 1921. Serial No. 469,232. 4 Claims. (Cl. 70-97.)



1. A plate for sealing the keyhole of a padlock, said plate having a portion engaging the lock casing and having a perforated portion through which one leg of the shackle is passed to hold the plate in position to prevent the insertion of a key in the keyhole.

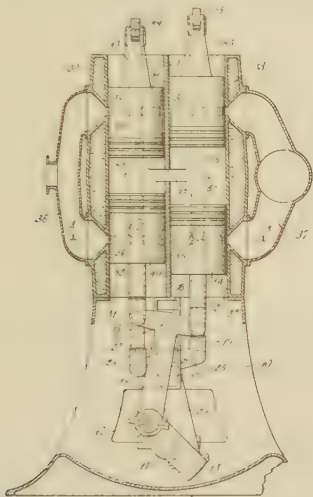
1,460,473. FLUID-FUEL BURNER. JOHN A. BISHOP, Clearwater, Fla. Filed June 7, 1921. Serial No. 475,657. 9 Claims. (Cl. 158-53.)



9. The combination of a fuel conductor having a heat absorbing surface, said conductor terminating in a nozzle arranged to direct its discharge adjacent said heat absorbing surface, a needle valve for controlling the flow of fuel from said nozzle, a pipe adapted to convey an

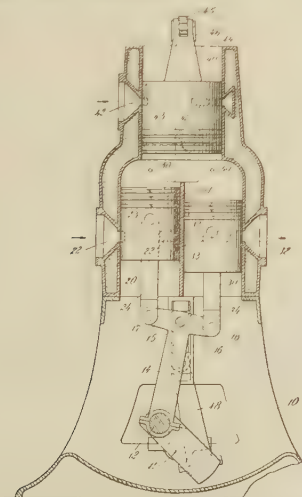
atomizing fluid into said nozzle, means in said pipe for controlling the flow of said atomizing fluid to said nozzle, and a connection between said pipe and a point in said fuel conductor distant from said nozzle and adapted to divert from said pipe through said conductor for cleaning purposes.

1,460,474. INTERNAL-COMBUSTION ENGINE. WILHELM B. BRONANDER, Montclair, N. J. Filed Nov. 17, 1919. Serial No. 338,694. 22 Claims. (Cl. 123—51.)



12. An internal combustion engine comprising a pair of cylinders provided with ports, a passage interconnecting said cylinders intermediate the ends thereof, a pair of pistons in each cylinder, a shaft having crank pins of unlike angularity, guides transverse to the shaft, connecting rods between the crank pins and the guides, transverse projections from opposite sides of each connecting rod near its guided end, links between the pistons and said projections, said pistons being arranged to open and close the cylinder ports, and means for injecting oil into the cylinders between the pistons.

1,460,475. INTERNAL-COMBUSTION ENGINE. WILHELM B. BRONANDER, Montclair, N. J. Filed Sept. 16, 1920, Serial No. 410,624. Renewed Dec. 11, 1922. 12 Claims. (Cl. 123—53.)



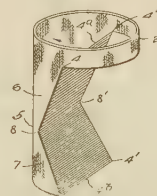
1. An internal combustion engine comprising a pair of cylinders with like ends thereof connected, an inlet

port in one cylinder, an outlet port in the other cylinder, pistons in the cylinders arranged to control said ports, a crank shaft, a connecting rod having a cross arm operatively connected with the pistons and arranged to cause said pistons to move out of step to open and close said ports in desired sequence, a third cylinder connected at one end with the connected ends of the first mentioned cylinders, a piston in the third cylinder and a connection between the third cylinder piston and the crank shaft.

1,460,476. WELDING COMPOUND. JAMES R. CAMPBELL and JAMES L. REYNOLDS, Scottdale, Pa. Filed Oct. 7, 1921. Serial No. 506,113. 3 Claims. (Cl. 148—25.)

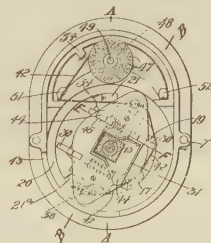
3. A welding compound consisting of 5 to 10 per cent of oxide of iron, 15 to 30 per cent of black manganese dioxide, and 80 to 60 per cent of borax, all commingled and mixed together to form an even mixture.

1,460,477. SEAMLESS STOCKING AND METHOD OF MAKING SAME. WILLIAM H. CARTER, Needham Heights, Mass. Filed Feb. 3, 1922. Serial No. 533,834. 11 Claims. (Cl. 66—4.)



1. As a new article of manufacture, a seamless or circular knit stocking having the heel thereof narrowed and widened, the corresponding ends of the narrowing courses and the corresponding ends of the widening courses being connected by floated threads.

1,460,478. DEVICE FOR REPLACING FUSE WIRE AND FOR INDICATING BLOWN-OUT ELECTRIC CIRCUITS. PHIL DAVIES, Woollahra, New South Wales, Australia. Filed Dec. 9, 1919. Serial No. 343,588. 10 Claims. (Cl. 200—125.)

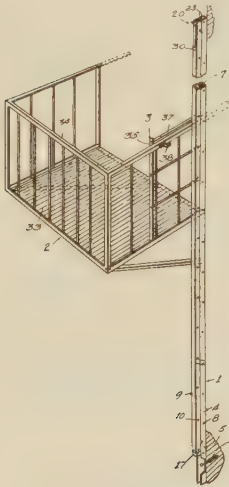


1. In a device for replacing fuse wire and for indicating blown out electric circuits, a spool and spool box adapted to carry a coil of fuse wire, two curved arms integral with the spool box, one of said arms being provided with a recess, a corresponding tooth to fit into the recess, and means on the arms through which the fuse wire may be threaded and held stretched from one arm to the other for the purpose herein described.

1,460,479. FOLDING LADDER. ALBERT S. DIXON, Los Angeles, Calif. Filed Apr. 18, 1922. Serial No. 555,317. 5 Claims. (Cl. 228—36.)

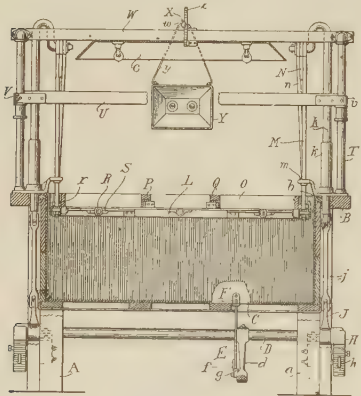
1. A second story landing having a floor and a railing extending upwardly from the floor, a folding ladder

extending downwardly from above the railing and against the outside of the railing, and a rigid ladder extending



from the floor to the top of the railing so that a person may climb up the rigid ladder over the railing to the folding ladder.

1,460,480. RADIATOR-REPAIR MACHINE. MARTIN GERBER, Iowa City, Iowa. Filed Sept. 11, 1922. Serial No. 587,606. 5 Claims. (Cl. 73—51.)

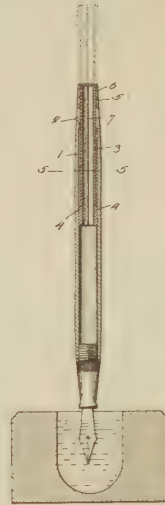


1. In a radiator repair machine, the combination with a stand, of a tank carried by the stand, a frame constructed to enter the tank, means for raising and lowering the frame and for holding it in intermediate positions, and a turntable ring provided with cross-pieces and carried by the frame and movable with the said frame into and out of the tank.

1,460,481. FOUNTAIN PEN. DAVID A. GLUSHAK, Washington, D. C. Filed Nov. 9, 1921. Serial No. 514,004. 2 Claims. (Cl. 120—47.)

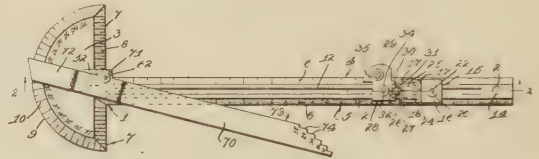
1. In a fountain pen, the combination of an outer barrel having an annular shoulder projecting interiorly near its end, an inner barrel slidably mounted in the outer barrel, said inner barrel having an annular shoulder near its inner end projecting outwardly and adapted to abut against the shoulder of the outer barrel, means

for the escape of air from the space between the barrels on the outward stroke of the inner barrel, a rod affixed



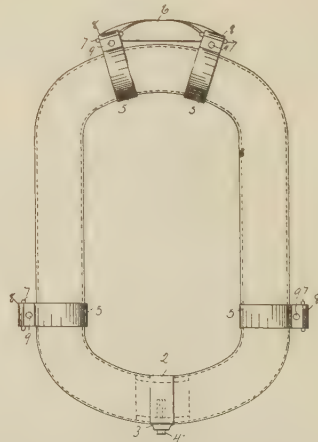
to the inner surface of the end of the inner barrel and extending longitudinally of said barrel for approximately the entire length and spaced from the walls of the barrel.

1,460,482. DRAFTING INSTRUMENT. CHARLES FREMONT GOLDEN, Denver, Ind. Filed Aug. 30, 1922. Serial No. 585,188. 1 Claim. (Cl. 33—75.)



In an instrument of the class described, a main member comprising a body and a head, the head having a protractor scale and an arm pivoted to the main member and cooperating with the body to define angles, the arm being provided with laterally offset edges forming subdivisions of the unit of the protractor scale.

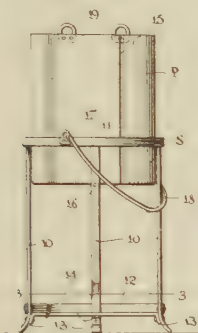
1,460,483. LIFE BUOY. GUSTAVE HAACK, Madison, Wis. Filed Jan. 21, 1922. Serial No. 530,953. 1 Claim. (Cl. 9—17.)



In a life buoy, a metal tubular air chamber of convenient form to be secured to a person across and in

front of the body just below the neck, thence down both sides and across the waist and connected at the lower ends by a tubular coupling, in which is located an air admitting check valve, in combination with adjustable metal bands disposed around the outside of the air chamber for attaching neck, and waist straps, for securing the buoy to a person.

1,460,484. COMBINED PAIL AND STAND. ALBERT GEORGE HARRINGTON, Birmingham, Mich. Filed July 11, 1922. Serial No. 574,216. 1 Claim. (Cl. 248—41.)



In combination, a pail having a plurality of grooves or channels formed longitudinally thereof and in its outer surface, a stand comprising a frame, open at its upper end and adapted to telescopically receive the pail, cross members adjacent the bottom of the frame adapted to support the pail, studs carried by said frame one for each of the grooves, said studs being adapted to permit free upward and downward movement of the pail and when said pail is moved upwardly and above said studs and rotated to bring the same out of alignment with the grooves, said studs being adapted to engage the bottom of the pail and support the same in an elevated position and within the frame.

1,460,485. APPLIANCE FOR PLAYING AN IMPROVED CARD GAME. ALBERT EDWARD HARVEY, Streetley, England, assignor of one-half to George Edward Folkes, Birmingham, England. Filed Dec. 31, 1919. Serial No. 348,714. 1 Claim. (Cl. 46—25.)

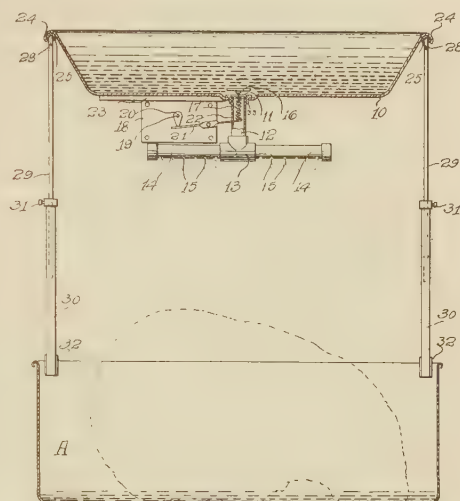


A game set comprising two packs of cards, one pack consisting of a plurality of stock cards having designated thereon the par value of the stock, the other pack consisting of a plurality of quotation cards, said quotation cards determining the market value in play of the stock cards.

1,460,486. AUTOMATIC BASTER FOR COOKING. HELEN IRENE HARVEY, Butte, Mont. Filed June 19, 1922. Serial No. 569,206. 8 Claims. (Cl. 53—6.)

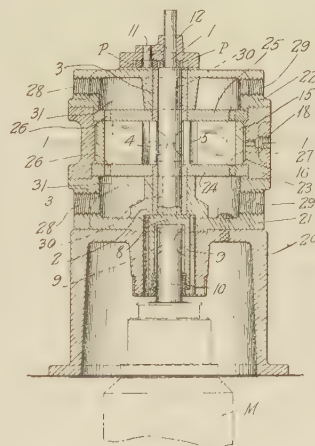
1. A basting attachment for roasting pans comprising a container having means whereby it may be supported

above the roasting pan, a perforated outlet pipe operatively connected to the container and discharging upon



the material in the roasting pan, a valve controlling the discharge from said outlet pipe, and means automatically causing the opening of the valve at uniform intervals

1,460,487. ROTARY COMPRESSOR, EXPANDER, MOTOR, AND PUMP. WILFORD J. HAWKINS, Montclair, N. J. Filed Sept. 16, 1921. Serial No. 501,073. 4 Claims. (Cl. 103—136.)



1. In a device of the character described, a rotor casing, an upper casing member, a lower casing member, a plate between said upper casing member and said rotor casing, a plate between said lower casing member and said rotor casing, intake ports and outlet ports in each of said plates, intake connections and outlet connections on each of said casing members, and a base member.

1,460,488. PROCESS OF AND APPARATUS FOR MAKING SHEET GLASS. WILLIAM E. HEAL, Washington, D. C. Filed Jan. 17, 1921. Serial No. 437,909. 7 Claims. (Cl. 49—3.)

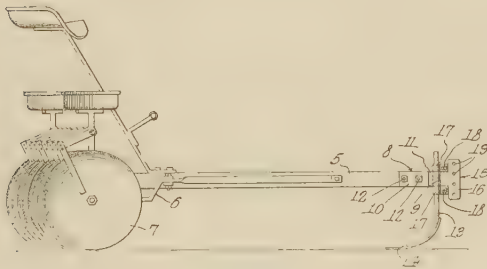
7. An apparatus for forming sheet glass comprising a receptacle adapted to receive a body of powdered, fin-

ished glass, a movable member arranged therein, means for heating said member, and a pair of spaced rods ar-



ranged at the top of said tank, said rods being capable of being heated for polishing the sheet glass formed.

1,460,489. SHOE FOR DISK HARROWS. CLARENCE M. JACOBS, Butler, Ky. Filed May 26, 1922. Serial No. 563,860. 5 Claims. (Cl. 278-87.)



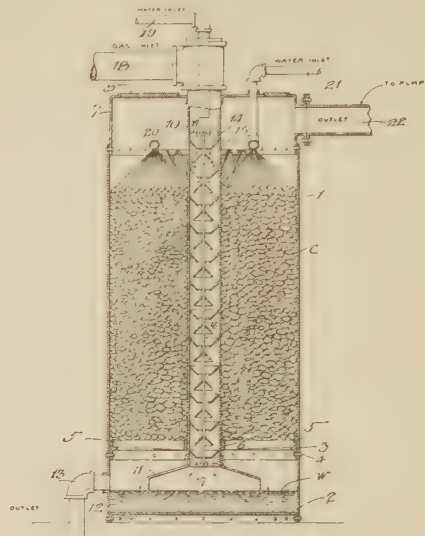
1. The rear clevis having a socket to be secured to the tongue of a disk harrow or the like, said rear clevis embodying a substantially vertical sleeve, a substantially vertical shaft pivotally mounted within the sleeve, a ground engaging shoe carried by the lower end of the shaft and being longitudinally curved and increasing in curvature forwardly, a front clevis embodying a substantially vertical plate having a pair of strap ears receiving the shaft above and below the rear clevis, said substantially vertical plate having vertically spaced means for connection with a draft appliance which may be attached to the plate at different elevations, and means for effecting a clamping engagement between the strap ears and the substantially vertical shaft whereby the shaft is held against turning movement under ordinary working conditions and may turn when the shoe is subjected to an abnormal force tending to shift it laterally.

1,460,490. GAS SCRUBBER. HORACE G. JOHNSTON, Corsicana, Tex., assignor to Genevieve Johnston, Corsicana, Tex. Filed July 16, 1920. Serial No. 396,665. 7 Claims. (Cl. 261-98.)

1. In a gas scrubber, a container adapted to inclose scrubbing material and having a gas outlet at one end, a gas inlet pipe entering said container at the outlet end continuing therinto and opening adjacent at the opposite end, baffling means in the pipe, and means for discharging water onto said baffling means and into the container around said pipe.

7. In a gas scrubber adapted to remove oil, tar and other liquids from gas produced from coal or the like, a container, a drain pipe so disposed as to maintain a constant level water seal in said container, a gas washing and condensing conduit entering said container and extending downward therein, said conduit having an en-

larged lower discharge end below the water level adapted to permit the issuing gas to pass upward in relatively small bubbles well distributed throughout the



water, a gas outlet, means for showering scrubbing water within the container around the inlet conduit and means for admitting water direct to said conduit.

1,460,491. CONVEYING AND SCREENING APPARATUS. EUGENE E. LANDAHL, Oak Park, Ill. Filed Nov. 22, 1920. Serial No. 425,881. 18 Claims. (Cl. 83-56.)



1. Conveying and screening apparatus comprising, means providing a traveling conveying and screening surface inclined upwardly and then downwardly between a point of feed and a point of discharge whereby material carried by said surface will be agitated and a conveyor-trough for screened material under said conveyor and screening surface and extending throughout the area of upward and downward inclination of said surface.

1,460,492. COMMUNICATION SHEET. HARRY L. LATZ, Atlantic City, N. J. Filed Mar. 31, 1920. Serial No. 370,140. 2 Claims. (Cl. 283-56.)

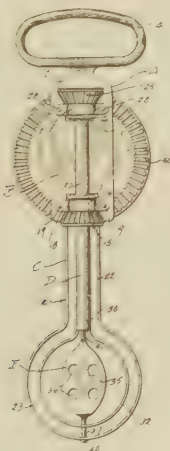
1. A communication sheet provided with a blank space adapted to receive a communication inscription, a border for said space initially produced upon said sheet and defining a major portion thereof, said border including a plurality of pictorial representations, at least one of which has associated therewith a blank form intended to be subsequently filled in, by the writer of the communication, with an inscription to complete the design of the representation and its associated form, said representation and the words of said form being of such a character as, together with the inserted inscription, to have a definite meaning with respect to the addressee,

and the matter initially produced upon said sheet being of a general appearance such as to facilitate the filling in of said blank form with said subsequent inscription in



a manner to bear a close similarity in appearance to said initial inscriptions, whereby the completed whole has the appearance of having been initially produced upon said sheet.

1,460,493. AGITATOR. EDWIN S. LEINAN, Fargo, N. Dak. Filed Sept. 5, 1922. Serial No. 586,234. 7 Claims. (Cl. 259—139.)

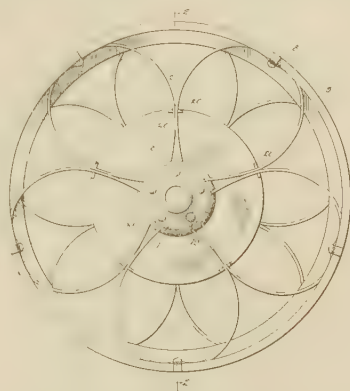


1. An agitator comprising a support, an inner plate shaped dasher, an outer loop shaped dasher, an intermediate loop shaped dasher, and operating means for said dashers.

1,460,494. RESILIENT WHEEL. JAMES F. MILLER, Minden, La. Filed July 22, 1922. Serial No. 576,748. 5 Claims. (Cl. 152—50.)

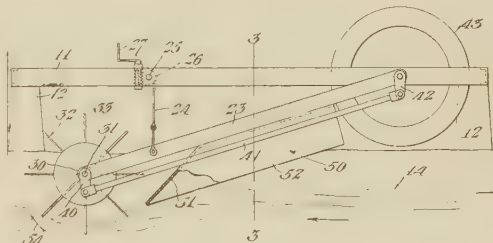
1. In a wheel, the combination of a hub, a rim having a central annular rib upon its inner circumference, spokes consisting of bowed resilient bands having their ends secured in the hub and their outer intermediate bowed portions bearing against the inner circumference of the rim and against opposite sides of the central rib thereon, and

clips fixed to the flanges of the rim and extending radially inward on the outer sides of said flanges and trans-



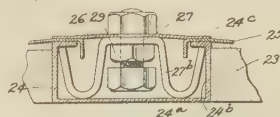
versely to the inner circumference of the rim and the bowed portions of the spokes and secured to the sides of the central rib upon the rim.

1,460,495. CURRENT MOTOR. HANS P. MOLANDER, Long Beach, Calif. Filed Aug. 11, 1921, Serial No. 491,395. Renewed May 16, 1923. 4 Claims. (Cl. 170—82.)



4. A current motor comprising: a frame adapted to be fixed over a moving stream of water; two bearings concentric about a single axis, one bearing fixed to one side of said frame and the other bearing fixed to the other side of said frame; two swinging arms, one pivoted on one of said bearings and the other pivoted on the other of said bearings; a shaft situated at the free end of said swinging arms; bearings carried on said swinging arms, in which said shaft is free to turn; a paddle wheel turning about the axis of said shaft; a curved imperforate current deflector carried between said arms and moving therewith and so shaped as to direct the force of said stream against the periphery of said wheel; and side wings so placed as to confine said force within definite channels, said deflector consisting of a sheet of material extending entirely across the face of the wheel and having any transverse lines therein parallel with the axis of the wheel.

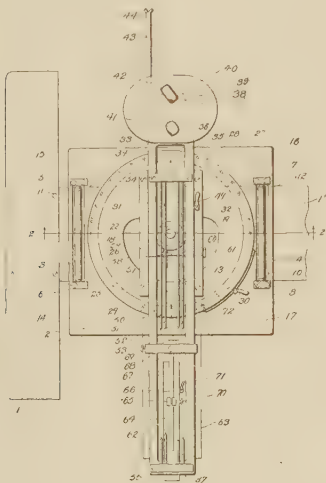
1,460,496. CAR ROOF. GEORGE C. MURRAY, Chicago, Ill. Filed Nov. 10, 1917. Serial No. 201,264. 6 Claims. (Cl. 108—5.4.)



1. In a car roof structure, a channelled member extending transversely of the car with its side walls directed upwardly and having flanges directed inwardly from the upper edges of said side walls, roof sheets overlapping said channelled member and seating on said

flanges, a cover plate mounted over said channelled member and overlapping said roof sheets, and means at intervals across the car for clamping said roof sheets between said cover plate and said flanges.

1,460,497. DRAFTING DEVICE. OLIVER E. NOBLE, Manhattan, Kans. Filed Apr. 14, 1922. Serial No. 552,697. 8 Claims. (Cl. 33—26.)



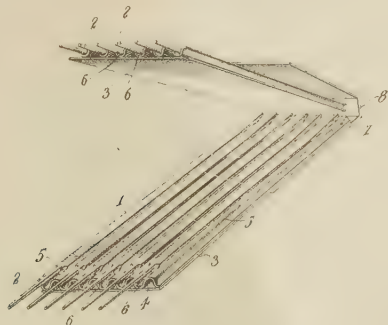
1. A device of the class described comprising a base, a rotatable plate on the base, a slidable frame carried by the rotatable plate, a slidable tool carrier on the slidable frame, means for fixing the rotatable plate rigid with respect to the base, and means for fixing the slidable frame rigid with respect to its plate.

1,460,498. COMBINED SHOCK ABSORBER AND OILING ATTACHMENT FOR VEHICLE SPRINGS. JOHN PEYREB, Salem, Oreg. Filed June 12, 1922. Serial No. 567,730. 3 Claims. (Cl. 267—50.)



1. An oiling attachment for vehicle springs comprising a strip having oil supplying means on its inner face with its ends rolled to form attaching elements, and an open loop formed intermediate the ends of said strip to permit its longitudinal yielding to facilitate its attachment.

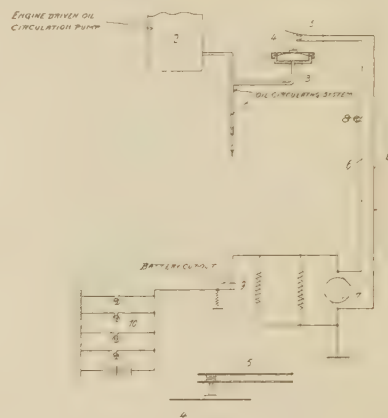
1,460,499. CONTAINER FOR FILES. FAYETTE RUMSEY PLUMB, Philadelphia, Pa. Filed May 28, 1921. Serial No. 473,299. 4 Claims. (Cl. 206—46.)



1. A package of files or the like, consisting of a plurality of plates each having a face provided with inter-

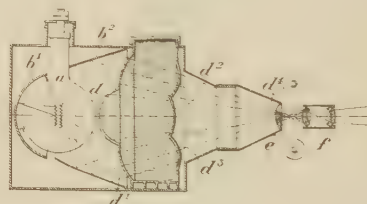
grally formed parallel grooves and a plane back, said sheets being superposed face to back, files occupying said grooves, a folder enveloping one end of said plates and files, and an open-ended sheath surrounding the whole.

1,460,500. PLANT FOR THE SUPERVISION OF THE CIRCULATION LUBRICATION ON POWER CARS. MAX RALL, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed May 26, 1922. Serial No. 563,992. 2 Claims. (Cl. 177—311.)



2. In a device of the class described, the combination, with an engine, an oil circulating system for said engine, and means driven by the engine for forcing oil under pressure through said system, of an electric lamp, a dynamo operated by said engine, an electric circuit connected directly to the terminals of said dynamo, said lamp being connected in said circuit, and means in said oil circulating system including a diaphragm for maintaining the electric circuit open when the oil in said system exceeds a certain pressure and to allow the circuit to close when the oil falls below a certain pressure.

1,460,501. LIGHT-PROJECTING APPARATUS. JAKOB RITTER, Basel, Switzerland. Filed June 3, 1921. Serial No. 474,704. 2 Claims. (Cl. 88—24.)



1. In a light projecting apparatus, the combination with a lamp of a catoptric light condenser and a dioptric light condenser, said dioptric light condenser comprising a liquid lens near to the lamp with a forward and rearward annular lenticular zone and a rear glass lens at a substantial distance beyond the liquid lens and being so arranged as to concentrate the rays from the catoptric light condenser through its annular lenticular zone to the said rear glass lens, substantially as and for the purpose described.

1,460,502. CHART HOLDER. THOMAS J. RUDEKILL, Madison, Wis., assignor to Scanlon-Morris Co., Madison, Wis. Filed Oct. 7, 1922. Serial No. 593,157. 1 Claim. (Cl. 129—35.)

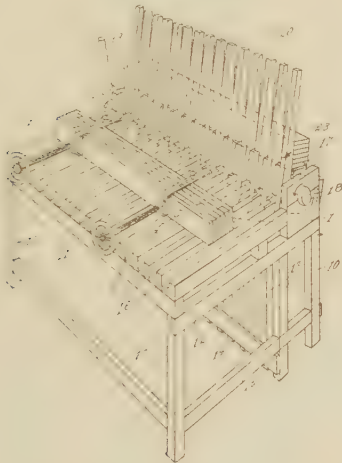
In a chart holder, a back and knuckles formed from sheet aluminum, a pin disposed through the knuckles, a

torsion spring mounted on the pin between the knuckles, one end of the spring resting against the back, and the other disposed in a groove on the under side of a clip, in



combination with a clip so mounted on the pin that the weight of the holder when suspended from a hook in the wall, will force the front edge of the clip towards the back of the holder, as described and explained.

1,460,503. DOOR-CORE-ASSEMBLING DEVICE. EDWARD SATZGER, Sr., Cincinnati, Ohio. Filed Aug. 30, 1922. Serial No. 585,157. 3 Claims. (Cl. 144—281.)



1. In a device of the character described, a table formed of interspaced members, and a reel having interspaced arms thereon, set so as to pass between said members substantially for their full length and means for supporting the table members without interfering with the complete revolution of the reel, said interspaced arms having members thereon constituting lateral supports for a composite board structure at right angles to the arms.

1,460,504. ANTISKID DEVICE. OTTO C. SCHAEFER, Hoboken, N. J. Filed Feb. 8, 1923. Serial No. 617,691. 1 Claim. (Cl. 152—14.)

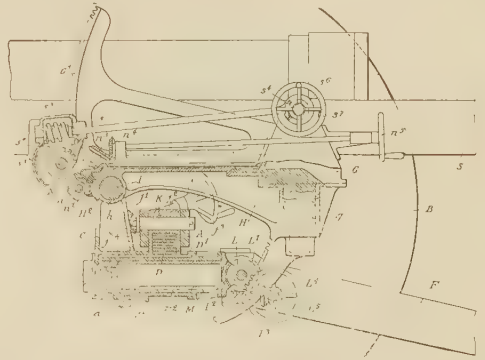


An anti-skid device comprising articulated links, and ellipsoidal rollers bored longitudinally with semi-spherical cavities at their ends in which the eyes of the links are received to permit the rollers to lie in a curve conforming to the transverse curve of the tread.

1,460,505. WHEELED GUN CARRIAGE HAVING DIVERGIBLE TRAILS. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Nov. 27, 1922. Serial No. 603,699. 5 Claims. (Cl. 89—40.)

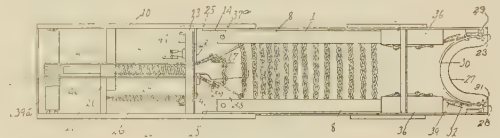
1. A wheeled gun carriage comprising, in combination, an axle, a block pivotally secured thereto having a longitudinally extending bearing portion, a pair of divergible trails adapted to rock about said portion, a carriage head pivotally secured to said portion, a mount pivotally secured to said head, a pedestal having a pivot pin, means

pivotally securing said pedestal to said mount, and means for moving said pivot pin to a vertical position from any inclined position.



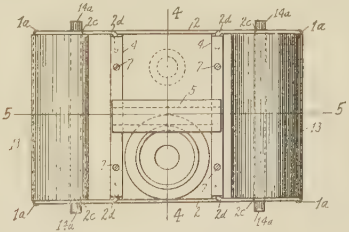
3. A wheeled gun carriage comprising, in combination, an axle, a transverse member having a longitudinally extending bearing portion, a bundle of leaf springs interposed between said member and axle, a pair of divergible trails adapted to rock about the longitudinal axis of said portion, a carriage head pivotally mounted on said portion, and means for moving said carriage in a vertical plane parallel to said axle about said portion.

1,460,506. TIRE-CHAIN-MOUNTING DEVICE. JOSEPH SCHNEIDER, Cincinnati, Ohio. Filed Jan. 4, 1921. Serial No. 434,949. 4 Claims. (Cl. 152—14.)



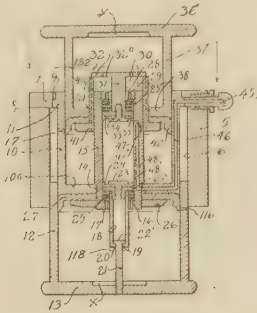
1. In a device of the character described the combination with a chain having a clamping element for engaging over a tire, of a container, and a slidable member therein for moving the chain, a rod on which the slidable member moves and a spring on the rod, a latch in the slidable member adapted to rest on the rod and a spring to retract the slidable member, and automatic means for lifting the latch from the rod in the outer position of the sliding member.

1,460,507. BLOTTING INKSTAND. JACOB GEORGE SCHWARTZ, Rockingham Township, Scott County, Iowa. Filed Feb. 2, 1922. Serial No. 533,511. 5 Claims. (Cl. 120—1.)



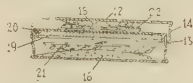
1. In a blotting inkstand, a pair of end braces having shaped bottoms, perpendicular ends, boxing means within the upper portion of their ends, other short brace means provided at upwardly disposed ends of the end braces, the last mentioned brace means being provided with vertical nib means suitable for securing the said end braces to the ends of a pair of sill members, which with said end brace members form a part of the frame work of said blotting-inkstand.

1,460,508. HYDRAULIC EXPANDING BAR. DAVY VANCE SPEKMAN, Denver, Colo. Filed July 1, 1921. Serial No. 481,810. 7 Claims. (Cl. 138—10.)



3. In a hydraulic bar having a plurality of chambers arranged at spaced intervals, a cylindrical cup shaped wall member separating each chamber into two compartments, two oppositely arranged cup shaped main pistons telescopically connected with said wall member, a gasket connected to the bottom of said wall member and cooperating with the inside of one of said main pistons, a gasket carried by the other main piston and cooperating with the inside of said wall member, a tubular member secured to the bottom of said wall member and having one end extending into one compartment, the other end being provided with an inwardly directed flange, an auxiliary piston in said tubular member and lost motion connection between said auxiliary piston and one of said main pistons, a second auxiliary piston in said tubular member, a stem of non circular cross section attached to said last named auxiliary piston, a disc connected to the other end of said stem, a disc-like member slidably connected to said stem between said disc and piston, said disc-like member being firmly secured to the open end of said tubular member and lost motion connection between said disc and the other main piston whereby the latter will move the second named auxiliary piston as it approaches the end of its stroke.

1,460,509. VANITY BOX. RALPH WM. WILSON, New York, N. Y. Filed Oct. 6, 1922. Serial No. 592,706. 2 Claims. (Cl. 132—83.)



1. In a device of the character described, the combination with a box having an inner and outer cover hinged at opposite sides of the box, a powder compact in said box, a powder puff for said powder, a mirror mounted inside of the inner cover, a vertical wall on said cover, adapted to telescope inside the vertical wall of the powder compartment of the box, a flange on said inner cover adapted to engage and abut the upper edge of the side wall of the box, an outer cover having peripheral walls which telescope the outside of the side walls of the box and abut the shoulder formed thereon, the flange on the inner cover being fitted to the inside of the wall of said upper cover, a rouge compact on the inside of said outer cover.

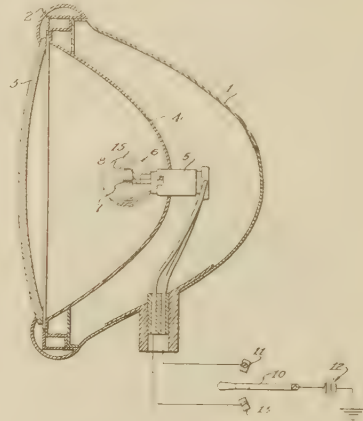
1,460,510. PRESERVING COMPOUND FOR PISTACHIO NUTS. SALIM F. ZALOUM, New York, N. Y., assignor to Royal Nut Company, a Corporation of New York. Filed June 21, 1922. Serial No. 569,972. 4 Claims. (Cl. 99—1.)

3. A compound for application to pistachio nuts comprising the following ingredients in substantially the

proportions specified, namely, 100 pounds sodium chloride, 2 pounds gum arabic and 40 gallons of water.

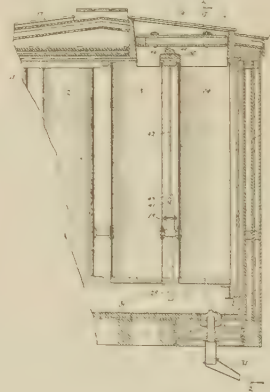
4. The method of treating pistachio nuts which consists of spraying them with an aqueous solution of sodium chloride and gum arabic while the nuts are passing through a roaster.

1,460,511. HEADLIGHT. JAMES M. RICHARDSON, Highland Park, Mich., assignor to Tulite Auto Bulb Company, New York, N. Y., a Corporation of Michigan. Filed Aug. 28, 1919. Serial No. 320,406. 2 Claims. (Cl. 240—48.6.)



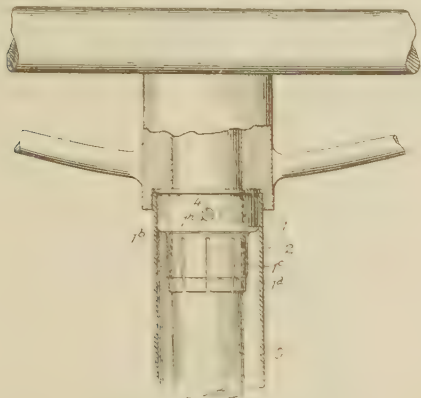
1. A vehicle head light comprising a reflector having a focal center, a bulb having two filaments, the first of which is located approximately at the focal center and the second a distance from the first but in approximately the same vertical plane, said bulb being frosted over its front surface and back sufficiently far to diffuse all direct rays visible from the front and all reflected rays except enough to make a small central concentrated beam of light.

1,460,512. REFRIGERATOR CAR. GEORGE T. ROHRBACK, Buffalo, N. Y. Filed Dec. 26, 1922. Serial No. 608,902. 3 Claims. (Cl. 62—19.)



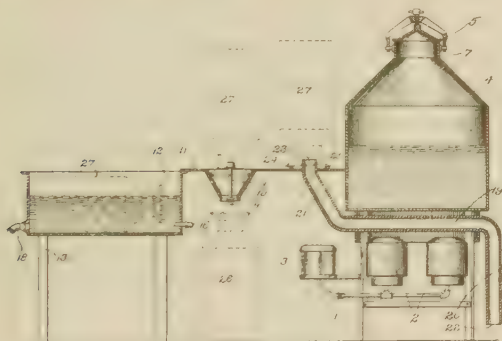
1. In a refrigerating car, the combination of a tank having an outlet, a valve controlling the outlet, and including an upright casing, a valve seat therein, a valve plug for said seat, a valve stem connecting with said plug and projecting upwardly through the casing, an overhead support, a fulcrum bracket on the support and having upwardly opening bearings with a passage between them, a lever bifurcated at one end, having integral trunnions mounted in the bearings and an integral pintle between the furcations, a hook rod for detachably connecting the pintle and the valve stem and resilient means for seating said valve and for preventing accidental disengagement of said hook rod.

1,460,513. ANTIRATTTLING BUSHING. DAVID E. ROSS, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a Corporation of Indiana. Filed May 24, 1922. Serial No. 563,422. 19 Claims. (Cl. 74—39.)



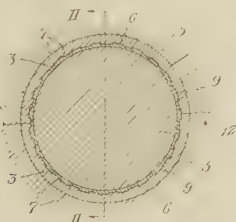
1. A bushing adapted to be mounted in the casing of a steering post and surround the steering shaft and having spring fingers adapted to engage the steering shaft, for the purpose specified.

1,460,514. CAN-STERILIZING APPARATUS. RICHARD SEGGERMAN, Fairbury, Nebr. Filed June 13, 1921. Serial No. 477,077. 3 Claims. (Cl. 141—7.)



1. A device of the class described comprising a wash tank and a steam generator spaced one from the other, a table bridging the gap between them and supported by the wash tank and steam generator, a funnel-shaped can-receiving member in the table, a steam nozzle extending through the funnel shaped member and connected to the steam generator, and means for controlling the steam admitted to the steam nozzle.

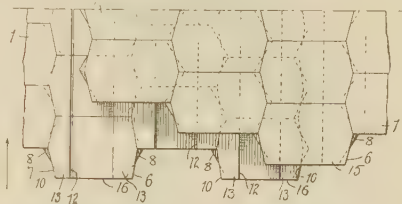
1,460,515. BEARING AND METHOD OF MAKING SAME. HARRY SELKER, Cleveland, Ohio, assignor to The Buckeye Brass and Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 29, 1921. Serial No. 504,147. 4 Claims. (Cl. 29—149.5.)



1. A method of manufacturing bearings consisting in, preparing the inner surface of a shell-like metallic

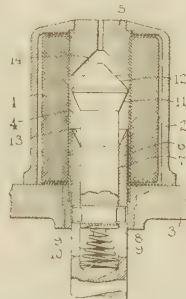
supporting member for receiving and retaining a babbit coating, by forming longitudinal slots therein, and covering with amalgamating material; and, then, locating the babbit.

1,460,516. BUILDING CONSTRUCTION. MILTON ROY SHEEN, Philadelphia, Pa. Filed Apr. 30, 1920. Serial No. 377,756. 6 Claims. (Cl. 81—45.)



1. A building block having opposite end edge surface, converging side edge surfaces adjacent to each of said end surfaces, a tongue formed on each side edge surface extending throughout a portion of the length of the said side edge surface, and said block having a groove formed in each side edge surface extending throughout the portion thereof not occupied by the tongue, said blocks adapted to be forced endwise into a structure formed of similar blocks placed edge to edge.

1,460,517. ELECTROMAGNET. WILLIAM C. STEVENS, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 22, 1918. Serial No. 230,014. 9 Claims. (Cl. 175—34.)

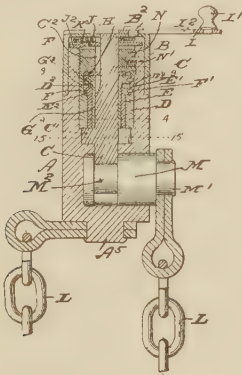


1. An electromagnet comprising a winding and relatively movable magnetic parts to be attracted thereby axially thereof, one of said parts having portions of different cross sectional areas adapted to provide in conjunction with the other of said parts a magnetic path for a portion of the magnetic flux of said winding including a plurality of air gaps bearing a series relation and to also provide a magnetic path for another portion of the magnetic flux of said winding exclusive of certain of said air gaps.

1,460,518. LOCK. PAUL SZYDLOWSKI, Detroit, Mich. Filed May 8, 1922. Serial No. 559,224. 11 Claims. (Cl. 70—19.)

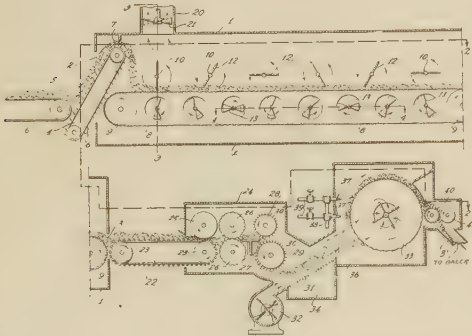
1. In a device of the character described; an enclosing case; a rotatable cap fitted to one end of the case provided with a plurality of graduations adapted to co-ordinate with indicating means on the enclosing case; a manually rotatable and longitudinally movable bolt secured to the cap having a laterally extending tongue; a washer keyed to the bolt having a lug adapted to engage any of a plurality of serrations formed in the wall of the enclosing case; a spring located between the rotatable cap and the washer; a plurality of rotatable co-ordinating tumblers housed in the case severally provided with slots adapted to be brought into registration with each other; means carried by the bolt adapted to rotate one of the tumblers and thereby the co-operating tumblers, whereby the slots of the respective tumblers may be

brought into registration with each other to receive the tongue projecting from the bolt, and a co-acting



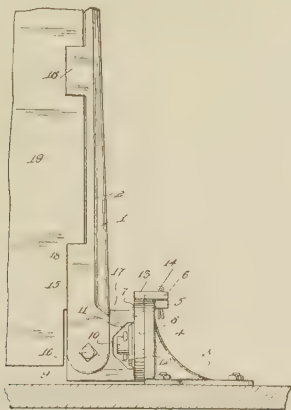
member adapted to receive the end of the bolt when longitudinally actuated, whereby a locked condition may be obtained.

1,460,519. PROCESS OF CLEANING AND CONDITIONING COTTON FOR SPINNING. PHILIP C. WADSWORTH, New York, N. Y., assignor to Coton Corporation, New York, N. Y., a Corporation of New York. Filed June 6, 1921. Serial No. 475,212. 11 Claims. (Cl. 19—66.)



3. In the art of treating lint cotton, the process which consists in partially dehydrating the cotton of its natural moisture after it has been ginned, cleaning such cotton while in dehydrated condition, and subsequently restoring the natural moisture to the cleaned cotton.

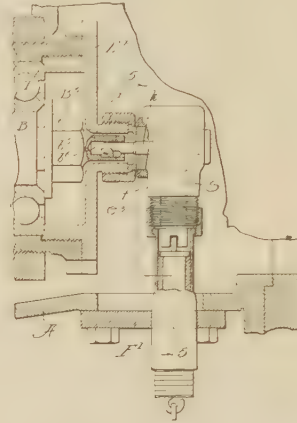
1,460,520. SIGN AND ITS SUPPORT. WILLIAM J. WARK, Columbus, Ohio. Filed Mar. 22, 1922. Serial No. 545,632. 4 Claims. (Cl. 40—125.)



1. In a sign the combination of base members adapted to be rigidly secured in spaced relationship, sign hold-

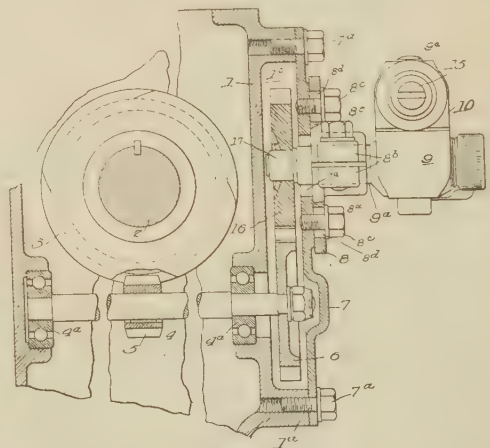
ing standards movably connected with said base members, and means whereby said standards may be swung laterally or longitudinally to horizontal positions.

1,460,521. TRANSMISSION DRIVE FOR MOTOR-VEHICLE INSTRUMENTS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 17, 1922. Serial No. 544,648. 4 Claims. (Cl. 74—7.)



1. In a motor vehicle having a transmission casing at the rear of the motor, and a longitudinal propeller shaft of which the forward member is journaled in the transmission casing and is exposed at the forward side thereof; a supplemental housing member applied onto the forward side of the transmission casing around the exposed end of said propeller shaft member; a pair of intermeshed driving and driven spiral gears and a casing within which they intermesh, the margin of the opening in the supplemental housing and the spiral gear casing having the one a male and the other a female terminal adapted for engagement to close the opening in the supplemental housing, and means for engaging the driving gear of said pair with the propeller shaft when said terminals are engaged.

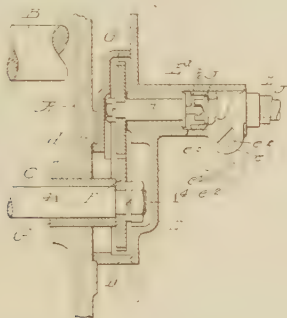
1,460,522. TRANSMISSION DRIVE FOR SPEEDOMETERS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 3, 1922. Serial No. 549,192. 5 Claims. (Cl. 74—7.)



1. In an automobile vehicle in combination with a transmission casing, a transverse power driven shaft

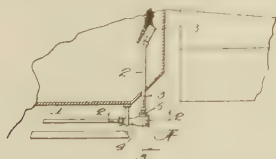
journalled therein and protruding therefrom; a gear demountably carried on the protruding end of said shaft; a supplemental housing member applied on the side of the casing through which said shaft protrudes enclosing said gear; a gear housing and intermeshing gears and their respective shafts therein demountably mounted on the supplemental housing with one of the shafts protruding thereinto, and a gear demountably carried by said last mentioned shaft meshing with the first mentioned gear in the supplemental housing.

1,460,523. TRANSMISSION DRIVE FOR SPEEDOMETERS AND THE LIKE. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 3, 1922. Serial No. 549,193. 4 Claims. (Cl. 74—7.)



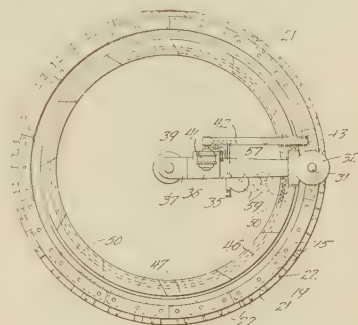
1. In combination with a transmission casing and a power shaft journalled therein and protruding at one end therefrom; a supplemental gear housing mounted against the outer side of the frame enclosing said protruded shaft; a cover plate for said housing mounted slidably on the supplemental housing; a driven shaft journalled in said cover plate intruding at one end into the housing chamber, and accessible at the other end for coupling, and a pair of intermeshing gears demountably mounted on said protruding and intruding shaft ends respectively.

1,460,524. ANGLE GEAR-HOUSING ADAPTER FOR FLEXIBLE SHAFTS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 3, 1922. Serial No. 549,194. 2 Claims. (Cl. 74—7.)



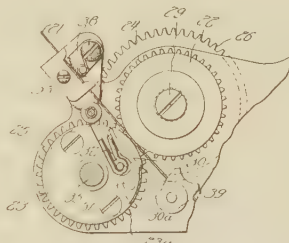
1. An angle-formed gear housing for interposing in a flexible shaft connection and the like, comprising an integral casing having its arms at an angle to each other, both axially chambered, said chambers intersecting and merging at the angle, one of said arms having a chamber extending throughout its full length and enlarged at the end outside the angle for admitting a gear onto the shaft therein, and being restricted in diameter at the further side of the intersection to form a shoulder for stopping said gear without journaling the shaft adjacent to the gear, said chamber being enlarged taperingly from said restriction toward the end of the arm, and provided with a journal bushing for the shaft in the end.

1,460,525. CIRCULAR-MILLING MACHINE. ALGOT A. WICKLAND, Chicago, Ill., assignor to Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich., a Corporation of Michigan. Filed Mar. 25, 1922. Serial No. 546,601. 10 Claims. (Cl. 90—15.)



1. The combination in a surfacing machine of a vertical post imbedded in a concrete foundation, an arm revolvable about said post, a stationary annular support concentric with said post, said support comprising a plurality of segments anchored in a concrete foundation, means on said arm engaging said support, a stationary annular work table secured in a concrete foundation, a cutting tool on said arm adjacent said table, and means for revolving said arm.

1,460,526. WIRE STITCHER. JOHN WOLF, Cicero, and MARTIN BURGER, Chicago, Ill., assignors, by mesne assignments, to Ideal Stitcher & Mfg. Co., Chicago, Ill. Filed Sept. 13, 1919. Serial No. 323,658. 12 Claims. (Cl. 140—131.)

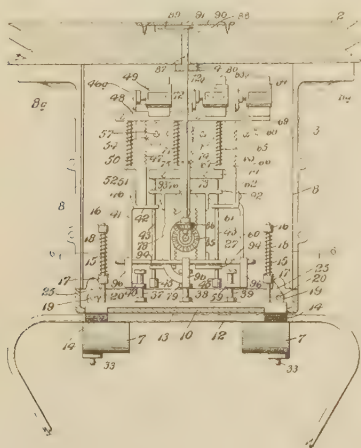


1. In a wire stitcher, wire feed mechanism comprising a pair of continually rotating feed rollers having opposed peripheral feed edges between which the wire is fed, with means for effecting an intermittent feeding of the wire by said rollers, said means including a metallic yielding mounted peripheral edge of one of the rollers.

1,460,527. POOL-TABLE REGISTER. CARL ABSMEIER, Grand Rapids, Mich. Filed Sept. 17, 1921. Serial No. 501,336. 6 Claims. (Cl. 235—91.)

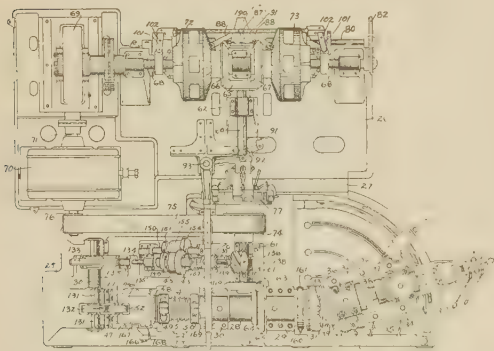
1. In combination, a casing, a plurality of registering counters located within the casing, said casing having openings to show the numbers on the counters, a plurality of vertically reciprocable bars mounted for vertical movements within the casing, one for each counter, means connecting the bars with the counters to operate the same on movements of said vertical bars, a latch bar located within the casing horizontally above the bottom of the casing, said latch bar having locking dogs projecting therefrom through the bottom of the casing,

means normally holding the latch bar in lower position, lugs located under the bottom of the casing on which a pool ball rack may be placed back of the locking dogs, means operatively connecting each of the vertical bars



with the latch bar to elevate the latch bar on upward movement of any one of the vertical bars, and means for individually elevating the vertical bars, substantially as described.

1,460,528. APPARATUS FOR ROLLING GEARS BY A NEW METHOD. HAROLD N. ANDERSON, Cleveland, Ohio. Filed Sept. 17, 1920. Serial No. 410,866. 35 Claims. (Cl. 80-16.)

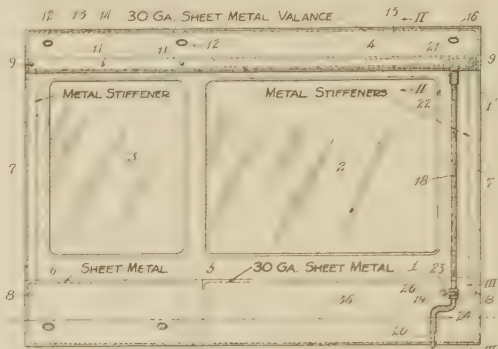


12. In a machine for rolling gears, a gear blank holder, a shaft arranged to rotate in one direction, means driven by said shaft for rotating the holder alternately in both directions, means also driven by said shaft for rotating the holder continuously in one direction, a manually operable lever whereby one or the other of said means is put into operation and means whereby putting either into operation before operation of the other is suspended or prevented.

1,460,529. AUTOMOBILE INCLOSURE. GEORGE E. BISHOP, Cleveland, Ohio. Filed Jan. 20, 1922. Serial No. 530,574. 10 Claims. (Cl. 296-139.)

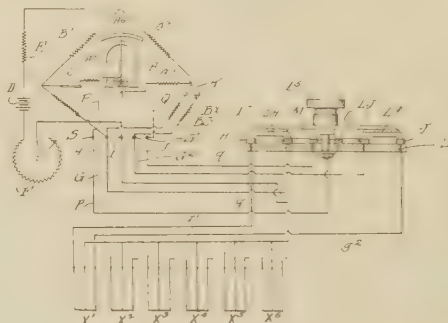
1. An automobile side inclosure adapted to be mounted upon the automobile door, comprising suitable curtain fabric; metallic strengthening means for said fabric; means for mounting the inclosure upon the door, said

mounting means being connected to the fabric adjacent the upper edge of the latter; and mounting-receiving and



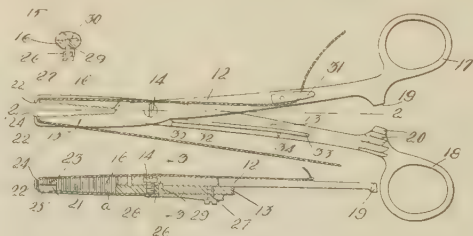
securing means secured to the fabric adjacent the lower edge of the latter, the mounting being turnable in said last-mentioned means.

1,460,530. METHOD OF AND APPARATUS FOR MEASURING ELECTRICAL RESISTANCES. RICHARD P. BROWN and CHARLES P. FREY, Philadelphia, Pa., assignors to Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 31, 1920. Serial No. 407,231. 4 Claims. (Cl. 175-183.)



1. In apparatus for successively measuring the resistance of a plurality of resistance elements comprising a Wheatstone bridge circuit, means for establishing a potential difference between one pair of bridge leg junctions, a deflecting galvanometer connected between the other pair of bridge leg junctions, the improvement which consists in switch mechanism for successively cutting the different resistances into and out of the bridge circuit and including provisions for rendering the galvanometer inoperative during the period in which one resistance is being replaced by the other.

1,460,531. HEMOSTATIC FORCEPS. JOHN F. CALLAHAN, Brockton, Mass. Filed Feb. 18, 1921. Serial No. 445,949. 14 Claims. (Cl. 128-322.)



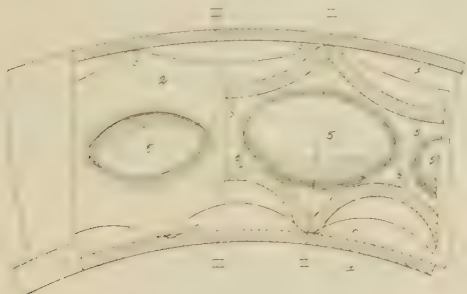
1. Hemostatic forceps having gripping jaws, and such jaws being provided with runways in their gripping faces adjacent to but back from the extremities of the jaws, said runways being adapted to contain a ligature cord and to guide a loop formed in such a cord to the substance gripped between the jaws.

1,460,532. DOUBLE-REDUCTION DRIVE FOR MOTOR VEHICLES. HARRY D. CLARKE, Plattsmouth, Nebr., assignor to The Ohio Tractor Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 14, 1919. Serial No. 282,655. 2 Claims. (Cl. 74—7.)



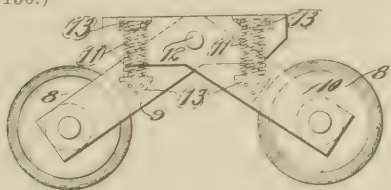
1. A differential including a housing, load carrying axles carried by said housing, wheels journaled on said axles, drive axles journaled in said housing and in a plane above and in vertical alinement with said load carrying axles, means connecting the drive axles to the wheels, and a power shaft driving said drive axles and located in a horizontal plane with the load carrying axles.

1,460,533. COMPRESSION INNER TUBE FOR TIRES. GEORGE R. COLBY, Portland, Oreg. Filed Sept. 17, 1921. Serial No. 501,303. 4 Claims. (Cl. 152—13.)



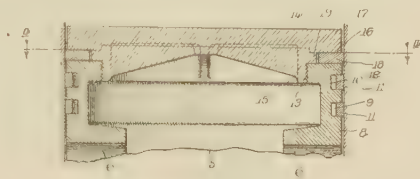
1. An inner tube for pneumatic tires having, in deflated condition, a contour to fit the inside of a shoe and provided throughout its entire area with a plurality of circumferentially extending series of indentations, which indentations, upon inflation of the tube within a tire, are forced outwardly by the filling air to compress the remainder of the tube mass, said series being separated by passive areas adapted normally to contact with the inside of the tire shoe, the passive areas being substantially continuous in straight lines circumferentially of the tube.

1,460,534. MONORAIL TRANSPORTATION SYSTEM. FREDERICK R. CORNWALL, St. Louis, Mo. Filed July 14, 1922. Serial No. 574,947. 5 Claims. (Cl. 105—150.)



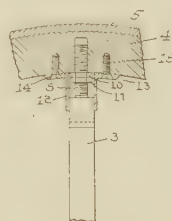
1. In a monorail carrier, a truck comprising tandem wheels, individual wheel pieces each journaled at one end on one of said wheels, crossing each other and having a pivotal interengagement at their crossing points, means supporting the opposite end of each wheel piece on the other wheel piece, and a load carrying member suspended from the point of interengagement of said wheel pieces.

1,460,535. PISTON. DAVID P. DAVIES, Racine, Wis., assignor to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation. Filed Mar. 9, 1921. Serial No. 450,833. 2 Claims. (Cl. 74—108.)



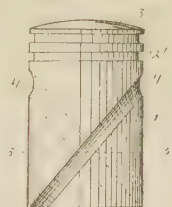
1. In a piston for motors, a skirt section having flanges at its upper end forming a piston ring retaining groove, and a follower-block secured to said skirt section and having a flange spaced from the top flange of said skirt section, said flanges forming a groove larger than said first-mentioned groove for the reception of an enlarged piston ring.

1,460,536. SPOKE. LYNDON DEAN, Taloga, Okla. Filed Apr. 10, 1922. Serial No. 551,114. 2 Claims. (Cl. 301—70.)



2. The combination with a vehicle wheel, of a means for compensating for irregularities between the rim band and felly of the wheel and for adjusting spokes with respect to the hub and felly of the wheel, comprising a wheel in which the spokes thereof terminate a distance from the felly, a ferrule on the end of each spoke having a bolt extension freely received in the felly, a binding nut and a locking nut on each bolt, the former in contact with the felly, and a socket removably secured to the felly surrounding the nuts and receiving therein a portion of the ferrule.

1,460,537. ENGINE PISTON. ROBERT L. DEWAR, Grand Rapids, Mich. Filed July 1, 1921. Serial No. 481,866. 1 Claim. (Cl. 74—108.)

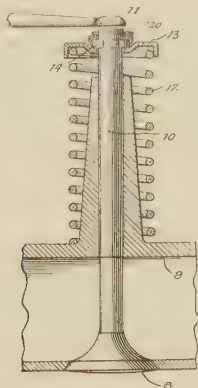


In an engine piston having an annular body with ring grooves formed in it near the upper end, and an annular wall extending downwardly therefrom, inwardly inclined concavo-convex offsets formed from a line below the ring grooves and extending partly around the wall of the piston to its open end forming concave grooves in the outer surface of the piston and rendering this end of the piston slightly compressible, and producing air compression for properly distributing the oil around the piston.

1,460,538. LOCKING DEVICE FOR MOTOR VALVES. LUCIAN F. EASTON, La Crosse, Wis. Filed Aug. 20, 1921. Serial No. 493,975. 4 Claims. (Cl. 251—134.)

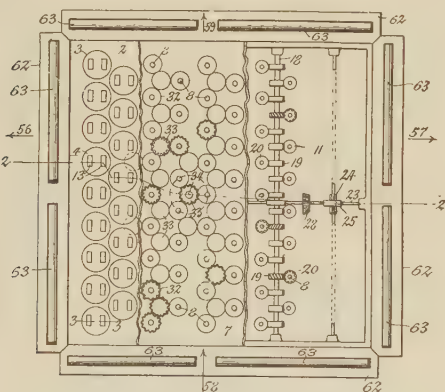
4. The combination with a valve having a stem provided with a groove, a casing, a spring held by the cas-

ing at one end applied to shift the valve in one direction and a head on the stem serving as an abutment for the other end of the spring, of a member on the outer end of said head, formed to interlock with the stem so as to be held against longitudinal movement thereon and



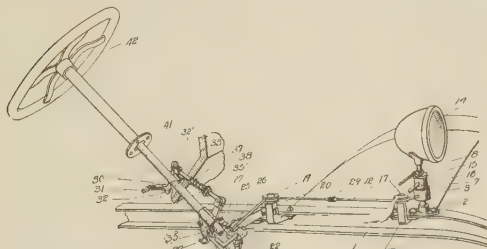
having an open-ended slot to permit it to be placed transversely around the stem and fitting in said groove, and a ring-member extending around the stem and formed to close said slot and secure said member against transverse displacement from the stem, one of said members having a recess in which the other is held.

1,460,539. CONVEYING APPARATUS. BRUCE V. EDWARDS, Newark, N. J., assignor to William L. Leary, Chicago, Ill. Filed May 8, 1919, Serial No. 295,575. Renewed Oct. 2, 1922. Serial No. 591,972. 11 Claims. (Cl. 198—20.)



1. A turning conveyor comprising a turret turning about a vertical axis, and a supporting roller pivoted on said turret to turn about a horizontal axis, means for adjusting said turret, and means for rotating said roller.

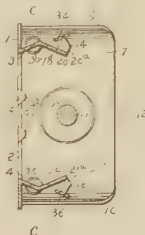
1,460,540. DIRIGIBLE HEADLIGHT. PERCY J. ELEDGE, Cleveland, Mo. Filed Feb. 27, 1922. Serial No. 539,454. 6 Claims. (Cl. 240—62.)



1. In combination with a motor vehicle, a dirigible headlight mechanism comprising a headlight turning

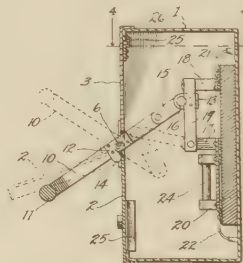
spindle, a motor for operating it in one direction, a flexible cable for operating it in another direction, a shiftable link member on one end of the flexible cable, a shifter for said link member, and a member-engaging hook on the steering gear of the motor vehicle adapted to engage the member when it is in one position and to disengage therefrom when it is in another position.

1,460,541. SHEAVE-BEARING HOUSING. JAMES H. FOOTE, Cincinnati, Ohio. Filed Jan. 30, 1922. Serial No. 532,776. 6 Claims. (Cl. 16—211.)



1. A sheave bearing housing consisting of a sheave, a supporting element to which said sheave is journaled, adapted to fit into an aperture in a mounting frame, a face plate provided with a centrally disposed opening for the passage of the sheave and with means to engage the mounting frame, spacers for the side walls of the supporting element carried by and connecting said face plate to said supporting element, each of a plurality of said spacers being provided with a flexible extension, and means associated with said extension to releasably engage the mounting frame and, in cooperation with the face plate, lock the housing to said frame.

1,460,542. SWITCH. ANDREW E. GRISWOLD, Seattle, Wash. Filed Apr. 20, 1921. Serial No. 462,818. 4 Claims. (Cl. 200—50.)



2. A safety switch of the character described comprising in combination, a switch housing provided at the front with an outwardly opening door, spaced apart hinges having the sections thereof fixed to said housing and to said door, a single hinge pin extended through and pivotally connecting the sections of both hinges, a switch mechanism within the housing and a handle operatively connected for operating the said switch mechanism, pivotally mounted on said hinge pin between the said hinges.

1,460,543. AUTOMATIC STOP FOR PHONOGRAPHS. MARIUS E. GRISWOLD, Burlington, Iowa. Filed Feb. 7, 1921. Serial No. 442,926. 15 Claims. (Cl. 192—122.)

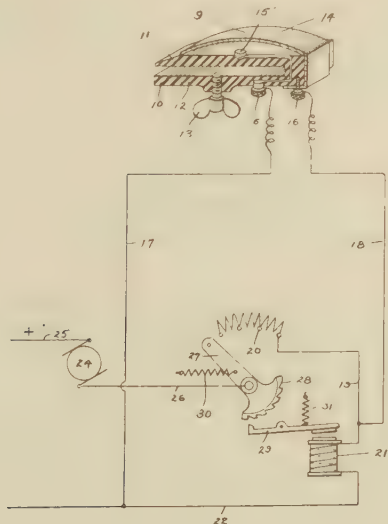
1. In a phonograph, the combination with a revoluble turn-table, of an automatic stop mechanism for said turn-table, means revoluble with said turn-table for actuating said mechanism, and adjustable means movable

independently of said mechanism to cause the same to stop said turn-table at the completion of a predetermined number of revolutions of said turn-table.



3. In a phonograph, the combination with a revoluble turn-table, of an index pointer, a dial, automatic stop mechanism controlled by said pointer and movable independently thereof to stop said turn-table at the completion of a number of revolutions determined by the relative position of said pointer and dial, and means revoluble with said turn-table for actuating said stop mechanism.

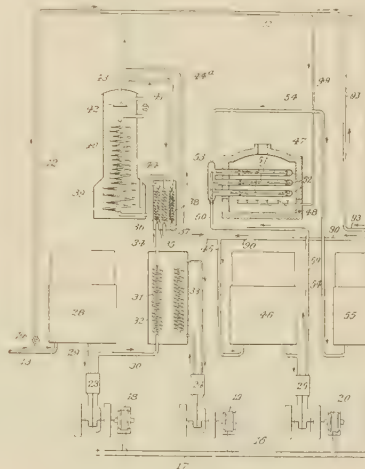
1,460,544. SWITCH ATTACHMENT FOR FOLDING MACHINES. LOAMMIE A. GUTRIDGE and FRANK M. MOSIER, Columbus, Ohio, assignors, by direct and mesne assignments, of one-third to said Gutridge and two thirds to G. N. Slonaker, Columbus, Ohio. Filed Jan. 20, 1921. Serial No. 438,547. 2 Claims. (Cl. 192-127.)



1. In a paper folding machine, in combination, a guide structure for directing paper through said machine, a switch attachment comprising inner and outer walls adapted to detachably engage therebetween a part of the guide structure, said attachment being positioned so that a circuit therethrough will be closed when paper is clogged within said guide structure, a motor for operating said machine, a starting switch for said motor, and circuit connections between said starting switch and said

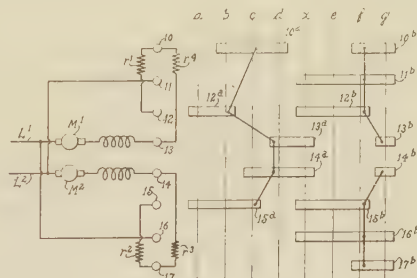
switch attachment, whereby upon the closing of the circuit governed by said switch attachment, said motor switch will be opened to arrest current flow through said motor.

1,460,545. PRODUCTION OF ETHYLENE. PIERRE E. HAYNES, Buffalo, N. Y., and GEORGE O. CURME, Jr., Pittsburgh, Pa., assignors to The Linde Air Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 9, 1918. Serial No. 221,407. 2 Claims. (Cl. 260-170.)



1. A process of forming ethylene from gaseous hydrocarbon mixtures containing ethane, which comprises the steps of isolating ethane from the mixture in a state of substantial purity and heat treating the ethane under substantially optimum conditions for the production of ethylene.

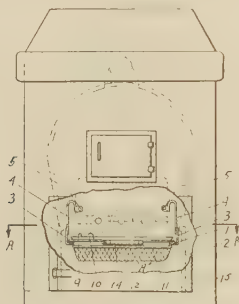
1,460,546. DRUM CONTROLLER. RICHARD B. HUNTER, Milwaukee, Wis., assignor to The Cutler Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 19, 1920. Serial No. 397,374. 8 Claims. (Cl. 172-179.)



2. A series parallel drum controller comprising a plurality of contacts and a plurality of segments, the latter being arranged in three electrically independent groups, two of said groups of segments being jointly co-operable with certain of said contacts to effect all the parallel circuit connections provided by the controller and the third set of segments being co-operable with certain of said contacts to effect all the series circuit connections,

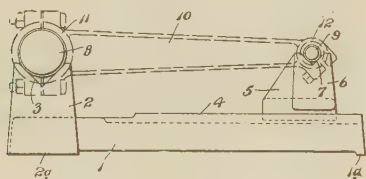
certain of said segments being arranged to maintain continuity of circuit during series parallel commutation, the number of said contacts being not greater than the number of operative positions of the controller.

1,460,547. FURNACE-ASH-PIT SCREEN SIFTER. JOHN JIRASEK, Detroit, Mich. Filed Feb. 1, 1923. Serial No. 616,362. 3 Claims. (Cl. 83—60.)



1. An ash pit screen sifter of the character described, comprising a wire screen basket, angle slides for the sides of said basket, means for attaching said slides to the basket, a support slide frame for holding the basket in place beneath the fire grates of the furnace supports for attaching said frame permanently to the walls of the ash pit and means for operating said sifter for separating the coal from the burned ashes.

1,460,548. CONNECTING-ROD-TESTING APPLIANCE. ARTHUR J. KOON, JOHN HOOGERHYDE, and JAMES E. COLLINS, Grand Rapids, Mich.; said Koon assignor to said Hoogerhyde and said Collins. Filed Nov. 21, 1921. Serial No. 516,631. 3 Claims. (Cl. 33—180.)

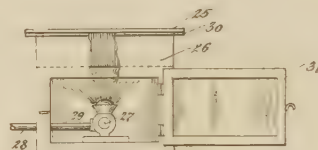
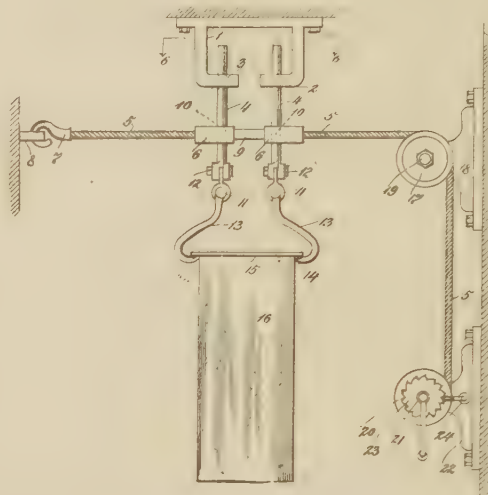


1. An appliance of the class described, comprising an elongated base having parallel guide ways at one end portion extending longitudinally of the base and formed at its other end with two spaced apart, upwardly projecting posts having V-shaped recesses cut in the upper ends thereof, said recesses being in alignment and extending at right angles to said guide ways, and a block slidably mounted on said guide ways, said block having two spaced apart upwardly projecting posts formed therewith, said posts having V-shaped aligned recesses cut in the upper ends thereof, said last-named V-shaped recesses being parallel to said first-named V-shaped recesses, substantially as and for the purposes described.

1,460,549. DEVICE FOR SOLDERING ICE CANS AND THE LIKE. WALTER W. LANGDON, Cincinnati, Ohio. Filed Dec. 26, 1921. Serial No. 524,813. 3 Claims. (Cl. 113—78.)

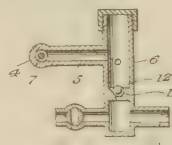
1. In a device for soldering ice-cans, a solder container, a pair of spaced apart arms each having an inturned ear provided with a vertical hole, a sliding rod mounted in

each of said holes and guided thereby, a flexible member adapted to support said sliding rods, means for raising



and lowering said sliding rods and tongs pivotally attached to said rods to detachably support an ice can, for the purposes set forth.

1,460,550. AIR-INLET DEVICE. JOHN H. LOGGINS, Fordyce, Ark. Filed May 3, 1921. Serial No. 466,394. 1 Claim. (Cl. 48—180.)

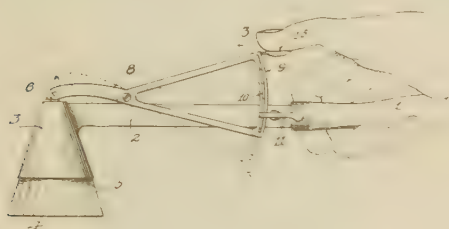


In an air inlet device for internal combustion engines, a nipple screwed in the intake manifold for the engine, a chamber connected to and communicating with the nipple, a needle valve controlling the passage through the nipple, a valve seat in the chamber adjacent to the bottom thereof, a ball valve for said seat, a branch pipe communicating with the chamber below the valve seat, a pipe connected thereto and connected with the exhaust manifold of the engine, a second short pipe arranged opposite said last mentioned short pipe, communicating with the chamber below its valve seat, and a valve controlling the passage through the last mentioned short pipe.

1,460,551. ICE-CREAM DIPPER. WILLIAM G. LYMAN, Peoria, Ill. Filed Dec. 15, 1921. Serial No. 522,515. 15 Claims. (Cl. 107—48.)

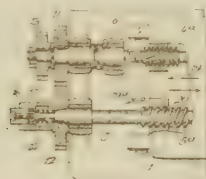
15. In a dipper of the type named, a dipping cup having walls adapted to expand and contract, a handle-portion including a head having a conical cavity to receive the cup, the latter adapted to expand and contract as it moves in contact with the walls of the cavity, a

lever fulcrumed on the handle, a portion connecting the lever with the cup within the head, a spring adapted to



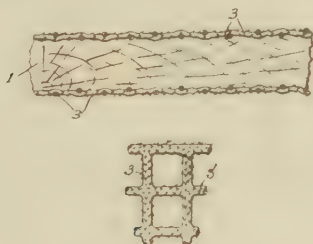
move the cup outwardly, and means on the handle to station the lever at a desired position against the tension of the spring and for releasing the same.

1,460,552. DRAG-SPINDLE GEAR. MAX MAAG, Zurich, Switzerland. Filed Dec. 31, 1918. Serial No. 269,081. 13 Claims. (Cl. 74-36.)



2. A drag spindle gear, comprising a driven feed spindle, means interposing said spindle to permit a small amount of idle movement, a drag spindle geared to said feed spindle and a slipping clutch for the drag spindle.

1,460,553. SURFACE FOR PICTORIAL DISPLAY AND THE LIKE. CHARLES E. A. MERROW, Boston, Mass. Filed Feb. 16, 1921. Serial No. 445,576. 8 Claims. (Cl. 40-135.)

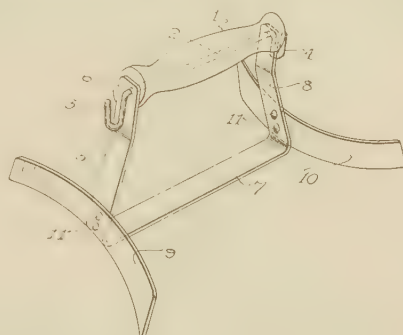


2. An object of the class described having an extended display surface of fibrous material and a metallic inlay embedded therein to prevent distortion of said display surface and consisting of intersecting members extending continuously across said surface and dividing it into a plurality of isolated surface units bonded together in the whole.

1,460,554. DEVICE FOR CARRYING BASKETS AND THE LIKE. MAX J. MOORE, Newark, N. J., assignor to Walter H. Collins, Summit, N. J. Filed Mar. 1, 1922. Serial No. 540,215. 9 Claims. (Cl. 224-45.)

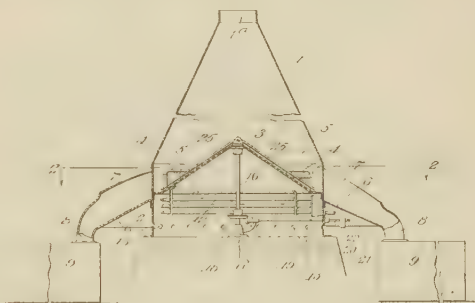
1. A carrier for fruit baskets and the like including in combination a handle, a device at either end thereof

adapted to engage with a basket and basket positioning and steadying members supported from the handle and



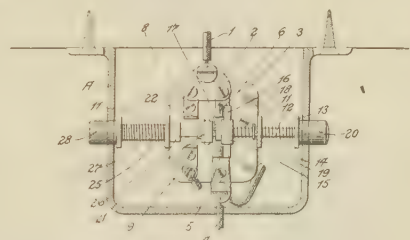
engaging the sides of the respective baskets at a lower level than said devices.

1,460,555. COTTON-BOLL-RIPENING APPARATUS. WENSEL MORAVA, Chicago, Ill. Filed July 19, 1920. Serial No. 397,527. 8 Claims. (Cl. 47-36.)



1. An apparatus for ripening cotton bolls, comprising a vertically-extended receptacle for containing a pile of the bolls; a heating means at the bottom of the receptacle; the receptacle having a charging opening at the top and a discharging opening at the bottom, and means for facilitating the discharge of the bolls from the bottom of the pile under the super-incumbent weight thereof.

1,460,556. OVERLOAD PROTECTIVE DEVICE FOR ELECTRIC MOTORS. EUGENE NEWMHAM, St. Louis, Mo. Filed Apr. 10, 1922. Serial No. 551,284. 12 Claims. (Cl. 172-179.)



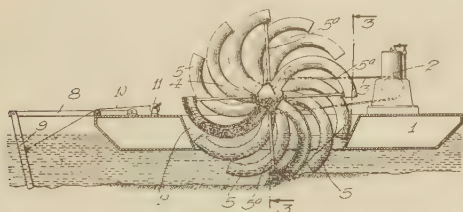
1. In a device of the class described, the combination of an electric circuit having a magnet coil therein, a second circuit leading directly to the apparatus to be operated, contact members for closing each of said circuits, an actuator for moving one of said contact members to close the circuit leading direct to the apparatus and for moving the other contact member to close the second circuit after the first named circuit is closed, and automatic means for releasing the first contact member after the circuit including the magnetic coil has been closed.

1,460,557. REINFORCED-THREAD EXPANSION SHIELD. JOHN EDWARD OGDEN, Mountainville, Cornwall, N. Y. Filed Jan. 11, 1921. Serial No. 436,492. 23 Claims. (Cl. 85—24.)



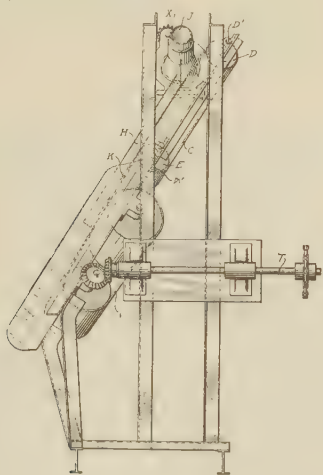
1. A tubular expansion shield having walls of substantially uniform thickness which are helically corrugated to form a threaded bore, said bore being gradually constricted in at least one plane which includes the axis of the shield, and reinforcing open bends in the metal near the plane of said constriction.

1,460,558. DREDGER. ARTHUR O. OGDEN, National City, Calif. Filed Nov. 22, 1920. Serial No. 425,738. 7 Claims. (Cl. 37—70.)



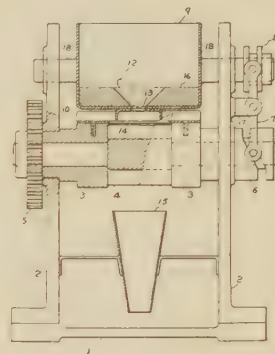
1. A dredger, including an outwardly extended revolving mounted tubular axle positioned substantially above the ground to be removed, a plurality of curved digging and conducting members communicating with the interior of said axle and means for revolving said tubular axle together with said curved digging and conducting members.

1,460,559. PINEAPPLE-SHELL-FEEDING DEVICE. HUGH F. OPPERMAN, Honolulu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif., a Corporation of New York. Filed May 31, 1922. Serial No. 564,683. 13 Claims. (Cl. 146—11.)



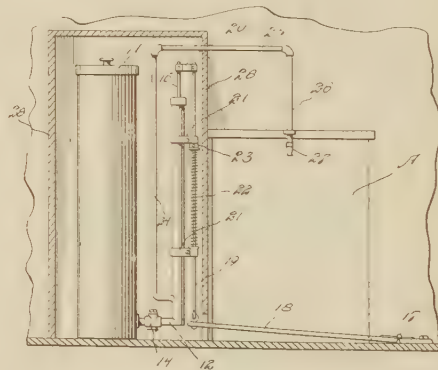
1. The combination with a rotary sizing head of a pineapple sizing machine and a pineapple meat eradicator, of means for automatically transferring pineapple shells from the periphery of the sizing head to the meat eradicator.

1,460,560. FEEDER FOR KERNEL-BLANCHING MACHINES. GEORGE PARK, Bayonne, N. J. Filed Dec. 23, 1921. Serial No. 524,548. 1 Claim. (Cl. 146—14.)



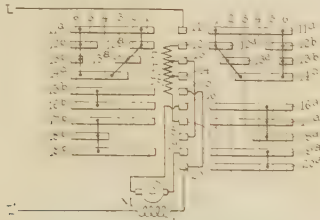
In a feeder for a blanching machine, the combination with a vibrating feeder having a hole therethrough, a filling block resting therein having a conical aperture therethrough, an escapement secured thereunder having a hole therethrough and members subtending therefrom for the controlling and regulating of the kernels, of a rotating cylindrical distributor having slots thereon, a bridge, having a slot therethrough and sides thereon, interposed between said vibrating feeder and said rotating cylindrical distributor for the reception of kernels passing from the one to the other.

1,460,561. HOG OILER. CLARENCE N. PETERSON, Polk, Nebr. Filed Oct. 11, 1921. Serial No. 506,958. 2 Claims. (Cl. 119—159.)



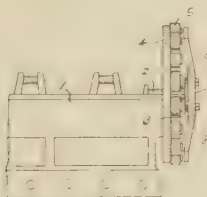
1. A hog treating device comprising a tank, a pipe communicating with the lower portion thereof and extending upwardly whereby to constitute a pump cylinder, an outwardly opening check valve at the juncture of said pipe with the tank, a piston removably mounted within the pipe and having a piston rod extending above the end of the latter, a treadle hinged within the doorway of a hog house, a rod pivotally connected with the free end of the treadle and extending upwardly above the end of said pipe and connected with said piston rod, and a spring normally holding said treadle elevated and a discharge pipe communicating with said first named pipe beyond the check valve therein and extending upwardly with its upper end laterally extended and then extended downwardly and terminating in a discharge nozzle located above said treadle.

1,460,562. MOTOR CONTROLLER. CHARLES W. YERGER, Milwaukee, Wis., assignor to The Cutler Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 23, 1919. Serial No. 305,966. 5 Claims. (Cl. 172—179.)



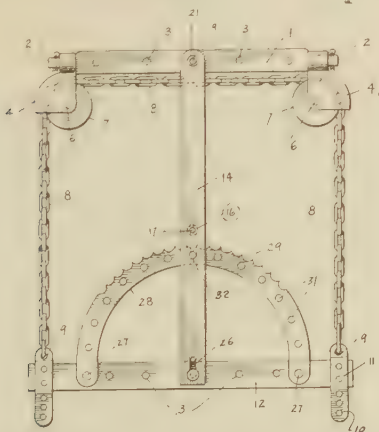
3. In a motor controller, in combination, a plurality of series connected resistance sections and a contact drum having co-operating contacts to effect reversals of the motor, to exclude certain of said resistance sections from circuit, and to thereafter parallel certain of said resistance sections, certain of said contacts functioning both for motor reversals and resistance control.

1,460,563. GAUGE. SIDNEY E. ALLWRIGHT, Houston, Tex. Filed Sept. 28, 1922. Serial No. 591,068. 1 Claim. (Cl. 33—180.)



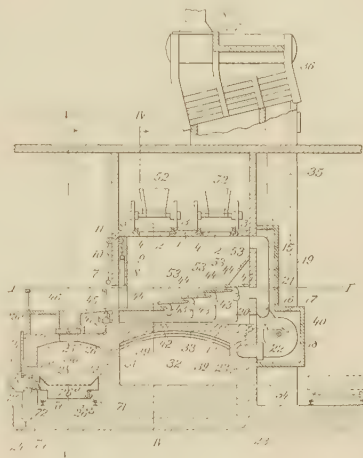
A one-piece gauge formed with a central plate having a circular socket and radiating arms carried by said plate the free ends of said arms being formed with smooth faces lying in a plane perpendicular to the axis of said circular socket.

1,460,564. DRAFT MEANS. RAYMOND T. ASHLEY, Reno, Nev. Draft Mar. 20, 1922. Serial No. 545,223. 3 Claims. (Cl. 280—33.44.)



1. A draft device for interposition between a tractor and an implement comprising a reach member disposed lengthwise with respect to the line of pull or draft, a pair of transverse bars pivoted to said reach, sheaves on one of said bars and positioned on opposite sides of said reach, and a substantially U-shaped flexible member reeved through said sheaves and secured at the ends thereof to the other of said bars and adapted, when one of said bars is rotated on its pivot, to rotate the other bar to a like degree in the opposite direction.

1,460,565. APPARATUS FOR THE DESTRUCTION OF REFUSE. ROBERT BALMER, Toronto, Ontario, Canada. Filed Oct. 18, 1919. Serial No. 331,669. 21 Claims. (Cl. 110—8.)

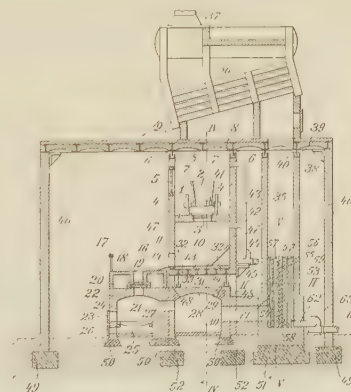


1. In a refuse destructor, a plurality of traveling units each comprising a grate and an enclosed ash pit integral therewith, a blower for supplying a preheated gaseous mixture to each ash pit during its periods of rest, and propelling means for moving said units intermittently.

8. In a refuse destructor, a series of storage bins and a combustion chamber below said bins, the crown of said chamber being of decreased thickness underneath each successive bin.

21. In a refuse destructor, a series of storage bins, means for supplying air under pressure to said bins; heating chambers below said bins, valved intakes for supplying cold air to said heating chambers when desired; pipes from said air-compressor extending through said heating chambers to said bins; a primary combustion chamber below the level of said bins; a secondary combustion chamber beneath said heating chambers; a suction fan housed in a chamber communicating with said heating chambers, the said fan being flue-connected to each bin and to said combustion chambers, to withdraw gases from said bins and to deliver said gases to the combustion chambers as desired, and flues from said heating chambers to said fan.

1,460,566. REFUSE-DISPOSAL PLANT. ROBERT BALMER, Toronto, Ontario, Canada. Filed Dec. 24, 1921. Serial No. 524,794. 20 Claims. (Cl. 110—8.)



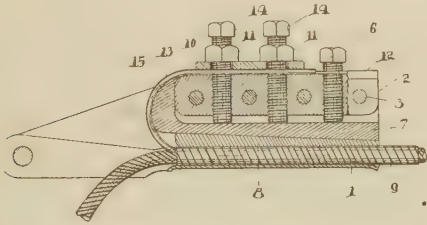
1. In a refuse destructor, a plurality of refuse-disposal elements comprising separate chambers disposed in vertical relation, within a common housing, the top of said

housing being supported independently of the supports for said chambers, and the supports for one of said chambers being independent of the supports for another of said chambers.

7. A refuse destructor having a plurality of floors, a refuse storage bin on an upper floor and a combustion chamber on a lower floor, an upwardly projecting partition upon one floor extending to an adjacent floor, and a downwardly projecting member depending from said adjacent floor adapted to engage in variable contact with said partition.

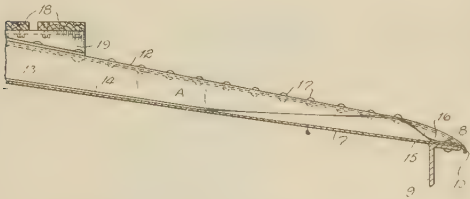
20. In a refuse destructor having a combustion chamber at a level below the dumping level, a tipping platform inclosed on two opposite sides by walls or partitions and by the overhead floor of a containing building and forming a passage, a joint between said walls and said floor affording a vibration-absorbing air-seal therebetween, and means adapted to control ventilation of the passage.

1,460,567. STRAIN CLAMP. THOMAS H. BARNARD, Toronto, Ontario, Canada. Filed Aug. 3, 1922. Serial No. 579,478. 12 Claims. (Cl. 24—135.)



1. In a strain clamp for cables, the combination of a channel-shaped casing; a bar lying between the sides of said casing; bolts passing through the sides of said casing and said bar to clamp the latter in position; a clamping bar below said first mentioned bar; and means engaging both sides of said bar for actuating said clamping bar to grip a cable.

1,460,568. CAR ROOF. CHARLES DAVID BONSALE, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1922. Serial No. 553,113. 20 Claims. (Cl. 108—5.4.)

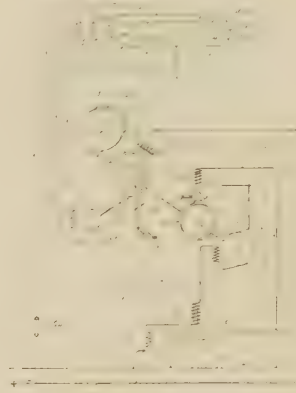


1. A car roof comprising a plurality of roof sheets whose side margins are connected together to form hollow seams having side walls of double thickness at the ridge and of single thickness adjacent to the eaves.

1,460,569. SYSTEM OF CONTROL FOR ELECTRIC ELEVATORS. PETER H. BRODESSER, Milwaukee, Wis. Filed Aug. 26, 1920. Serial No. 406,043. 14 Claims. (Cl. 172—152.)

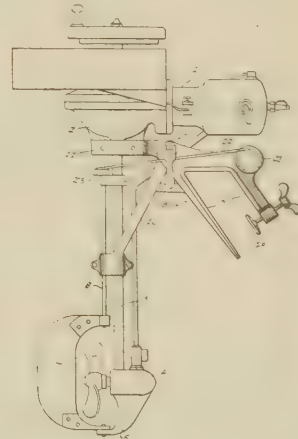
1. In a control apparatus for electric elevators provided with traveling devices adapted to be intermittently raised and lowered, the combination of a hoisting drum, a main motor operatively connected therewith, an auxiliary motor means operable from the traveling devices for energizing the auxiliary motor intermittently, and a

relatively stationary brake electrically energized to open upon the energization of either motor and to close after the deenergization of both motors and independently of either motor, whereby said motors may be repeatedly alternately connected to said hoisting drum.



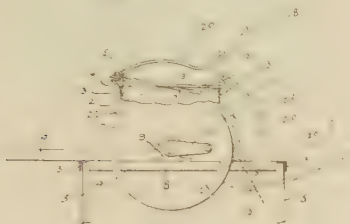
5. In combination, a hoisting drum, a main motor having its shaft operatively connected with said hoisting drum, an auxiliary motor having a loose connection with said main motor shaft, a clutch for operatively connecting the auxiliary motor to said shaft, electromagnetic means for controlling the operation of said clutch, and a contactor for controlling the operation of said electromagnetic means, said contactor having a control coil electrically connected in series with said main motor, whereby said electromagnetic means is placed directly under the control of said main motor and is thereby directly dependent upon the energization of said main motor.

1,460,570. OUTBOARD MOTOR. WILLIAM F. A. BUEHNER, Detroit, Mich. Filed Aug. 31, 1921, Serial No. 497,101. Renewed May 7, 1923. 6 Claims. (Cl. 115—18.)



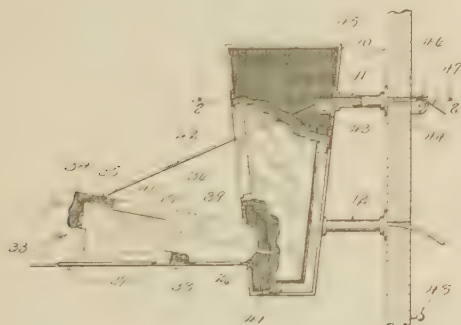
3. In an outboard motor wherein the motor is supported from a boat with the propeller in a position liable to encounter obstacles, means for supporting such motor so that it may yield when the propeller encounters an obstacle, said means including interlocking releasable members which hold the motor at any position to which it may be swung by its propeller encountering an obstacle, one of said interlocking members being fixed relative to the motor and adapted to rotate relative to the other member which is movable in a lateral direction from said rotatable member.

1,460,571. CONCRETE MIXER. BERT C. CAREY, Sioux City, Iowa, assignor of one-fourth to Frank P. Berger and one-fourth to Bayton F. Carey, both of Sioux City, Iowa. Filed Nov. 21, 1921. Serial No. 516,577. 5 Claims. (Cl. 83—73.)



1. A concrete mixer embodying a mixing receptacle having an upper opening and mounted to rock between normal and dumping positions, a guard grate normally extending across said opening and hinged to the receptacle to swing from the opening, and an element fixed, with respect to the receptacle, to be positively engaged by the grate when the receptacle is swung to dumping position, to swing the grate from the opening.

1,460,572. AUTOMOBILE SIGNAL. LEWIS H. CHARLING, Kenosha, Wis. Filed Mar. 14, 1922. Serial No. 543,559. 1 Claim. (Cl. 116—54.)

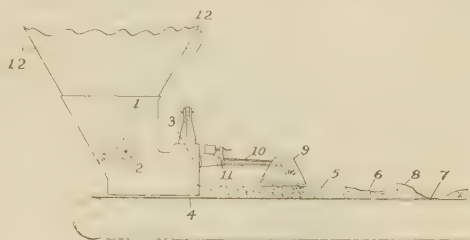


An automobile signal comprising a casing having an open side wall, a closure member pivoted to said casing for closing the opening, a signal carried by said member, a spring having one end secured to a wall of the casing and a free end adapted to urge said member outwardly, a cable secured adjacent said signal, a tubular support secured to the car body, said car body having an aperture therein, a ring on the other end of said cable, said cable extending thru said tubular support and said aperture, and a stud on said body adapted to receive said ring whereby on the release of said ring from said stud, said spring is operative to move said signal outwardly to a position limited by the length of said cable.

1,460,573. AUTOMATIC MEASURING DEVICE. EDGAR D. CHURCH, FRANK S. LASH, and JACKSON W. VAN BRUNT, Saginaw, Mich., assignors to Jackson & Church Company, Saginaw, Mich., a Corporation of Michigan. Filed May 10, 1922. Serial No. 559,929. 3 Claims. (Cl. 83—44.)

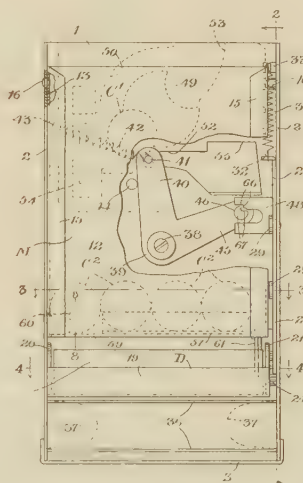
1. In combination, a hopper, electrically actuated vibrators on the walls of said hopper, a conveyor beneath said hopper, a rider vertically movable above said conveyor, contact devices electrically connected to said vibrators, means operatively connecting said rider and

said contact devices adapted to actuate said contact devices in succession, one of said contact devices electrically



connected to a vibrator, a second contact device connected to another vibrator, and a third contact device adapted to actuate signals, for the purposes set forth.

1,460,574. COIN-CONTROLLED VENDING MACHINE. ANTHONY COSEGLIA, West Hoboken, N. J., assignor, by mesne assignments, to Autosales Corporation, a Corporation of New York. Filed Aug. 18, 1917. Serial No. 186,843. 2 Claims. (Cl. 211—8.)

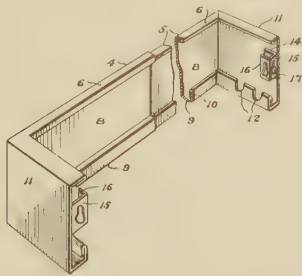


1. In a vending machine, a casing having a magazine for containing the vendable articles, a delivery cylinder pivoted below said magazine for ejecting the bottom article, a reciprocable slide connected with said cylinder for actuating the same into delivery position, said slide having a slot provided with a shoulder, a pivoted lever having a pin to engage said slot and thereby actuate said slide when the lever is operated, means for manually operating said lever from the outside of the casing, and a shoulder on said pin for interlocking with said first named shoulder to lock said slide against operative movement, when an attempt is made to operate said slide otherwise than through said lever.

1,460,575. CURTAIN AND DRAPERY SUPPORT. WILLIAM J. DONOVAN, Philadelphia, Pa. Filed May 1, 1922. Serial No. 557,770. 1 Claim. (Cl. 156—13.)

A curtain and drapery support comprising a plurality of channel-like telescopic sections, the upper edges whereof are bent at right angles thereto and inwardly folded upon themselves while the lower edges are similarly bent at right angles and upwardly turned in parallelism to the face of the support with the edges thereof folded upon themselves, opposed integral end portions of like cross section at right angles to the face of the support, a plurality of opposed notches in the walls of the in-

wardly and upwardly turned parts of the end lower portions for supporting a curtain pole at variable distances relative to the inner face of the support, and opposed



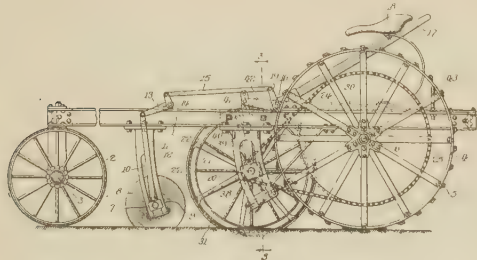
angle brackets secured to the inner faces of the end portions having inverted key-hole slots in their back and inner faces whereby the device may be supported on the face or outer edges of a window casement as desired.

1,460,576. LUBRICATION RECORD. SIDNEY S. EMERY, Denver, Colo. Filed Nov. 22, 1921. Serial No. 516,916. 3 Claims. (Cl. 283-48.)

LUBRICATION RECORD.			
PARTS		Miles	Time
SPRINGS			
		250	
STEERING GEAR	Drag Link	1000	
	Cross Rods	250	
	King Bolts	250	
WHEELS	Front	Inspected	500
		Greased	2000
	Rear	Inspected	500
UNIVERSALS	Front	Greased	2000
		Inspected	500
	Rear	Greased	2000
PINION		Inspected	500
		Greased	2000
ENGINE	Oil	1000	
	Washed	3000	
TRANSMISSION	Oil	1000	
	Washed	3000	
DIFFERENTIAL	Oil	1000	
	Washed	3000	
PUMP	Greaser	1000	
	Arm. Bolts	500	
	Embracing Bolts	1000	
	Rollers	500	
	Sliding Wheel	1000	
BATTERY	Oil	250	
	Tested	250	

1. A lubrication record comprising a chart having a plurality of vertical columns and transversely ruled spaces, one of said columns containing a list of the parts to be lubricated, another column containing figures representing the number of miles that may properly elapse after each lubrication, and two parallel columns adapted to receive an entry of the date and the speedometer reading at the last lubrication.

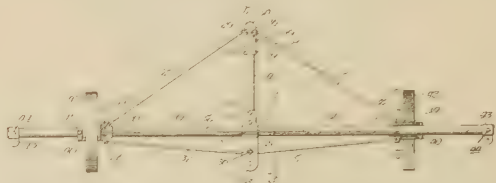
1,460,577. CROWNING MACHINE. FRANK JOHN FAL-LADA, Chicago, Ill. Filed Aug. 21, 1922. Serial No. 588,109. 8 Claims. (Cl. 97-41.)



1. In a machine of the class described, a frame mounted on supporting wheels, one set of which are geared to furnish power for revolving a rotary cutter through tractive effort, a spiral rotary cutter mounted to be revolved and driven by a traction wheel of the machine and supported in its relationship to the ground by wheels

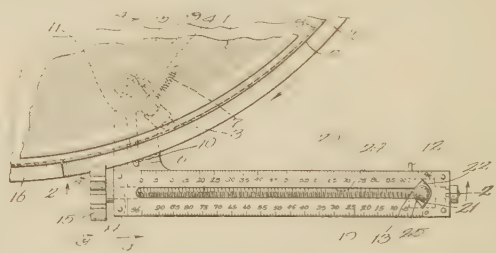
rolling on the ground and connected to float upward and downward and carry rotary cutters with them over the uneven surfaces of the ground in combination with some disk cutters placed forward of the rotary cutters and adapted to slit the ground by the movement of the machine in advance of the rotary cutters and said rotary cutters provided with means for adjusting the depth on either end thereof more or less as relates to the transverse position of the revolving cutters.

1,460,578. TRACTOR HITCH. FELIX MICHAEL FISCHER, Kewanee, Ill. Filed Sept. 19, 1921. Serial No. 501,671. 2 Claims. (Cl. 97-233.)



1. In an appliance of the character described, the combination of a substantially-straight metal pipe constituting a draft-beam, a strut member fastened to the middle of said pipe and having a forwardly-extended socket, a forwardly-projecting draw-bar pipe secured in said socket, a pair of collars fastened to said pipe on opposite sides of and remote from said strut member, truss rods connected at their ends to said collars and coacting with the struts of said member, tie rods connecting said collars to the front end portion of said forwardly-extended draw-bar pipe, sleeves on said pipe outwardly beyond said collars but remote from the ends of the main pipe, carrying wheels revoluble about the axis of said draft-beam pipe on said sleeves, means permitting the attachment of a traction appliance to the front end of said draw-bar pipe, and means permitting the attachment of agricultural implements to said main-beam pipe.

1,460,579. PHONOGRAPH. WILLIAM A. FRICKE, Chi-cago, Ill. Filed Dec. 5, 1919. Serial No. 342,605. 12 Claims. (Cl. 192-122.)

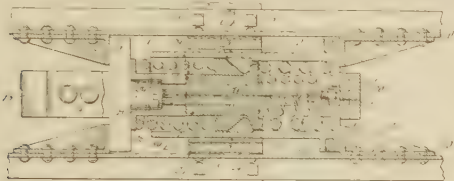


1. A phonograph including a turn table for support-ing and rotating a disc record; means for stopping the turn table; a threaded shaft having a gear wheel for turning it, there being a threaded formation upon the periphery of the turn table in turning engagement with said gear wheel to turn said shaft; a rider in threaded engagement with the shaft and brought thereby into actuating relation with said means; and two reversely related scales placed along the line of travel of the rider for measuring the number of rotations of the turn table.

1,460,580. FRICTION SHOCK-ABSORBING MECHA-NISM. STACY B. HASELTINE, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Aug. 7, 1920. Serial No. 401,901. 8 Claims. (Cl. 213-36.)

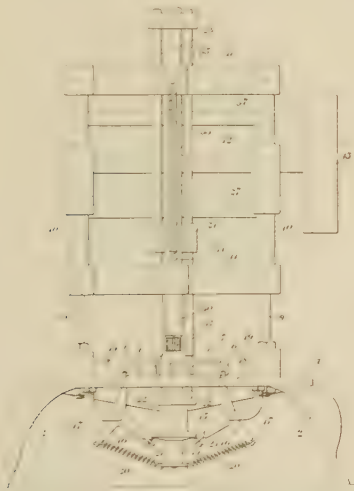
1. In a friction shock absorbing mechanism, the com-bination with a central friction post; of a plurality of friction shoes having inner friction surfaces cooperable

with said post and provided also with outer friction surfaces; wedging means disposed exteriorly of the shoes; wedge-shoes cooperable with said wedging means and the



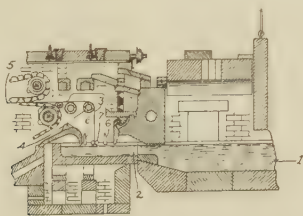
first named friction shoes, said wedge shoes and friction shoes sliding relatively during a compression stroke, and spring means encircling said post for restoring said friction shoes upon removal of the actuating force.

1,460,581. MACHINE FOR MAKING BOOK COVERS. THOMAS E. HEETER, St. Louis, Mo. Filed Jan. 17, 1921, Serial No. 437,941. Renewed Apr. 23, 1923. 10 Claims. (Cl. 154—41.)



1. In a machine of the character described, a work support, a plunger adapted to reciprocate above said work support, a head carried by said plunger having radial grooves formed therein, a finger blade support arranged on said work support, a plurality of slidable finger blades mounted in said finger blade support, said blades being adapted to move into the slots in said plunger head, springs normally actuating said blades outwardly, mechanism for moving said finger blades inwardly, and mechanism for reciprocating said plunger.

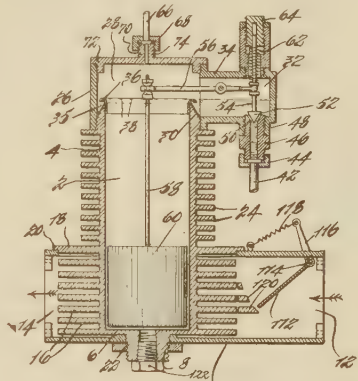
1,460,582. METHOD OF AND APPARATUS FOR DRAWING SHEET GLASS. SETH B. HENSHAW, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed June 19, 1920. Serial No. 390,062. 5 Claims. (Cl. 49—17.)



1. In a sheet glass drawing apparatus, means for drawing a flat sheet from the glass mass and rolling dies

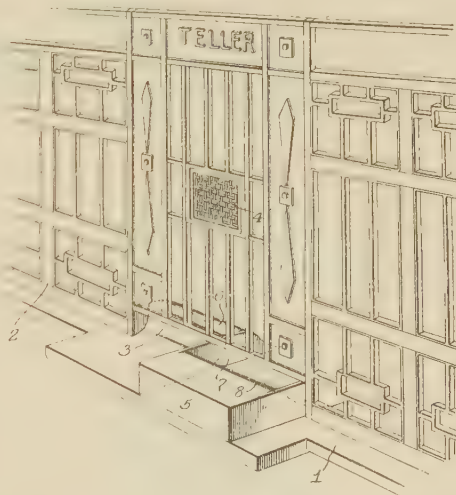
engaging the edges of the sheet near its source driven to have a peripheral speed of not to exceed one-half the speed at which the sheet is drawn.

1,460,583. KEROSENE VAPORIZER. WILLIAM H. HILL, Manati, Porto Rico. Filed July 3, 1918. Serial No. 243,172. 2 Claims. (Cl. 48—102.)



1. In apparatus of the class described, means for volatilizing a liquid fuel, comprising a heated surface, means for directing the fuel in a film over said surface, a chamber for receiving the volatilized fuel, a fuel supply and means whereby the operation of the fuel supply is governed by the amount of unvolatilized fuel in said chamber.

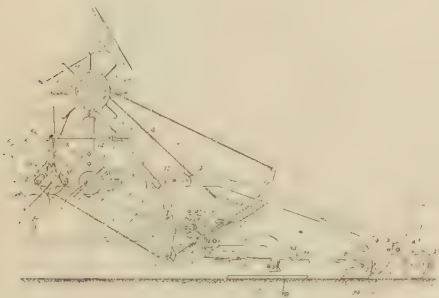
1,460,584. BANK SAFETY DEVICE. CHARLES A. HON-SINGER, Detroit, Mich. Filed Feb. 9, 1920. Serial No. 357,191. 1 Claim. (Cl. 133—13.)



In a structure for the protection of tellers, a counter, a partition thereabove between teller and customer, a vertically-extending member positioned relative to the counter to provide a space for the passage of funds, etc., means operative to set up "one-way passage" conditions in opposite directions within such space, said means including a passageway formation having its exit end on the customer side of the member, the portion of the passageway on the opposite or entrance side of the member having its bottom wall contour curved upwardly, the plane of the entrance end of such passageway being above the bottom of the vertically-extending member, the curvature of the upwardly-curved wall and the distance between the wall and the vertically-extending mem-

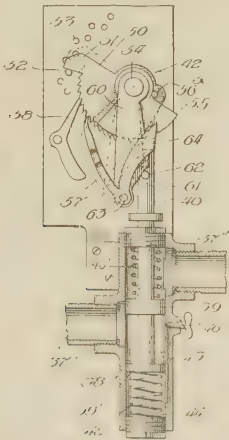
ber on the plane of the entrance end of the passageway being such that unimpeded discharge of a fire arm in said passageway is limited to a generally vertical direction.

1,460,585. GRADING AND SCARIFYING DEVICE FOR TRACTORS. CHARLES W. HOWE, Dayton, and JOSEPH L. GARVER, Hamilton, Ohio. Filed July 25, 1921. Serial No. 487,224. 3 Claims. (Cl. 37—145.)



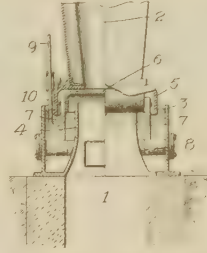
1. In a device of the type described, the combination with a rear axle of a tractor, of a casting secured thereto, an upwardly, a forwardly, and a rearwardly projecting arm on said casting, an upright member secured to the upwardly projecting arm on said casting, an angle member secured at its apex portion to the upright member and at its inner end to the forwardly projecting arm on said casting, a vertical connecting plate secured to the rear end of said angle member, a drag bar elevating member pivotally secured to said connecting plate, and means mounted upon the forwardly projecting arm of said casting for raising and lowering the drag bar elevating member.

1,460,586. HYDRAULIC DRIVE FOR STOKER RAMS. CURTIS L. HOWSE, Detroit, Mich., assignor to The Underfeed Stoker Company of America, a Corporation of New Jersey. Filed Mar. 2, 1924. Serial No. 540,647. 14 Claims. (Cl. 110—103.)



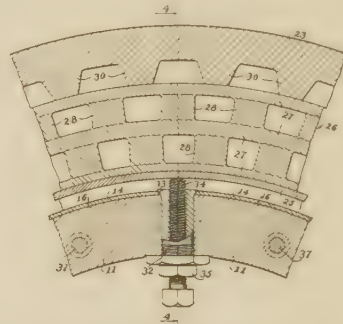
1. In a stoker-ram drive, the combination with a ram, of an engine therefor, pressure-impulse supply means for one end of said cylinder including a reciprocable, normally closed valve movable within its closed condition by the pressure impulses, and movable to open a pressure-transmitting connection to the engine cylinder when unrestrained, and means for normally restraining the movements of said valve operatable by the movement of said valve within its closed range, to remove the valve-restraint after a predetermined number of impulses.

1,460,587. VALVE. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1919. Serial No. 277,952. 6 Claims. (Cl. 251—18.)



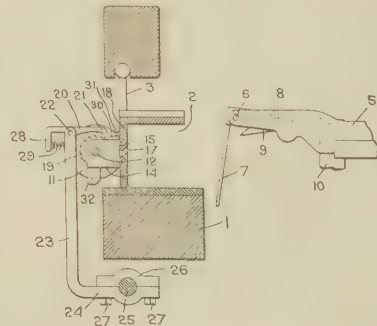
6. A conduit comprising two spaced registering sections, a water seal between said sections, a valve operable in the space between said sections, and means extending through said water seal for operating said valve.

1,460,588. TIRE. EDWARD A. JOHNSON, Brooklyn, N. Y. Filed May 13, 1919. Serial No. 296,808. 6 Claims. (Cl. 152—5.)



5. In combination, a tire shoe having on its inner face a plurality of spaced plugs; and a filler disposed in said shoe comprising outer, intermediate and inner layers, and provided with a plurality of spacing plugs between the outer and intermediate layers and between the intermediate and inner layers; the spaces between the plugs of the shoe, when the tire is viewed in longitudinal section, being in the line of the plugs located between the outer and intermediate layers of the filler, and the spaces between the plugs located between the outer and intermediate layers of the filler being in line of the plugs located between the intermediate and inner layers of the filler; said spaces of the shoe and filler providing air space for cushioning said shoe.

1,460,589. FILLING-FORK GRID FOR LOOMS. NEED KNIGHT, Lancaster, S. C., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Sept. 9, 1922. Serial No. 587,055. 9 Claims. (Cl. 139—379.)



1. Filling detecting mechanism for looms comprising a filling fork, a grid carried by the lay comprising a plu-

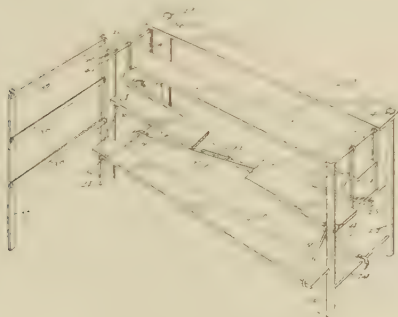
rality of movable members positioned to cooperate with said filling fork upon the beat-up of the lay, means for actuating said movable member to clear the grid of lint and other materials which would prevent a proper operation of the filling fork.

1,460,590. OPTICAL PICTURE CABINET. STANISLAUS KUCHARSKI, Charlottenburg, near Berlin, Germany, assignor to Richard A. Hansemann, Berlin, Germany. Filed Oct. 1, 1919. Serial No. 327,828. 1 Claim. (Cl. 88—24.)



An optical picture cabinet comprising a cabinet, an inclined mirror in the upper part of the cabinet with its reflecting surface on the under side, a screen in the front wall of the said cabinet and opposite to the inclined mirror, a projecting peripheral border surrounding said screen, an optical lantern in the lower portion of the said cabinet adapted to project beams which are reflected by the said mirror onto the said screen, and a removable wheeled platform carrying the said optical lantern, said optical lantern being attached to the platform with its optical axis vertical and in such position thereon that when said platform is confined within the cabinet the projected picture will register substantially with said mirror.

1,460,591. COMBINATION FURNITURE. CHARLES E. KULIN, Harrisburg, Pa. Filed Feb. 18, 1922. Serial No. 57,567. 2 Claims. (Cl. 211—27.)



1. In combination furniture for household use, a frame comprising end posts arranged in pairs, braces connecting the posts of each pair, means for holding the pairs of end posts in spaced relation to each other, a series of shelves supported on the frame in successively advanced

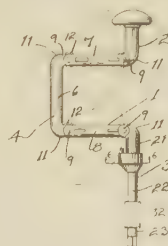
positions, and on different planes, slings having hooked ends embracing two of the end posts and suspended thereon, said slings having inwardly turned ends constituting shelf engaging elements, and a shelf resting on said inwardly turned ends and bearing against the posts whereby the inward movement of the slings is limited, as and for the purpose described.

1,460,592. CARRIER FOR SPARE WHEELS AND THE LIKE. FREDERICK K. LAWRENCE, Chicago, Ill., assignor, by direct and mesne assignments, to Self-Mounting Carrier Company, Wilmington, Del., a Corporation of Delaware. Filed May 12, 1921. Serial No. 468,885. 15 Claims. (Cl. 224—29.)



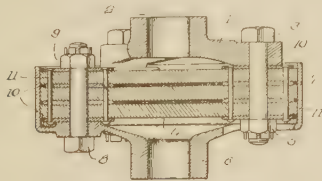
1. Lifting mechanism for spare tires and their mountings having a holder on the vehicle for supporting the tire mounting, an arm pivoted to the vehicle and adapted to raise the tire from the ground to the holder, and a seat for engaging the tire mounting, said seat being mounted directly on said arm and being adapted to prevent the tire mounting from shifting in either direction along the arm.

1,460,593. ADJUSTABLE BRACE. WILLIAM LEMOIGNE, Colusa, Calif., assignor of one-fourth to Edward Bogart and one-fourth to A. Weiss, both of Colusa, Calif. Filed May 16, 1922. Serial No. 561,366. 1 Claim. (Cl. 145—66.)



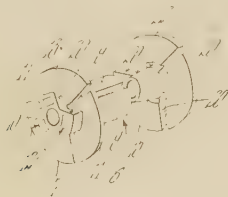
In a brace for turning a bit, a shank for receiving the bit bent at its upper end and terminating in a toothed disc, a handle turned at its lower end and terminating in a toothed disc, and a yoke interposed between the shank and the handle comprising a central member bent at either end and terminating in toothed discs and two connecting links pivotally engaging the discs having spring latches associated therewith for locking the links against pivotal motion.

1,460,594. FLEXIBLE COUPLING FOR DRIVE SHAFTS. AXEL R. LE MOON, Chicago, Ill., assignor to Nelson & Le Moon, Chicago, Ill., a Partnership. Filed Mar. 5, 1921. Serial No. 450,069. 2 Claims. (Cl. 64—96.)



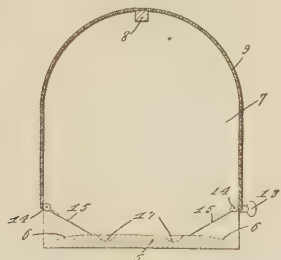
1. A flexible coupling comprising in combination two shaft receiving members and a laminated disk to which said members are secured at alternate points respectively spaced apart adjacent to the periphery of said disk, said disk including beveled edge radially positioned oblong washers secured adjacent to their ends to the adjacent laminations which are all flexible, and clamping means extending through said disk and through the washers whereby said members are respectively secured to said disk in flexible relation to each other.

1,460,595. WINDING SPOOL. WILLIAM R. MARSHALL, Holyoke, Mass., assignor to The Holyoke Company, Holyoke, Mass., a Corporation of New York. Filed Aug. 9, 1921. Serial No. 499,948. 8 Claims. (Cl. 242—124.)



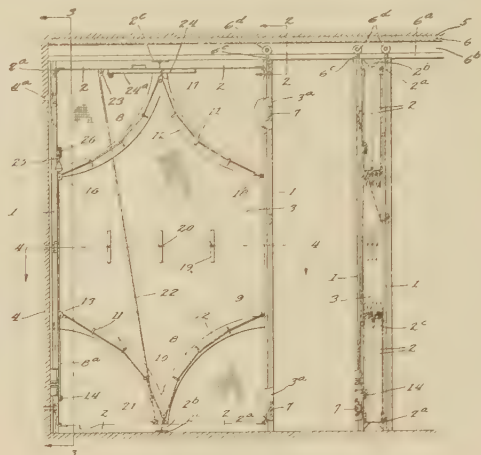
1. A winding spool having in combination a pair of spool heads, a collapsible core comprising a plurality of longitudinal sections severally pivoted to one of the spool heads for swinging adjustment in axial planes to contract or expand the core, said core sections being severally constructed and relatively arranged when the core is expanded to provide an approximately continuous cylindrical winding surface upon which a coil may be wound in true cylindrical shape, one of said spool heads being detachable from the core to permit the coil to be bodily removed from the core when the core is collapsed, and means on the detachable spool head for limiting the expansion of the core.

1,460,596. TRAP. MILES L. MARTIN, Bainbridge, Ga. Filed Oct. 18, 1922. Serial No. 595,315. 2 Claims. (Cl. 43—121.)



1. In a trap, a base, end sections secured to the base, a body portion formed of wire mesh material supported by the end sections, the edges of the wire mesh material being disposed in spaced relation with the base to provide entrance openings, an adjustable wire supported adjacent to the lower edges of the wire mesh material, and pivoted fingers supported by the adjustable wire to normally close the entrance openings.

1,460,597. COLLAPSIBLE WALL. HERMAN W. MAURER, Cleveland, Ohio. Filed Aug. 16, 1921. Serial No. 492,661. 13 Claims. (Cl. 20—20.)



1. A collapsible wall, comprising a collapsible frame section carrying spaced flexible covering walls, means for connecting and initially breaking opposite portions of said frame section, and cooperating means for drawing the remaining opposite portions of said frame section toward each other and gathering said flexible covering walls thereover.

1,460,598. TRACTOR CLUTCH CONTROL. CLARENCE D. METZGER, Shelby, Ohio. Filed Aug. 28, 1922. Serial No. 584,740. 3 Claims. (Cl. 74—39.)

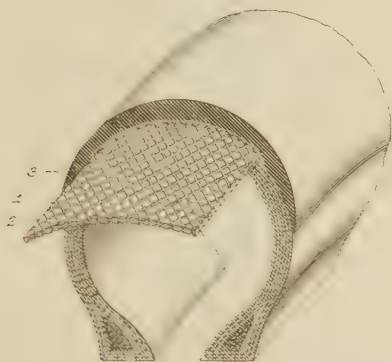


1. A clutch control for tractors comprising a pair of spaced collars each formed of upper and lower halves adapted to be bolted together around the rear axle of a tractor, the upper sides of said collars having horizontal seats, a segmental rack having a horizontal foot secured upon said seats and tying the upper portions of the collars rigidly together, an upstanding lever fulcrumed on said rack and having a dog engaging the same, and a rigid clutch operating arm extending forwardly from said lever.

1,460,599. REINFORCED PNEUMATIC-TIRE CASING. HERBERT NICHOLSON, Chicago, Ill. Filed Apr. 8, 1922. Serial No. 550,614. 1 Claim. (Cl. 152—18.)

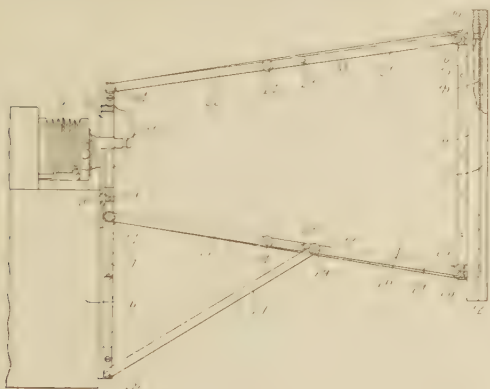
A reinforcing insert for pneumatic tire casings comprising, a sheet of vulcanized fiber formed on both

faces with a series of closely arranged shallow depressions of an undercut form adapted to provide an effective bond-



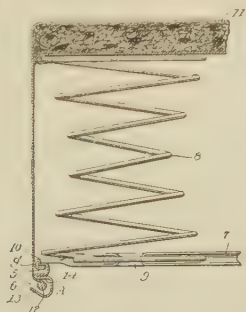
ing connection with the rubber constituent of the tire casing in which it is embedded.

1,460,600. FOLDING HOOD AND SCREEN. GEORGE L. W. PALMER, Plainfield, N. J. Filed Nov. 19, 1920. Serial No. 425,235. 9 Claims. (Cl. 88-24.)



1. A device of the character described having, in combination, a collapsible hood, a frame located at one end of said hood, a screen located in said frame, and a plurality of collapsible members adapted to simultaneously support said frame and hold said hood against collapse and in its extended position.

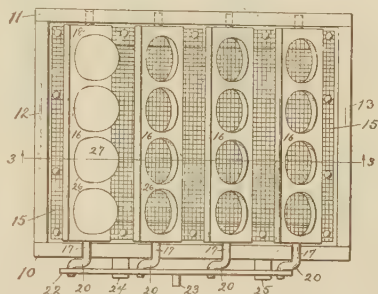
1,460,601. SPRING STRUCTURE. HARRY A. PALMER, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich. Filed Jan. 18, 1922. Serial No. 530,045. 2 Claims. (Cl. 155-180.)



1. In a spring structure a base frame composed of a strip of sheet metal folded upon itself to form super-

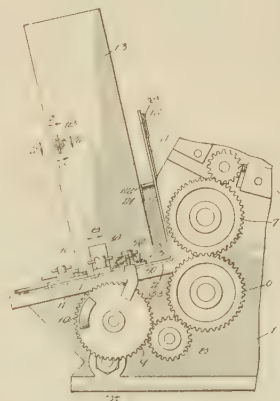
imposed outwardly opening grooves, pairs of U-shaped spring supporting bars having the opposite walls at the ends thereof brought together and bent to form hooks of double thickness adapted to rest upon the top of the base frame and hook into the uppermost groove, springs mounted on said bars, and an upholstering covering including a skirt having its marginal edge secured in the lowermost groove of the base frame.

1,460,602. EGG-TURNING ATTACHMENT FOR INCUBATORS. SOLOMON PETERMAN, Nevada, Iowa. Filed Apr. 18, 1922. Serial No. 555,336. 2 Claims. (Cl. 119-44.)



1. An egg-turning attachment for incubators, comprising a tray having a screen bottom, slats mounted for oscillation in said tray and adapted to engage said bottom alternately by their side margins, each tray being formed with egg-carrying seats adapted to hold eggs with their longest diameters at angles to said bottom.

1,460,603. ENVELOPE-FEEDING MECHANISM. CLAUDE L. POST, Chicago, Ill. Filed Aug. 31, 1921. Serial No. 497,220. 15 Claims. (Cl. 271-2.)

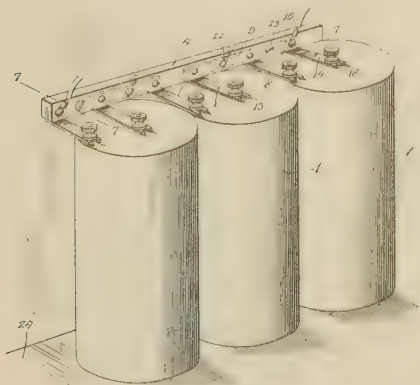


1. In an envelope handling device of the kind described and in combination, an envelope magazine, printing rolls, means for turning the flaps of successive envelopes on their line of fold and extending them in the direction of said rolls, and means for intermittently jogging said envelopes.

1,460,604. BATTERY CONNECTOR. CLARENCE E. POTTER, Baltimore, Md. Filed Feb. 17, 1921. Serial No. 445,652. 2 Claims. (Cl. 173-324.)

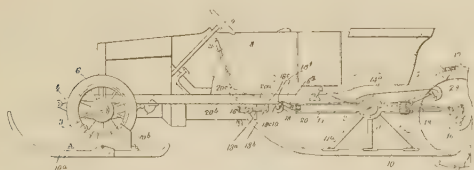
1. In a battery connector, an insulating body to extend across a plurality of battery cells, conductor elements extending laterally from said body and having their

inner ends embedded therein and their outer ends constructed to engage battery-cell binding posts, bridging members of conducting material embedded in the insulating body and connecting the inner ends of some



conductor elements, and means extending through the insulating body to secure the bridging members and the inner ends of conductor elements within said body, said means serving also to connect circuit conductors to said elements.

1,460,605. AUTOMOBILE SLEIGH ATTACHMENT. JAKOB RANTASÄ, Vienna, Austria. Filed Apr. 3, 1920. Serial No. 371,135. 6 Claims. (Cl. 180—5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A sleigh attachment for motor vehicles, comprising a pair of levers each pivotally mounted at a point intermediate its ends, a traction unit mounted between said levers near one end thereof, means for raising and lowering the opposite end of the levers and thereby raising or lowering the traction unit, and runners pivotally mounted on the pivotal axis of said levers.

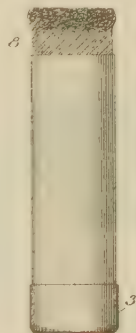
1,460,606. PROCESS FOR MANUFACTURING CONDENSATION PRODUCTS. KURT RIPPER, Vienna, Austria, assignor to Fritz Pollak, Vienna, Austria. Filed Sept. 9, 1922. Serial No. 587,221. 13 Claims. (Cl. 260—3.)

1. The process for manufacturing condensation products from an urea with formaldehyde which consists in retarding the gelatinization of the initial condensation products soluble in water by the addition of salts showing alkaline reaction on hydrolysis.

1,460,607. CLEANING STICK. HOWARD W. ROUTSON, Oakland, Calif. Filed Mar. 2, 1922. Serial No. 540,620. 4 Claims. (Cl. 15—209.)

1. A cleaning stick comprising a tube, and a body of cleaning material frictionally held in said tube and adapted to be protected from one end thereof, said

cleaning body comprising a soap stick, steel wool wound on said soap stick, and a fabric binder over said steel wool.



3. A cleaning stick comprising a tube and a body of cleaning material frictionally held in said tube and adapted to be projected from one end thereof, said cleaning material comprising a body of spirally wound steel wool and a fabric binder over said steel wool.

1,460,608. SHOE LINER. CHARLES A. L. SAUNDERS, Elgin, Ill. Filed Dec. 9, 1921. Serial No. 521,167. 16 Claims. (Cl. 12—39.)



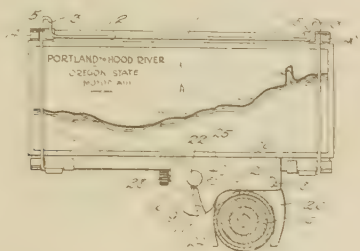
1. In a device of the kind described and in combination, a jack, suction means for holding a shoe lining thereon, and means for releasing said lining when the sheet is properly positioned on the jack.

1,460,609. DOOR LOCK. LUIGI SCOLA, Newcastle, Wash. Filed Feb. 13, 1922. Serial No. 536,129. 2 Claims. (Cl. 292—144.)



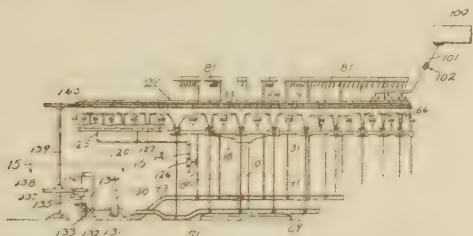
1. A door lock, comprising a plate, a guide mounted on the plate, a bolt slidably between the guide and plate, a cylinder mounted on the plate, a piston mounted for reciprocating movement in the cylinder, and a rod rigidly connecting the piston and the bolt, and means remote from the cylinder for exerting a pressure on the piston for projecting the bolt and creating a suction thereon for retracting the bolt.

1,460,610. MAP AND RECORD HOLDER. CHARLES H. SEEBEE and GEORGE C. BERLIN, Caldwell, Idaho. Filed Sept. 14, 1922. Serial No. 588,197. 3 Claims. (Cl. 40—13.)



1. A map or the like holder comprising a supporting base, map retaining means on the base, a jaw member movably supported on the base, a second jaw movably carried by the first jaw, means for adjusting the jaws toward and away from each other, and means for adjusting the jaws toward and away from the base.

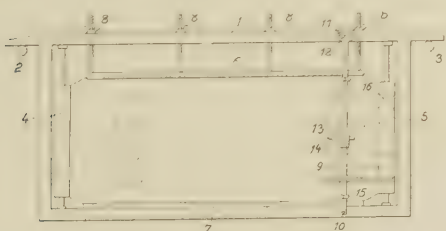
1,460,611. CONE MAKING MACHINE. JOSEPH SHAPIRO, Baltimore, Md. Filed Aug. 29, 1919, Serial No. 320,620. Renewed May 18, 1923. 4 Claims. (Cl. 107—58.)



1. In a cone making machine, a support, a plurality of cores thereon, a slide rigidly secured to said support at right angles thereto, a plurality of guideways for said slide, a roller pivotally mounted on said slide below said guideways, and means for engaging said roller to raise said support and cores.

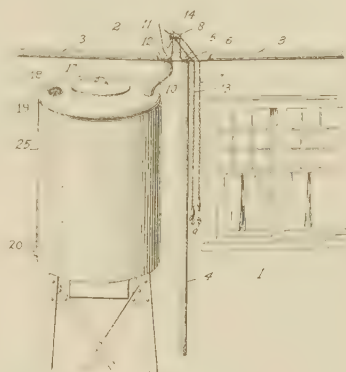
4. In a molding machine, a pair of vertically disposed horizontally slidable cooperating mold sections, a pair of cranks mounted on opposite sides of said sections substantially central of their top and bottom faces, a plurality of straight fingers on each crank having slightly rounded ends to engage the body of each section to force them into contact with each other, said fingers, when the molds are closed, each pointing toward the axis of the opposite crank.

1,460,612. EMBROIDERY MACHINE. GOTTWALT SIEBER, Plauen, Germany. Filed Jan. 27, 1923. Serial No. 615,293. 5 Claims. (Cl. 112—90.)



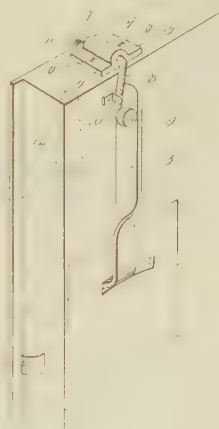
1. In a device for exchanging portions of fabric upon embroidery machines in the manufacture of long embroideries in steps, the combination, with the movable frame of the embroidery machine, of an adjusting bar provided at said frame, and a directive hand provided at said bar, substantially as described.

1,460,613. WATER-SUPPLY SYSTEM FOR DWELLINGS AND THE LIKE. CAROLINE A. SILL, Oklahoma, Okla. Filed Feb. 20, 1922. Serial No. 537,685. 5 Claims. (Cl. 137—9.)



1. Means for supplying water to the plumbing system of a house, comprising an elevated tank connected to said plumbing system and located in proximity to the eaves-trough or gutter of the house, said eaves-trough being provided with the usual down-take conductor, a pipe leading from the eaves-trough to the tank, said pipe being provided with an inlet valve normally cutting off the passage of water therethrough to the tank, and a valve for the down-take conductor; whereby, on the occurrence of rainfall, the valve of the down-take conductor may be opened to permit the discharge of the initial body of rain water to waste together with the impurities which accompany it from the roof and eaves-trough, and whereby on closing said valve and opening the valve governing the supply to the tank, the tank will receive the secondary supply of rain water uncontaminated by said impurities; substantially as described.

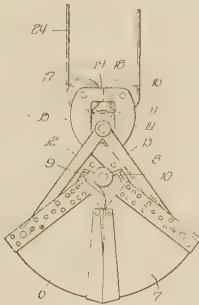
1,460,614. AUTOMOBILE DOOR OPENER. CHARLIE J. SMITH, Jr., Henderson, N. C. Filed May 19, 1921. Serial No. 471,006. 1 Claim. (Cl. 292—164.)



The combination with an automobile door having a latch provided with an upstanding releasing lever at the inner side of the door, of an abutment secured upon the inner face of the door adjacent the upper end of said lever, a bearing secured upon the upper edge of the door

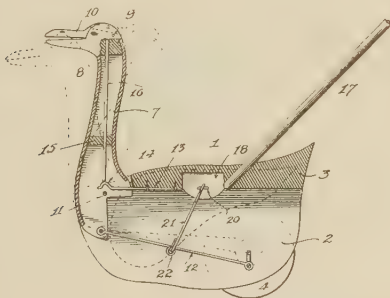
and extending transversely thereof, a rod extending through the bearing and having its end portions bent to provide a rocker shaft journaled in the bearing and extending beyond the inner and outer sides of the door and arms extending in depending relation from the ends of the rocker shaft, the inner arm extending between the abutment and the upper end portion of said lever and having its free end portion bent to extend transversely of the lever, a roller upon the bent end portion of the inner arm and engaging said lever, the outer arm of said rocker shaft constituting an actuating arm for turning the rocker shaft and swinging the inner arm to move the lever to a latch-releasing position.

1,460,615. RECLAIMING BUCKET. DANIEL E. STAIR, Elkhart, Ind. Filed Aug. 17, 1922. Serial No. 582,482. 11 Claims. (Cl. 37—184.)



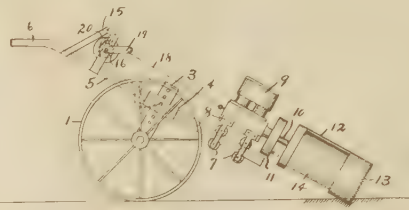
1. In a clam-shell bucket, a pair of coating bucket members hingedly connected together, a lever arm connected to each bucket member, and means carried by the lever arms adapted to detachably engage the bucket above its center of gravity whereby when supported by said means, the bucket is closed by gravity, said means being adapted to disengage the bucket to permit the bucket to open when the weight of the bucket is taken from said means.

1,460,616. FIGURE WHEELED TOY. ERNEST STARBUCK, Peoria, Ill. Filed May 9, 1921. Serial No. 468,104. 4 Claims. (Cl. 46—45.)



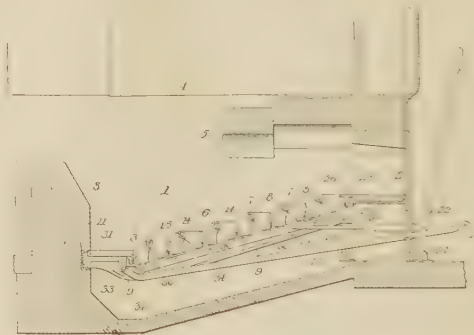
1. The combination, in a toy, of a body simulating a fowl and including supporting wheels, a neck portion pivoted to the body including a head portion, a bill portion pivoted to the head portion, a pitman operatively connected at one end with the wheels and at its other end attached to the neck for imparting movement to the latter, a member disposed within the neck portion and adapted to have endwise movement therein and at one end adapted to engage the pivoted bill portion, and a member secured to the body having a curved surface disposed adjacent the pivot of the neck portion, the other end of the first named member engaging the said curved surface.

1,460,617. STUMP REMOVER. BUFORD J. STEEN and WILLIAM O. MARTIN, Christine, Tex. Filed Feb. 13, 1922. Serial No. 536,303. 1 Claim. (Cl. 143—85.)



A device of the character described including an axle, carrier wheels supporting the same, standards adjacent said wheels and upstanding from said axle, a vertically adjustable bearing on each standard, tracks secured to said bearings forming a supporting framework, and whose rear ends are formed into handles, a motor frame mounted to move on said tracks, a motor carried by said frame having a forwardly projecting drive shaft, a fly wheel fixed on said shaft, a tubular saw fastened to the forward end of said shaft, a cut away portion in one side of said saw, frames fixed on said tracks near their rear ends, a rotatable drum shaft mounted in suitable bearings carried by said frame, a drum fixed on the drum shaft between said tracks, a cable attached at one end to the motor and whose other end is wound around the drum, means for rotating the drum in one direction, and means for locking said drum against rotation in the other direction.

1,460,618. HAND STOKER. FREDERICK C. STIMMEL, Chattanooga, Tenn., assignor to The Casey-Hedges Co., a Corporation of Ohio. Filed Apr. 5, 1922. Serial No. 549,913. 11 Claims. (Cl. 110—39.)

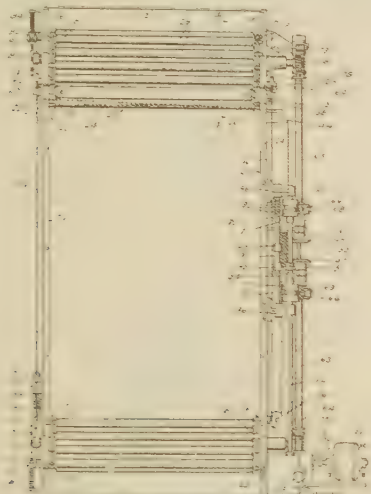


9. In a stoker, a progressive feed grate having alternating stationary and rocking transverse grate bars, the latter bars being normally arranged as a series of horizontal steps, the stationary bars being inclined, and both kinds of bars being slotted for the purpose specified.

1,460,619. ADVERTISING DEVICE. HENRY W. SUMNER, Seattle, Wash. Filed Mar. 19, 1921. Serial No. 453,648. Renewed Mar. 1, 1923. 11 Claims. (Cl. 40—30.)

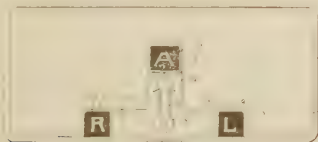
1. A device of the class described comprising an upright frame, a roller receiving magazine at each end of said frame, spring rollers arranged to be removably held by said magazines, a display curtain arranged to wind on each of said spring rollers, one end of each display curtain being secured to its roller and the other end being secured to the magazine, a traveler bar disposed transversely of said frame and movable lengthwise thereof and

arranged to successively pick up the rollers and display the curtains by moving the rollers away from the maga-



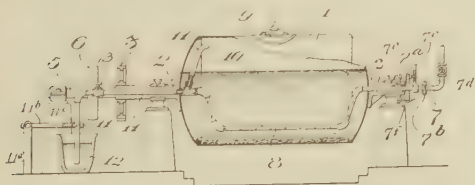
zines and then returning the said rollers to the magazines, and an endless driven cable connected with both ends of said traveler bar for moving the same.

1,460,620. AUTOMOBILE SIGNAL. RICHARD TAEUBERT, Holyoke, Mass. Filed May 29, 1919. Serial No. 300,793. 3 Claims. (Cl. 116—47.)



1. A traffic signal consisting of a frame adapted to be secured to wind-shield or vehicle part and provided with a non-rotatable member having notches in its edge radially spaced from each other, a pivot extending through said member, an indicator carried by said pivot and provided with a pin to engage either one of said notches, a spring for holding the pin engaged with either notch to retain the indicator in selected position.

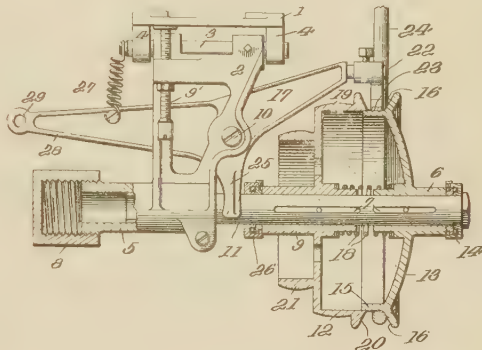
1,460,621. APPARATUS FOR MANUFACTURING LIME SULPHUR. ROKUJIRO TAKI, Abe-Gun, Shizuoka-Ken, Japan. Filed Feb. 18, 1921. Serial No. 446,111. 2 Claims. (Cl. 23—13.)



1. An apparatus for manufacturing lime sulphur comprising a horizontally disposed pressure-proof rotatable tank provided with a filling opening, a cover for said opening, trunnions fixed at both ends of said tank, means for supporting said trunnions, means for rotating said tank, a steam pipe extending through one of said trunnions and having a normally stationary U-shaped perforated portion normally arranged in the lower portion of said tank in order to discharge steam into the material beneath the level of said material, said U-shaped portion being pivotally mounted in said tank to permit said U-shaped portion to be moved to and maintained in a

position at the upper portion of the tank during the rotation of the tank for cooling the contents, and a gas discharge pipe having its inner end opening into the upper portions of the interior of the tank and its outer end arranged exteriorly of the tank.

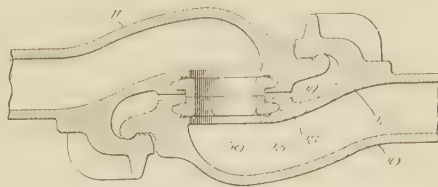
1,460,622. POWER-TRANSMITTING DEVICE. ARTHUR E. THOMPSON, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 2, 1921. Serial No. 458,008. 6 Claims. (Cl. 192—11.)



1. A power transmitter including in combination, a support, a driving pulley mounted thereon and having belt gripping devices, and manually operated means for causing said belt gripping devices to engage and drive the belt.

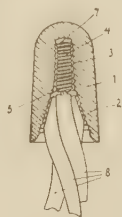
5. A power transmitter including in combination, a supporting shaft, a member mounted to rotate freely on said shaft and held from endwise movement thereon, said member having an outwardly projecting flange, a cylindrical laterally projecting portion, a driving pulley freely mounted on said shaft and capable of endwise movement thereon, said driving pulley having a cylindrical recess adapted to freely receive the cylindrical projection on said rotatable member, a spring for normally separating the driving pulley and rotatable member, said driving pulley and rotatable member having projecting flanges with faces inclining outwardly and away from each other between which the belt to be driven runs, and manually controlled means for moving the driving pulley so that the belt may rest freely on the cylindrical projection when the belt is idle and so that said belt may be gripped and driven by the inclined flanges when desired.

1,460,623. COUPLING HEAD AND METHOD OF MAKING SAME. VICTOR T. TOBOLLA, Chicago, Ill., assignor to William L. Read and Charles F. Read, both of Chicago, Ill. Filed Nov. 11, 1920. Serial No. 423,346. 12 Claims. (Cl. 285—63.)



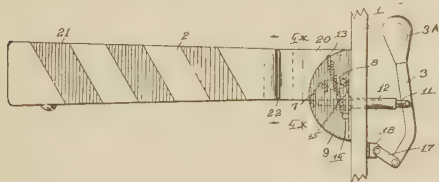
1. A coupling head, comprising a body having a port extending therethrough and surrounded by an annular gasket seat, said seat including a ring of non-corrodible metal embedded in and having its inner and outer circumference embraced by the metal of said body.

1,460,624. INSULATING CAP FOR ELECTRICAL-CABLE JOINTS. FREDERIK MARINUS VAN GELDEREN, Enschede, Netherlands. Filed Mar. 3, 1923. Serial No. 622,641. 9 Claims. (Cl. 173-268.)



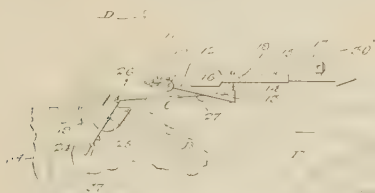
9. The combination with a hollow insulating cap for the bare ends of electrical conductors, said cap being internally screw-threaded, a coil of wire within said cap, said coil comprising two substantially conical sections apex to apex, the widest turn of one of said sections being in engagement with the threads of the cap adjacent the bottom of the same, the remaining portions of the coil being out of contact with the wall of the cap before application of the cap to the conductor, but expandible into engagement with the threads of the cap when the latter is applied to the conductor, the force of the engagement between the coil and the conductor being greater than the force of the engagement between the coil and the cap, whereby when the cap is unscrewed from the conductor the coil remains on the latter.

1,460,625. AUTOMOBILE SIGNAL. JOSEPH R. VIL-LARD, Rochester, N. Y. Filed Aug. 28, 1922. Serial No. 584,629. 4 Claims. (Cl. 116-52.)



1. In an automobile signal, the combination of a base, a pair of toggle levers mounted to swing on said base, a signal arm pivoted between said toggle levers and intermediate thereof, a push rod pivoted to the free end of said toggle levers and making contact with the inner or under edge of said signal arm, said push rod being adapted to be moved to swing said toggle levers with said signal arm on said base until said push rod slides under the end of said signal arm and allows said signal arm to rest on top of said push rod which then forms a supporting bracket for said signal arm to hold it in a horizontal position.

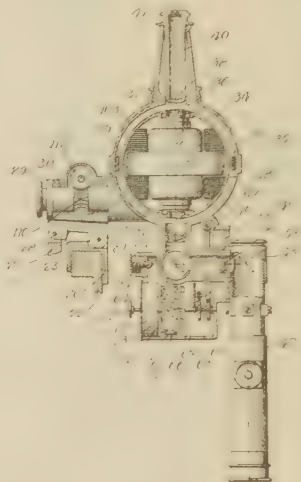
1,460,626. VEHICLE SIGNAL. GEORGE F. WARNER, Ennis, Tex. Filed June 10, 1922. Serial No. 567,357. 4 Claims. (Cl. 116-47.)



1. A signaling device for vehicles comprising an indicator pivoted for horizontal swinging movement above the

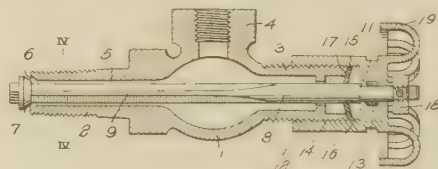
hood of a vehicle, a support carried by the windshield and having a bearing for said indicator, a control lever mounted within the vehicle and having an operative connection with said indicator whereby to swing the latter, said indicator being formed of sections hingedly connected by a rule joint whereby the foremost section may be swung upwardly into vertical position out of obstructing relation to the hood to permit opening of the latter.

1,460,627. PRECISION INSTRUMENT FOR AIR-PLANES, ETC. IRA A. WEAVER, Springfield, Ill. Filed Aug. 3, 1918. Serial No. 248,182. 29 Claims. (Cl. 88-1.)



1. In an appliance of the character described, the combination of a gyroscopically controlled sight, an adjustable sight-piece adapted to be brought into register with said gyroscopic-sight, and a telescope angularly adjustable relatively to said sight-piece, substantially as described.

1,460,628. SAFETY LOCOMOTIVE-CAB VALVE. PETER WERTZ, Pittsburgh, Pa. Filed Nov. 16, 1921. Serial No. 515,649. 4 Claims. (Cl. 251-45.)

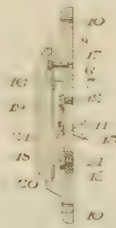


1. A valve comprising a casing provided with a passage therethrough, oppositely extending threaded nipples thereon, a valve seat formed at the extremity of one of said nipples, a rod having cleaning wings fitting the said passage and formed with a valve head at one end cooperating with the seat and projecting beyond and through an opening in a cap threaded on the other nipple, said rod having a shoulder against which the cap abuts to open the valve, and a head on the rod beyond the cap with which the cap contacts to lock the valve to its seat, the distance between said shoulder and head being greater than the thickness of the cap to provide a lost motion connection between the cap and rod.

1,460,629. SWITCH. MERLE J. WEST, Milwaukee, Wis., assignor, by mesne assignments, to H. W. Le Mahieu, Oostburg, Wis. Filed Mar. 10, 1921. Serial No. 451,153. 2 Claims. (Cl. 200-159.)

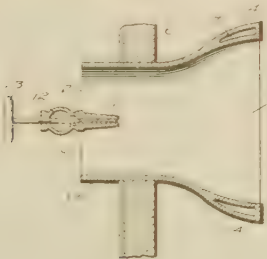
2. In a circuit closer, the combination of a metal base member having a recess, binding posts for securing the ends of the conductor wires within said recess, one of

said posts being insulated from said member, a resilient plate within the recess and detachably secured at one end to said base member and having its free end movable into



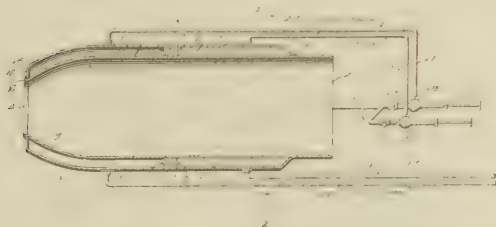
contact with said insulated binding post, an actuating pad having its base fitting in said recess, and a detachable slip-on interlocking connection between said pad and plate.

1,460,630. OIL BURNER. ROBERT W. WIEDERWAX, Atlantic City, N. J., assignor to Geist Manufacturing Company, Atlantic City, N. J., a Corporation of Delaware. Original application filed July 25, 1921, Serial No. 487,534. Divided and this application filed Apr. 13, 1922. Serial No. 552,268. 4 Claims. (Cl. 158-53.)



4. A burner comprising a casing forming a combustion chamber, a nozzle arranged adjacent the rear of said combustion chamber, the walls of said casing converging vertically forwardly of said nozzle and diverging horizontally to provide a broad outlet of restricted height, a vaporizing retort surrounding the forward end of said casing, said retort terminating at substantially the point where the flame from said nozzle strikes the wall of the combustion chamber, means for conveying fuel to said retort, and means for conveying vaporized fuel from said retort to said nozzle.

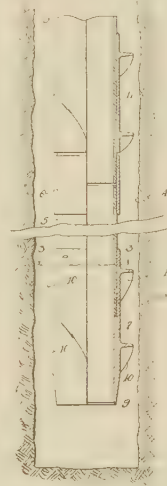
1,460,631. BURNER. ROBERT W. WIEDERWAX, Atlantic City, N. J., assignor to Geist Manufacturing Company, Atlantic City, N. J., a Corporation of Delaware. Filed June 2, 1922. Serial No. 565,339. 6 Claims. (Cl. 158-56.)



6. A burner for liquid fuels comprising a substantially tubular burner casing having open ends, a retort surrounding the rear of said casing, a preheater surrounding said casing forwardly of said retort, a burner pipe arranged adjacent the rear of said casing, a jet arranged in said burner pipe, a pipe connecting said jet to said

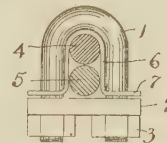
preheater to deliver heated fluid to said jet, a branch pipe extending from said burner pipe intermediate the ends of said jet, and a pipe connecting said branch pipe to said retort.

1,460,632. CENTERING CEMENTING SHOE. WILSON B. WIGLE and WALTER HUGHES, Long Beach, Calif. Filed June 28, 1922. Serial No. 571,516. 6 Claims. (Cl. 166-9.)



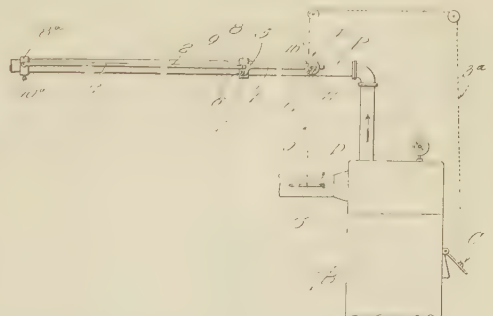
1. A cement centering fitting for casing comprising a tubular body adapted to be mounted on the casing, said body being provided with spacing vanes projecting therefrom.

1,460,633. ROPE CLAMP. JOHN B. WOODBURY, South Portland, and GEORGE C. SOULE, Portland, Me. Filed Mar. 22, 1922. Serial No. 545,847. 1 Claim. (Cl. 24-135.)



In a rope clamp, the combination of a U-shaped bolt, a base plate, a U-shaped bearing plate embraced by said bolt and bent outward at its lower ends to form retaining flanges, said base plate and flanges having openings for the passage of said bolt and tightening means for said bolt.

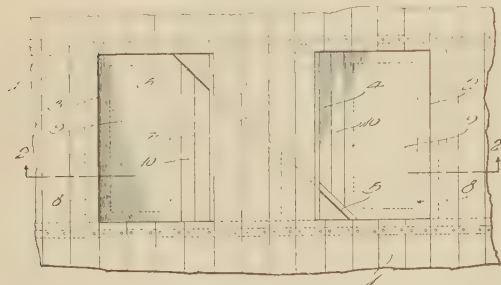
1,460,634. DRAFT REGULATOR. CLAUDE H. ABBOTT, Lisbon, N. Dak. Filed Jan. 24, 1921. Serial No. 439,581. 5 Claims. (Cl. 236-103.)



5. In a draft regulator, a lever provided at its free end with a lateral extension providing an axle, a drum

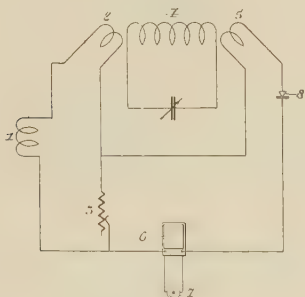
rotatable on the axle, a stop on the free end of the axle, a dial surrounding the inner end of the axle, a pointer carried by the drum and co-operable with the graduations on the dial, and a coiled spring surrounding the axle between the drum and the dial to hold the drum in various set positions.

1,460,635. ELEVATOR DUMP. ISAAC S. ALTON, Oxford, Kans. Filed Sept. 25, 1922. Serial No. 590,502. 3 Claims. (Cl. 193—31.)



1. A distributing dump comprising a platform having spaced openings, a partition beneath said platform and between said openings, chutes extending from said openings in opposite directions and extending across said partition for depositing material upon the opposite sides of the partition, each chute having an opening beneath the opening in the platform from which the chute extends, and a cover movable from a lowered position closing the opening to an elevated position forming a barrier extending across the chute for directing material through the opening in the chute.

1,460,636. WAVEMETER. PIERRE JULES ARMAGNAT, Paris, France. Filed Aug. 9, 1920. Serial No. 402,396. 1 Claim. (Cl. 250—39.)

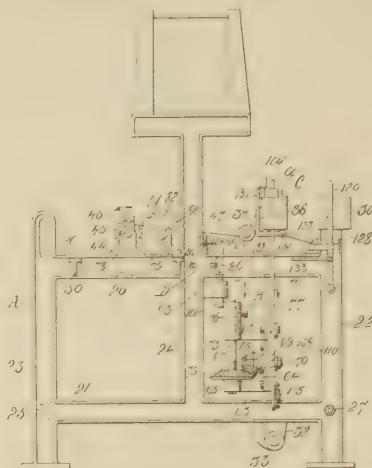


Apparatus for use in measuring the lengths of continuous electric waves, said apparatus comprising a circuit containing a coil, a second coil and an adjustable non-inductive resistance, a calibrated oscillating circuit having a condenser and a coil in inductive relation with the coil, and a circuit containing a coil in inductive relation to the coil, a buzzer, detector, telephone and the non-inductive resistance.

1,460,637. SHUTTLE-OPERATING MECHANISM. ALFRED AULETTA, Bayonne, N. J., assignor of one-third to Peter Paris, Bayonne, N. J. Filed May 27, 1922. Serial No. 564,089. 8 Claims. (Cl. 139—146.)

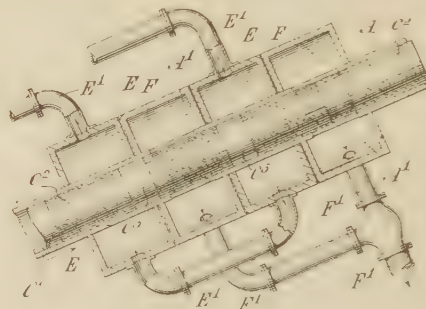
2. In a shuttle operating mechanism the combination of a bracket plate, means to swing the plate, a picker

stick pivoted to the plate, a shaft journaled to the plate, a gear fastened to the shaft, a contact arm ex-



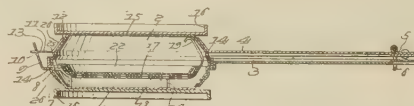
tending from the shaft, a stop plug, means to locate the stop plug in the path of the contact arm.

1,460,638. PROCESS AND APPARATUS FOR COKING THE DISCHARGED MATERIAL FROM LOW-TEMPERATURE DISTILLATION APPARATUS. EDWARD BARRS, London, England. Filed Dec. 22, 1921. Serial No. 524,155. 7 Claims. (Cl. 202—8.)



1. In apparatus for coking fuel and for the production of gas, the combination with a tubular retort in the form of a conduit through which fuel can be fed continuously, at least one heating jacket surrounding a portion of said conduit, and means for supplying a heating medium to the heating jacket, of at least one gas-withdrawing jacket that surrounds another portion of said conduit, which latter portion has in its wall a plurality of ports that put the gas-withdrawing jacket into open communication with the interior of said conduit, and means for conducting gas away from the gas-withdrawing jacket.

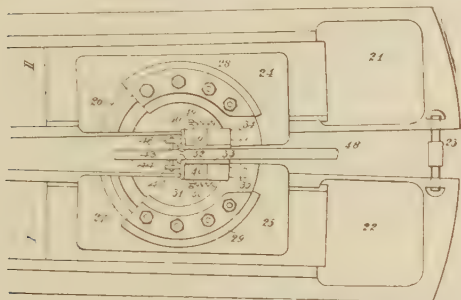
1,460,639. COMBINED FIELD OVEN AND COOKING UTENSIL. BERNARD L. BRADDICK, Washington, D. C. Filed July 15, 1922. Serial No. 575,316. 2 Claims. (Cl. 53—6.)



1. In a combined field oven and cooking utensil, the combination with a pair of complementary pan sections, one being inverted over and engaging the other, means for latching said pan sections together, each pan section having its marginal flange provided with a cylindrical portion, a perforated steamer plate, bracket plates

secured to the under face of the steamer plate and having lateral arms to engage the cylindrical portion of one of the pan sections, and provided with downwardly extending legs to engage the bottom of one of the pan sections, to support the steamer plate.

1,460,640. METHOD AND MACHINE FOR PLANING HELICAL TEETH, MORE PARTICULARLY FOR BEVEL GEARS. HEINRICH BRANDENBERGER, Vienna, Austria. Filed Jan. 5, 1921. Serial No. 435,268. 4 Claims. (Cl. 90-9.)



1. The method of planing helical teeth, consisting in proportioning the ratio of the number of strokes of the cutting tool to the number of revolutions of the constantly rotating work so that the cutting tool misses a number of pitch intervals.

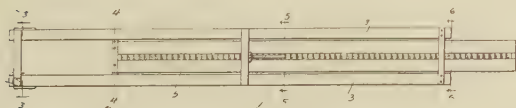
3. In a planing machine for making bevel gear wheels with helical teeth, tool slide guides, tools and tool receiving heads adjustable in a circular arc about an axis perpendicular to their line of motion in such a manner that the direction of the tools to the line of motion of the tool heads may be altered without changing the cutting edges of the tools from their positions substantially centrally of the arc.

1,460,641. DETACHABLE CIGAR BAND. ERNEST L. BROOME, Tarrytown, N. Y. Filed May 25, 1922. Serial No. 563,639. 4 Claims. (Cl. 40-21.)



1. The combination with a cigar, of a band, and a substance sensitive to heat at a low temperature for fastening the band upon the cigar, said substance being melted when subjected to heat from the cigar when lighted.

1,460,642. BOOKRACK. LUTHER DOYLE CADENHEAD, McKinney, Tex. Filed July 17, 1922. Serial No. 575,731. 1 Claim. (Cl. 45-53.)

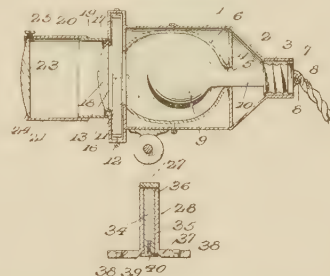


An adjustable book rack comprising a base composed of two sections, slidably connected, and two end walls, one end wall being rigidly connected to an end of one of the sections, the other end wall being slidably connected to the other section for adjustment therealong and means for holding the said end wall against adjustment on the said section.

1,460,643. CEMENTITIOUS COMPOSITIONS SUITABLE FOR FLOORING, PAVING, AND SO FORTH. CHARLES F. CURTIS, London, England. Filed Aug. 22, 1921. Serial No. 494,370. 4 Claims. (Cl. 106-24.)

4. A cementitious composition comprising a mixture of coke breeze, sand, wood dust in substantially equal proportions, about one-third the quantity of plaster of Paris, about double the quantity of Portland cement, and water in which a small quantity of alum has been dissolved.

1,460,644. CHANGEABLE-COLOR SPOTLIGHT. JAMES MARTIN DOLLISON and CLAUDE EUGENE SMITH, Columbus, Ohio. Filed June 8, 1922. Serial No. 566,737. 3 Claims. (Cl. 240-3.)



1. In a device of the character described, a casing having an opening at one end and being adapted to support a light emitting element therein, means within the casing for projecting rays of light from the light emitting element through the opening, a color disk rotatably supported in eccentric relation to the opening in the casing and having a plurality of translucent portions of different colors arranged in an annular series between its axis of rotation and its periphery, in position to be successively interposed between the light emitting element and the opening as the color disk is rotated, a lamp stand supporting the casing in vertical position with the end having the opening therein uppermost, a lamp shade encompassing the casing, and an inverted conical reflector within the lamp shade above the casing having the opening for reflecting rays of light upon the lining of the lamp shade.

1,460,645. WINDOW PROTECTOR. LEE W. DUNCAN, Fort Wayne, Ind. Filed May 22, 1922. Serial No. 562,664. 2 Claims. (Cl. 20-40.)



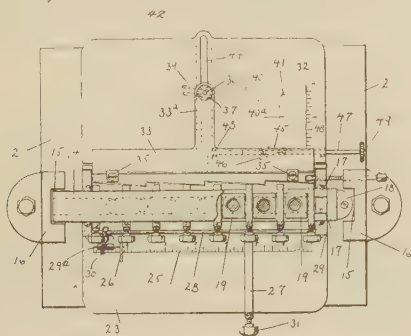
1. A window protector comprising a support formed with an opening in one of its ends, a shank adapted

for slidable and removable engagement within the opening, resilient means for engaging a pane of glass carried by the shank, and means arranged on the shank between the end of the support and the resilient pane engaging means for adjusting the position of the shank with respect to the support whereby to adjust the pressure of the resilient means upon the pane of glass.

1,460,646. ICE MANUFACTURE. RIDSDALE ELLIS, Oak Park, Ill. Filed Jan. 20, 1919. Serial No. 272,212. 12 Claims. (Cl. 62-172.)

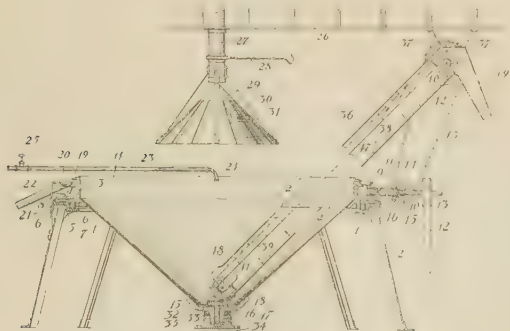
1. The process of making raw water ice which includes subjecting the water to softening treatment to eliminate calcium and magnesium salts then adding a substance adapted to increase materially the solubility of the calcium and magnesium compounds remaining in the water after the softening treatment and then freezing the water so treated.

1,460,647. DEVICE FOR PERFORATING PAPER. ISRAEL H. FRUCHTER, New York, N. Y. Filed Sept. 21, 1921. Serial No. 502,105. 2 Claims. (Cl. 164-118.)



1. In a perforating device, a plurality of reciprocative plunger-dies adapted to be vertically moved by pressure, and a follower for holding said dies, adjustable sleeve-bearings for said dies, means for mounting said bearings and means for fixing said bearings in spaced relation, and a plurality of pierced die-plates having their openings in register beneath said plunger-dies, and a table for carrying a plurality of sheets to be perforated by said plunger-dies, and means for fixing said sheets over said die-plates, and means for guiding and gaging said sheets comprising a reciprocating slide, and means for actuating said slide and means for mounting and supporting the said parts.

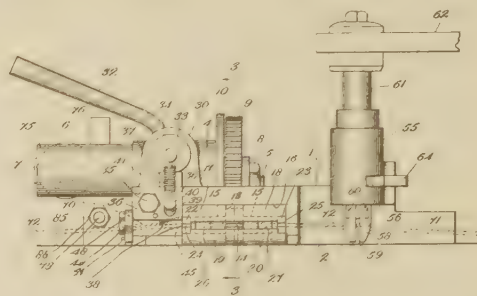
1,460,648. METHOD OF PURIFYING GARLICKY WHEAT. JOHN E. GASKILL, St. Louis, Mo. Filed May 23, 1919. Serial No. 299,289. 7 Claims. (Cl. 83-28.)



1. The method of purifying normal wheat of its associated green garlic, comprising, immersing the grain and its garlic impurity in their normal states in a

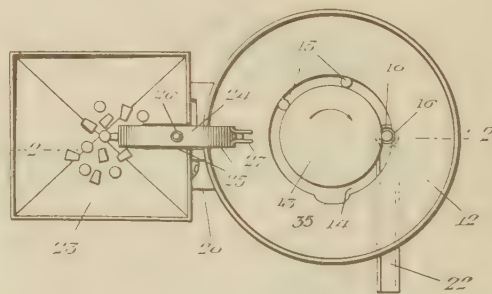
liquid of a suitable specific gravity so as to cause the impurity to separate from the grain by flotation, and separately withdrawing the grain and impurity so separated.

1,460,649. WIRE STRETCHING AND TYING MACHINE. ALEC J. GERRARD, Chicago, Ill. Continuation of application Serial No. 282,390, filed Mar. 13, 1919. This application filed May 13, 1920. Serial No. 381,165. 17 Claims. (Cl. 140-93.)



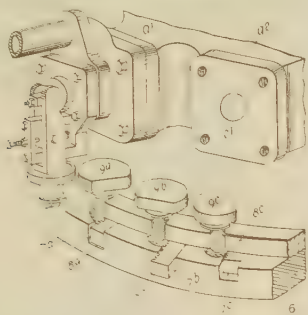
1. In a portable wire twisting machine, the combination of a frame provided with a slot; rearwardly extending means rigid with said frame; forwardly extending means rigid with said frame; a wire twisting means having a slot adapted to register with the slot of said frame and disposed between said first and second named means, said first and second named means having dimensions adapted to prevent the machine from tilting during its operation and said second named means being provided with a tapered surface forming a continuation of one side of the slot with which said frame is provided and adapted to facilitate the placing of the wires to be twisted in said first and second named slots, substantially as described.

1,460,650. CORKING MACHINE. SCOTT GILLESPIE and FREDERICK L. SHELOR, Salem, Va.; said Shelor assignor to International Filler Corporation, Petersburg, Va., a Corporation of Virginia. Filed June 15, 1920. Serial No. 389,254. 12 Claims. (Cl. 83-92.)



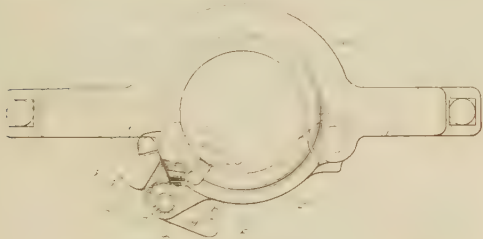
1. In a mechanism of the character described, a stationary member, and a cooperable movable member, said members having adjacent edges spaced apart horizontally to provide a slot of a uniform width, said edges being so arranged relatively to one another and the slot being of such a width that the smaller ends of tapered articles disposed between said members will pass down through said slot with the larger ends of the articles uppermost and supported by said edges and with the articles in rolling abutment against said edges, in order that such articles will be given a rolling motion about their axes between said edges with the axes of the articles disposed vertically, the stationary member having a notch in said edge thereof for releasing the articles to drop downwardly.

- 1,460,651. CAM. ROBERT FREDERICK HALL, Moseley, near Birmingham, England. Filed Nov. 5, 1920. Serial No. 422,048. 11 Claims. (Cl. 74-1.)



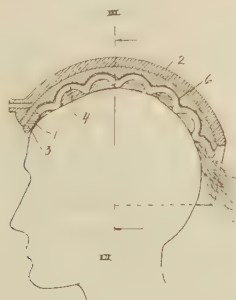
1. A cam mechanism including a supporting structure, means forming an operating surface for a cam comprising a series of eccentrically pivoted tappets, and operating means for rotating the tappets to vary the operating surface.

- 1,460,652. WELL ELEVATOR. HU M. HARRIS, Chattanooga, Tenn., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn., a Corporation of Tennessee. Filed Jan. 11, 1921. Serial No. 436,468. 8 Claims. (Cl. 294-90.)



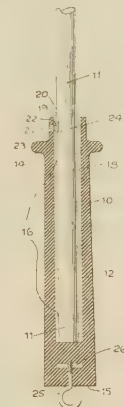
1. In a well elevator comprising a body and a gate hinged at one end to the body, the combination of a catch, a latch adapted to engage said catch when the gate is closed, and means for locking said latch in closed position, said locking means being spaced from said latching mechanism and operable by the load imposed on the elevator.

- 1,460,653. HAIR-WAVING MACHINE. JOHN MARTIN HIGGINS, Sacramento, Calif. Filed Nov. 20, 1922. Serial No. 602,195. 5 Claims. (Cl. 132-31.)



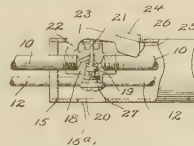
5. Means for producing a Marcel wave or the like comprising a comb consisting of a curved band adapted to transversely lie on the front portion of the head and a plurality of waved teeth extending rearwardly therefrom, said teeth being curved to follow the outline of the head, and a heating element hingedly secured to the comb having a waved bottom surface registering with the waves of the teeth.

- 1,460,654. INSULATED HANDLE FOR TOOLS. CHARLES P. L. HUSTON, Plainfield, N. J. Filed Apr. 2, 1919, Serial No. 286,917. Renewed Aug. 4, 1922. Serial No. 579,772. 12 Claims. (Cl. 16-116.)



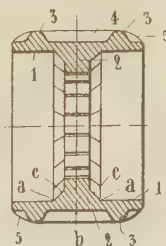
1. In a device of the class described, in combination, an insulated handle adapted to be used in connection with the shank of a tool, and resilient means associated with and mounted within said handle for gripping said shank.

- 1,460,655. COMBINATION CUTTING AND WELDING TORCH. ALEXANDER F. JENKINS, Baltimore, Md. Filed Aug. 11, 1919. Serial No. 316,640. 3 Claims. (Cl. 158-27.4.)



1. In a torch of the class described, conduits for gases including a conduit for cutting oxygen, a valve movable transversely of the handle for controlling the passage of fluid through said conduit, said valve having a projecting stem, a spring normally tending to close the valve, a pivoted lever adapted to be forced against the valve stem, to open the valve, a button slidably secured to the pivoted lever and provided with a latch, said valve stem bearing against the lever at a point intermediate its pivotal axis and said button and a tubular handle surrounding the gas conduits and said valve, the handle being slotted for the pivoted lever and the end wall of the slot serving as a catch for the latch secured to the button.

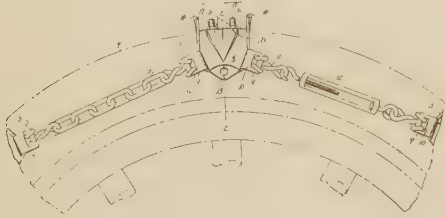
- 1,460,656. TRACK BELT FOR MOTOR VEHICLES. ADOLPHE KÉGRESSE, Paris, France. Filed Mar. 30, 1921. Serial No. 457,110. 2 Claims. (Cl. 305-10.)



1. A track belt for automobiles, comprising an endless band of rubberized fabric having on its inner surface an

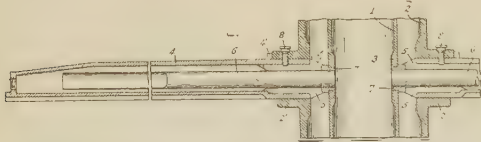
endless line of integral blocks spaced midway between the edges thereof and adapted to engage the peripheral surfaces of the driving wheels around which the belt is to pass, so as to guide the belt in its movements; said belt having on each side of said line of blocks a continuous, plane portion for engagement by the guide rollers which distribute the load over the driving stretch of the belt, and having on its outer surface continuous, integral tread projections forming track rails and integral ground gripping projections, the rail-forming projections on the outer surface of the belt being located opposite the plane portions of the inner surface.

- 1,460,657. ANTISLIPPING ATTACHMENT FOR VEHICLE TIRES. ROBERT R. KINTZ, Meriden, Conn. Filed Mar. 24, 1922. Serial No. 546,386. 3 Claims. (Cl. 152—14.)



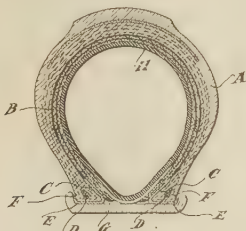
3. An anti-slipping device for vehicle tires, comprising a saddle, including a plate, and inwardly-projecting arms, means for connecting a series of saddles, said plates formed at opposite ends with angular flanges and with centrally-arranged angular flanges, said plates also formed with a series of threaded openings for the reception of calks.

- 1,460,658. RABBLING ARM FOR ROASTING FURNACES. DUDLEY BAIRD, Berkeley, Calif., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Feb. 5, 1920. Serial No. 356,553. 3 Claims. (Cl. 257—119.)



2. A rabble arm construction of the type described comprising an external tubular member, an internal tubular member projecting beyond the inner end of said external member, radially-extending devices spaced from each other on one of said members near the inner end thereof for supporting said internal member within the external member and spaced from the walls thereof, said devices projecting beyond the inner end of said external member, and a joint-forming member carried by the outer ends of said devices.

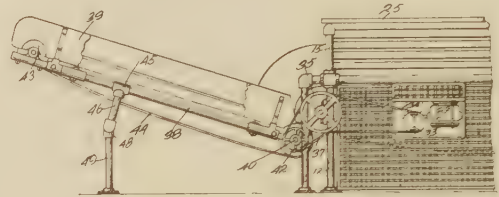
- 1,460,659. BOOT AND LINER FOR AUTOMOBILE AND SIMILAR CASINGS. JAMES L. D. BLEVANS, Dallas, Tex. Filed Nov. 30, 1920. Serial No. 427,447. 1 Claim. (Cl. 152—24.)



A boot for a tire casing having beads, metal hooks arranged upon the outer faces of the boot near its edges,

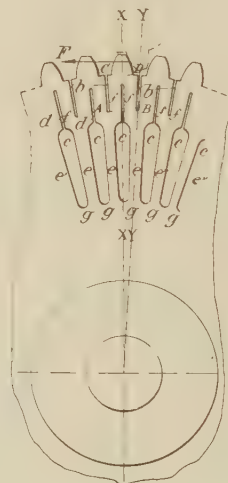
each hook comprising an inner portion to engage the inner face of the bead, a base carried by the inner portion engaging the bottom wall of the bead, and an outer flange projecting upwardly from the base to engage the outer face of the bead, said hooks having interlocking engagement with the beads whereby the boot is held securely connected to the beads when the beads are spread during the insertion of the inner tube.

- 1,460,660. CONVEYER DEVICE FOR LAUNDRY ASSORTING AND MARKING BOOTHS. CHESTER W. CANINE, Cincinnati, Ohio. Filed Feb. 14, 1921. Serial No. 444,856. 10 Claims. (Cl. 186—14.)



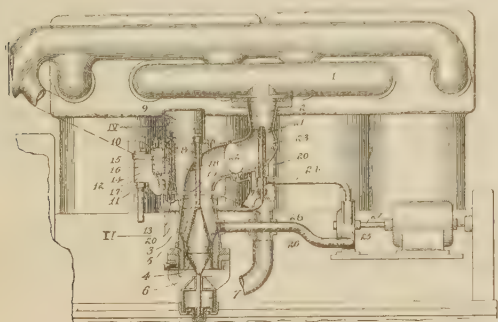
1. The combination with a series of laundry marking and assorting booths having frames, of a conveyer frame attached to and forming part of the adjacent booth constructions, an endless conveyer mounted therein, a top member supported on the frame above the conveyer, and a side wall supported on the frame above the conveyer, the side wall adjacent to the booths being provided with a series of openings, one for each booth, through which material may be passed from the boots upon the conveyer, for the purposes stated.

- 1,460,661. FLEXIBLE GEARING. MARCEL DE CONINCK, Le Havre, France. Filed June 8, 1920. Serial No. 387,384. 4 Claims. (Cl. 74—29.)



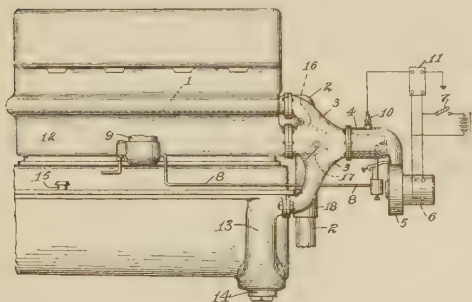
1. A gear wheel formed of a plurality of toothed disks keyed to the same shaft, the teeth of these disks being flexibly mounted with respect to the body of said disk and having also an elastic connection with neighboring teeth of the same disk so as to be capable of a peripheral displacement of the same order of magnitude as that due to the torsion or flexion of the wheel for small differences in the value of the tangential force on the different disks.

transfer pipe receiving said liquid after measurement and delivering the same into mixing relation to the air flow



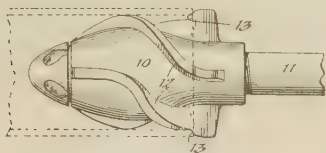
in said intake and means independent of the engine suction for forcibly atomizing the liquid delivery from said pipe.

1,460,668. INTERNAL-COMBUSTION ENGINE. JOHN GOOD, Brooklyn, N. Y., assignor to Good Inventions Co., New York, N. Y., a Corporation of New York. Filed May 9, 1919. Serial No. 295,952. 4 Claims. (Cl. 123—196.)



1. In an internal combustion engine, a water-jacket or water jackets surrounding the cylinder combustion space or spaces, a passage alongside the cylinder or cylinders between the water-jacket and the crank case, and means independent of the combustion in the engine for passing a heating medium through said passage.

1,460,669. BOILER-TUBE CLEANER. JOHN H. GOOD-FELLOW, Buffalo, N. Y. Filed Nov. 3, 1919. Serial No. 335,266. 5 Claims. (Cl. 122—390.)



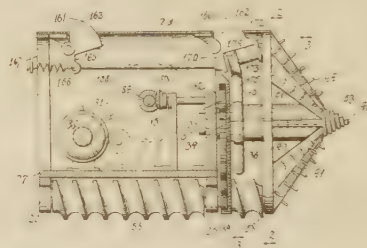
1. A boiler tube cleaner comprising a hollow body, spiral flanges arranged in spaced relation on the outer face of said body, and a nozzle arranged at the front end of said body and provided with a plurality of forwardly diverging jet openings for the passage of the cleaning medium therethrough, the outlet ends of said openings being flared and located in the sides of said nozzle and immediately in front of the spaces between said flanges.

1,460,670. GAME APPARATUS. NOAH S. HARTER, Waukegan, Ill., assignor of one third to George F. Rummel and one third to A. T. Weaver, both of Chicago, Ill. Filed May 18, 1921. Serial No. 470,569. 4 Claims. (Cl. 46—4.)



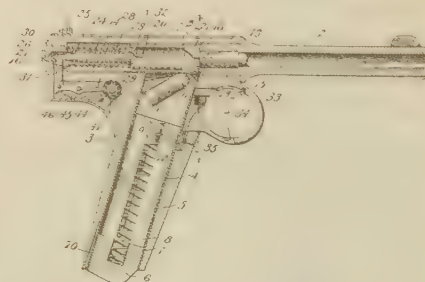
1. A device of the character described comprising a frame; an impact indicator; an inertia weight and a fabric target tensioned by the inertia weight and the indicator and supported on the frame.

1,460,671. EXCAVATING MACHINE. WILHELM HEB-SACKER, Heilbronn, Germany. Original application filed June 17, 1920, Serial No. 389,780. Divided and this application filed May 17, 1921. Serial No. 470,313. 15 Claims. (Cl. 262—7.)



1. An excavating machine comprising a non-rotatable body, a rotary cutter head in front of said body, a propelling device projecting laterally from the body to engage the bore of the excavation and movable forward and rearward relatively to said body, and means for moving said device alternately in opposite directions.

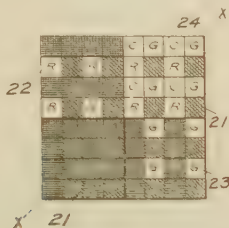
1,460,672. AUTOMATIC PISTOL. JOSEPH H. HINES, Auburn, Calif. Filed Jan. 11, 1922. Serial No. 528,474. 10 Claims. (Cl. 42—3.)



1. In a pistol of the character described a breech, a stationary barrel carried thereby, a chamber formed within the breech and in alignment with the barrel, a hollow breech block slidably mounted in said chamber, a

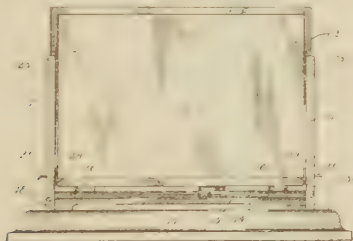
firing pin in said chamber guided and slidable independently of the breech block, separate springs arranged interiorly of the breech block and exteriorly of the firing pin for actuating the said parts, and a stationary guide common to both springs.

1,460,673. METHOD OF COLOR PHOTOGRAPHY AND PHOTOGRAPHIC ELEMENTS. MARCUS C. HOPKINS, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 6, 1916. Serial No. 95,967. 15 Claims. (Cl. 95—2.)



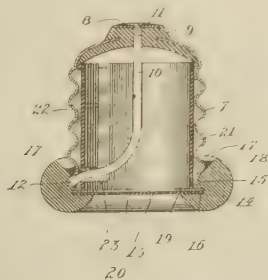
1. In a photographic element for use in color photography, the combination with a translucent support of filter elements thereon, there being windows separating said filter elements, and light sensitive emulsion opposite said windows to receive light therethrough, each separated filter element being of one color throughout its entire area.

1,460,674. SIGN BOX. GEORGE B. HUTCHINGS, Richmond, Va. Filed Mar. 20, 1920, Serial No. 367,516. Renewed Nov. 21, 1922. 6 Claims. (Cl. 40—65.)



1. A display device comprising a casing, provided with lighting means and power means, a reciprocating support moved by the power means and an interchangeable unit carrying a screen member and a picture member capable of being moved one in relation to the other to give an animated action, said unit being adapted to be inserted into the casing upon the reciprocating member, which gives effective action to the moving member within the unit.

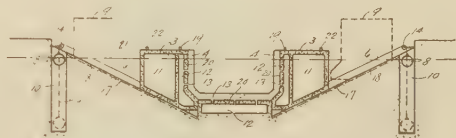
1,460,675. ELECTRIC FUSE PLUG. WILLIAM ILE, Lynbrook, N. Y., assignor to Hemco Electric Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed May 21, 1919. Serial No. 298,820. 3 Claims. (Cl. 200—130.)



1. In a fuse plug, a threaded metallic shell contact, an end contact, an insulating closure for one end of the

shell molded in embedded relation to and insulating the shell and end contacts from each other and having a central perforation, a fuse wire within the shell in electrical connection with the shell and the end contact through the perforation in the insulating material, a transparent disk of insulating material to close the end of the shell opposite to the end contact, and an annular member having threaded connection with the end of the shell for clamping the transparent closure disk and arranged to serve as a fingerpiece to manipulate the plug.

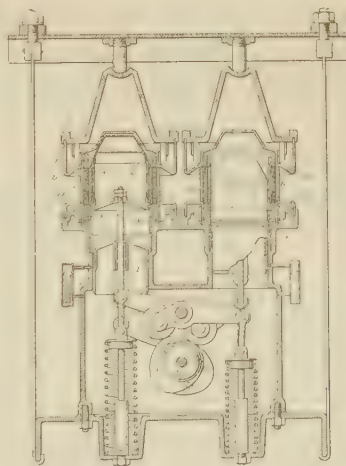
1,460,676. MOLD FOR MAKING SHIP HULLS AND LIKE FLOATABLE STRUCTURES. EDWARD A. LARSEN, Larkspur, Calif. Filed June 30, 1921, Serial No. 481,563. Renewed May 14, 1923. 10 Claims. (Cl. 25—130.)



2. A mold adapted to be brought successively into positions for molding and also for releasing the product of the mold by lowering or raising the water in which the mold is inundated and means for operating the mold in such manner and means for enclosing and controlling the water for raising or lowering the level of same to accomplish this purpose.

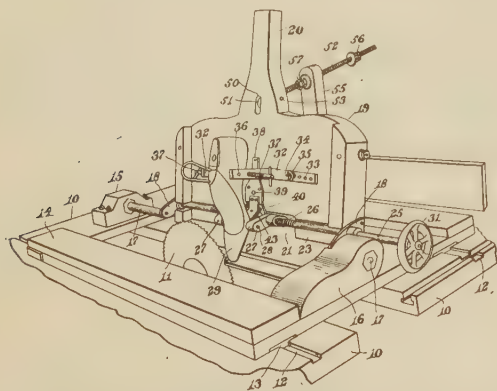
9. In the combination with a floatable submersible dry dock, a mold adapted to be assembled and disassembled by varying the water level relative to the keel of the mold and means to cause the mold to operate as the water level varies.

1,460,677. AIR-REFRIGERATING MACHINE. IVAR LUNDGAARD, Hartford, Conn., assignor to The Automatic Refrigerating Company, Hartford, Conn., a Corporation of New Jersey. Filed May 22, 1922. Serial No. 562,907. 7 Claims. (Cl. 62—136.)



1. A closed cycle refrigerating system operating with gaseous mediating fluid, comprising in combination a plurality of heat absorbing and delivering units, arranged successively in the path of the mediating gas and in non-conductive relation to each other, means for insulating said units from the outside environment, and means for causing the mediating gas to move past said units in succession.

1,460,678. MACHINE FOR SAWING LASTS. THEODORE W. McNICHOL, Swampscott, Mass. Filed July 26, 1920. Serial No. 398,935. 12 Claims. (Cl. 143—59.)



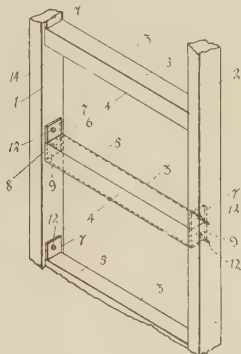
1. The combination with a circular saw and rotating means therefor; a work support comprising a slidable frame movable in a path parallel with the sides of said saw and having an opening through which the upper part of the saw extends; a pivoted last-clamping member movable with said carriage and adjustable to present different parts of the last to said saw in different movements of the clamping means toward said saw; a means carried by said member adapted to bear against the bottom of the last whereby the last may be adjusted to various horizontal and vertical angles.

1,460,679. LAST AND METHOD OF MAKING SAME. THEODORE W. McNICHOL, Swampscott, Mass. Filed July 26, 1920. Serial No. 398,936. 6 Claims. (Cl. 12—133.)



1. A remodelled last having a transversely extending V-shaped notch in the toe end of the body thereof, the vertex of which is parallel to the sole face and perpendicular to the longitudinal axis of said last; and a toe piece secured therein and projecting beyond the walls of said notch.

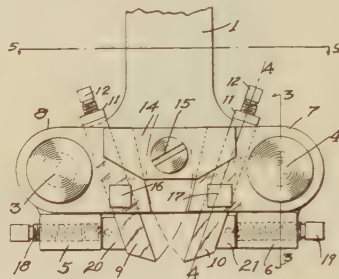
1,460,680. REPLACEABLE LADDER RUNG. FRANCIS T. PETERS, Decatur, Ill. Filed Jan. 30, 1922. Serial No. 532,544. 1 Claim. (Cl. 228—58.)



A device of the character described comprising an angle iron having laterally bent portions of its two

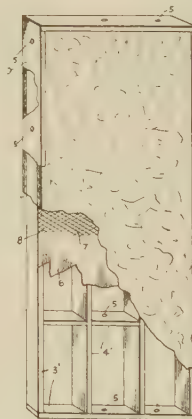
respective sides at each end thereof, the laterally bent portions of the two respective ends being disposed in a single plane transverse to the body portion of the angle iron, the laterally bent portions at one side being bent away from said angle iron and the laterally bent portions of the other side being bent to provide a web between the sides of the angle iron, each of said bent portions being provided with an opening therethrough to receive a wood screw or the like.

1,460,681. PLANER-TOOL HOLDER. OSCAR J. SARLANDT, San Francisco, Calif. Filed Jan. 24, 1921. Serial No. 439,383. 5 Claims. (Cl. 90—53.)



1. A tool holder for planers and shapers comprising a shank, a pair of tool holders pivotally mounted thereon, oppositely projecting lugs for supporting said tool holders, tools carried by each tool holder between the pivots of the two tool holders, and means to prevent each tool holder from twisting laterally.

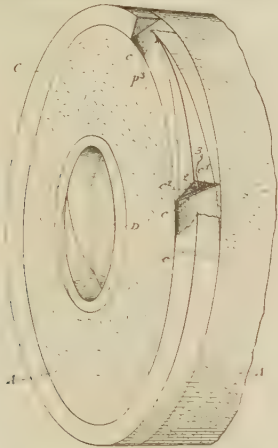
1,460,682. BUILDING SLAB. JOHN C. SCHLEICHER, Mount Vernon, N. Y. Filed Sept. 13, 1919. Serial No. 323,560. 3 Claims. (Cl. 72—40.)



1. A slab of the class described comprising an interior framework providing air spaces, an outer framework extending slightly beyond said interior framework, and a filling on each side of said framework and between the same forming cement faces.

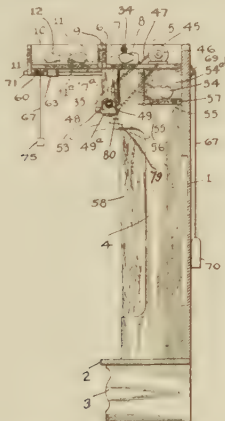
1,460,683. PLASTIC OBTURATOR FOR GUN BREECHES. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint-Stock Company of France. Filed June 9, 1921. Serial No. 476,301. 8 Claims. (Cl. 89—26.)
7. An obturator comprising a plastic pad and diagonally split rings triangular in cross section the base

sides of which bear against opposed edge portions of said pad, the inner end of each ring terminating in a



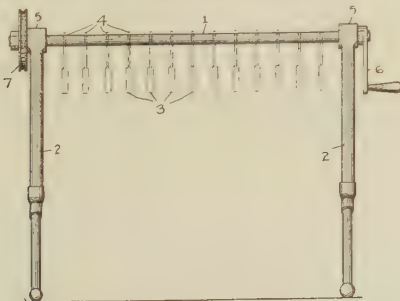
straight edge contacting with the pad and disposed substantially at right angles to the edges of the hypotenuse side.

1,460,684. DISPLAY FIXTURE. DAVID J. SEAMAN, Saginaw, Mich. Filed Oct. 5, 1921. Serial No. 505,607. 31 Claims. (Cl. 211-16.)



2. A garment display fixture having a back, and a top, a transverse rod supported beneath the top in position to receive garment hangers at right angles to the back, and curtains to cover the open sides and front, said top comprising fixed and movable sections, the movable section being adapted to fold back on the fixed section or to extend forwardly therefrom at will, and lighting means carried by both sections.

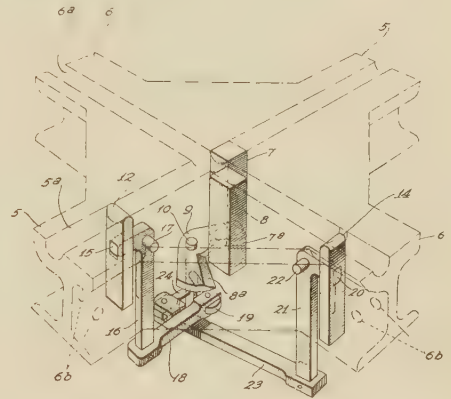
1,460,685. GARMENT RACK. DAVID J. SEAMAN, Saginaw, Mich. Filed Oct. 5, 1921. Serial No. 505,608. 6 Claims. (Cl. 211-14.)



2. A garment-rack comprising supports, a hanger-bar journaled to rotate therein, and means for rapidly rotating the bar about its axis.

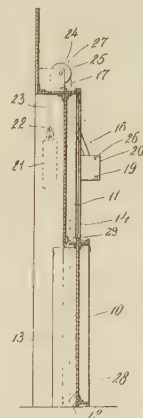
4. The method of spacing and shaping garments suspended by hangers from a common bar, which comprises rapidly rotating the bar about its axis.

1,460,686. RAIL CROSSING. MARTIN SVALLAND, New York, N. Y. Filed June 18, 1921. Serial No. 478,523. 9 Claims. (Cl. 246-273.)



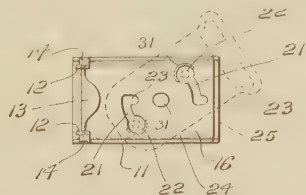
1. A rail crossover, embodying two intersecting rails, each of which is provided with a gap to permit the passage of the flange of a wheel on the other, a wheel supporting member for bridging each gap, a rotary operating member adapted to move one supporting member into supporting position and to simultaneously permit the retraction of the other supporting member, and controlling means associated with each rail for rotating the operating member, said operating member being constituted to remain in the position it is placed by the controlling means of one rail until it is positively rotated to another position by the controlling means of the other rail.

1,460,687. DOOR. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Mar. 22, 1922. Serial No. 545,636. 10 Claims. (Cl. 20-19.)



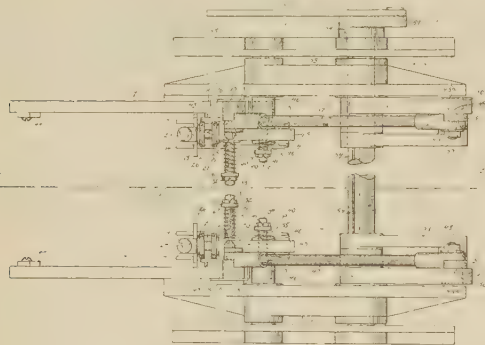
1. In combination, a door casing, a door having horizontally opposite parts arranged to move vertically, means for swinging the door inwardly as the vertically movable parts are raised, sheaves mounted substantially vertically above the door, and counterbalancing means including cables extending over said sheaves and connected to said door in a plane offset from the plane of the door when the door is closed whereby the portions of the cables between the sheaves and door connection will be inclined to the vertical and said counterbalancing means will exert a horizontal force against the door to force the door against the door casing.

1,460,688. BELT BUCKLE. HARRY L. TOOKER, Taunton, Mass., assignor to Taunton Pearl Works, Incorporated, Taunton, Mass., a Corporation of Maine. Filed Feb. 1, 1922. Serial No. 533,294. 6 Claims. (Cl. 24-78.)



1. A belt buckle comprising a body member having spaced apart front and back plates, means for securing one end of the belt between said plates, said back plates being provided with a laterally-extending lock stud receiving opening enlarged at its outer end, and extending longitudinally of the buckle at its inner end, a detachable member to which the opposite end of the belt is adapted to be secured, said member having a locking stud adapted to engage the opening in said back plate and be moved both laterally and longitudinally to locked position therein.

1,460,689. SHEET-FEEDING MECHANISM. CHARLES W. TREMPER, New Haven, Conn., assignor to The Fuller Mfg. Co., New Haven, Conn., a Corporation. Filed Aug. 17, 1922. Serial No. 582,373. 8 Claims. (Cl. 271-46.)



1. In a sheet-feeding mechanism, the combination with sheet-checking mechanism, including a slotted driving arm, of means traveling in said slot, and links connected with said traveling means, the opposite end of one of the said links being relatively fixed and the other link connected with a sheet-checking mechanism.

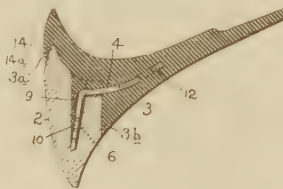
1,460,690. CELLULOSE-ETHER COMPOSITION. WILLIAM R. WEBB, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1921. Serial No. 465,931. 14 Claims. (Cl. 106-40.)

1. A composition of matter comprising cellulose ether and an aromatic side chain alcohol.

1,460,691. ARTIFICIAL TOOTH. JAMES LEON WILLIAMS, New York, N. Y., assignor to The Dentists' Supply Company, a Corporation of New York. Filed Jan. 29, 1920. Serial No. 354,978. 9 Claims. (Cl. 32-9.)

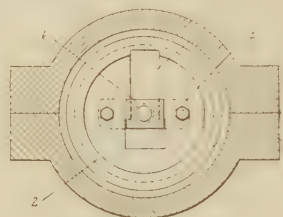
1. An artificial tooth and an anchor therefor adapted for use in dentures wherein the tooth has its upper part provided with a deep hole of greater width transversely than in a lingual-buccal direction, and said hole at the

lingual side terminating in a rearwardly directed deep notch extending to the rear wall of the tooth, and in which the anchor has a vertical part of greater width than thickness extending down into the hole of the tooth and cemented therein and also provided with a rearward-



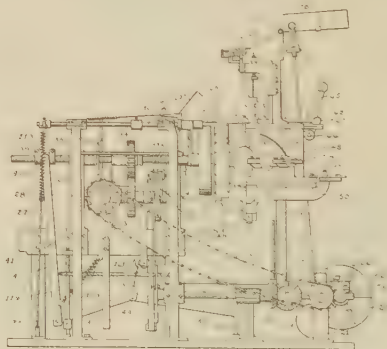
ly and upwardly projecting shank extending through and cemented in the deep notch of the tooth, and wherein further the side walls of the notch of the tooth are undercut for firmly holding the cement in which the rearwardly extending part of the anchor shank is embedded.

1,460,692. ADJUSTABLE CRANK PIN. ROBERT E. WINTERS, Coraopolis, Pa., assignor of one-half to Anthony C. Dean, Pittsburgh, Pa. Filed Apr. 22, 1921, Serial No. 463,547. Renewed Nov. 21, 1922. 9 Claims. (Cl. 74-38.)



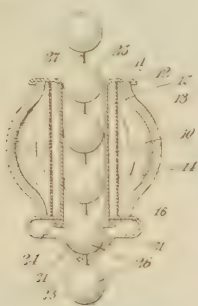
1. An adjustable crank pin comprising a driving shaft, a driven wheel, a reciprocable member, a pin adjustably mounted in said wheel and extending into a slot in said reciprocable member, a vane mounted on said driven shaft and arranged to creep outwardly thereon, means arranged to be operated by said vane to move the pin away from the center of said wheel, and resilient means exerting a force tending to move said pin toward the center of said wheel.

1,460,693. BOX-MAKING MACHINE. JOHN ALBRECHT, Kewaunee, Wis. Filed Feb. 20, 1922. Serial No. 538,075. 21 Claims. (Cl. 144-2.)



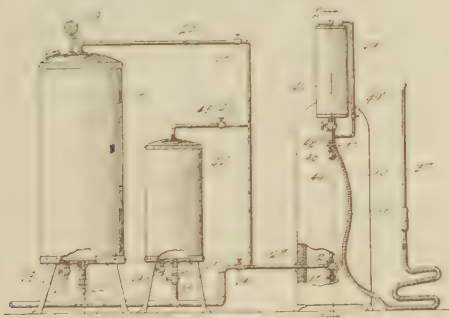
1. In a device of the class described the combination of means for holding a piece of box forming material; means for cutting a substantially circular box end from said material; means for positioning another piece of material in co-operative relation with said first piece while so held to form the side walls of a box; means for securing said pieces of material together; and means for moving said pieces of material to present successive portions thereof to said securing means.

1,460,694. LUMINOUS PENDANT. WILLIAM F. ARZINGER, Jersey City, N. J. Filed Aug. 5, 1921. Serial No. 489,996. 4 Claims. (Cl. 240—1.)



1. A pendant adapted for connection with a pull chain comprising a tubular member adapted to receive the pull chain, a tubular shell surrounding said tubular member, a carrying sheet having luminous material thereon, the carrying sheet being interposed between said tubular member and shell, and yieldable means for engaging one end of the pull chain for securing the pendant to the same.

1,460,695. LUBRICATING, CLEANING, AND PAINTING APPARATUS. FRANK A. BANNON, Dallas, Tex., assignor, by direct and mesne assignments, of two-thirds to Ridgell Keller and one-third to W. A. Thornton, both of Dallas, Tex. Filed Dec. 2, 1921. Serial No. 519,567. 2 Claims. (Cl. 299—84.)

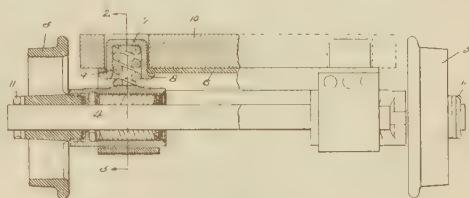


1. In a device of the type set forth, a fluid receptacle, a water service pipe, means to connect the bottom of the receptacle to the pipe so as to force fluid in the receptacle out of the top of the latter, a valved pipe connected to the top of the receptacle and to the water pipe to conduct the fluid into the water pipe, heating means connected to the water pipe, means to conduct fluid from the heating means, a valve in the water pipe to enable the supply of water to the heating means to be cut-off and to allow fluid from the receptacle to enter the heating means to be vaporized to the exclusion of the water, a second fluid receptacle connected at its bottom to the water service pipe, and a valved pipe connected to the top of the second receptacle and to the valved pipe of the first receptacle whereby upon closing of the valve of the valved pipe of the first receptacle and closing of the water pipe valve and opening of the valve of the valved pipe of the second receptacle fluid from the latter may enter the heating element to be vaporized to the exclusion of the water and of the fluid from the first receptacle.

1,460,696. MINE CAR. FRANK S. BARKS, St. Louis, Mo., assignor to Lincoln Steel and Forge Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 17, 1922. Serial No. 553,950. 4 Claims. (Cl. 295—42.)

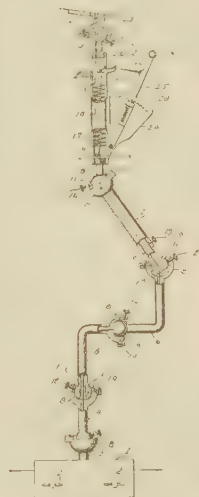
4. In a mine car, spaced axles, journal boxes on said axles, flat bars extending lengthwise of the car at the

sides of the latter and bent semi-cylindrically about each of said journal boxes, channel irons extending longitudi-



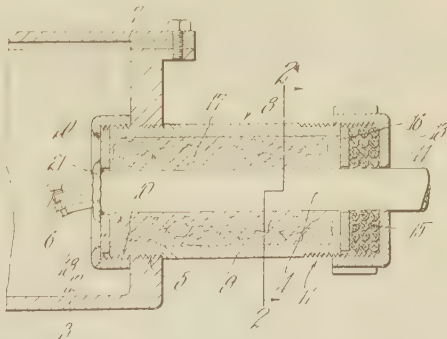
nally of said axles with their flanges turned downwardly and secured to the bent portions of said bars.

1,460,697. ADJUSTABLE BRACKET. ALFRED W. BENDLIN, Milwaukee, Wis. Filed Mar. 28, 1922. Serial No. 547,377. 1 Claim. (Cl. 45—82.)



An adjustable bracket comprising a base, a plurality of hollow arms arranged in series and connected to each other and to the base by universal joints, a quadrant and lever secured to one of the arms and flexible elements extending thru said arms and joints and connecting the lever to the respective ends of the bracket, said lever being adjustable on the quadrant to tension the flexible elements, whereby the joints are caused to bind and lock the bracket in any desired position.

1,460,698. DISTRIBUTING-BOX CONNECTION FOR ELECTRICAL CONDUCTORS. HERBERT H. BERRY, Springfield, Mass. Filed Sept. 23, 1922. Serial No. 590,183. 5 Claims. (Cl. 247—18.)



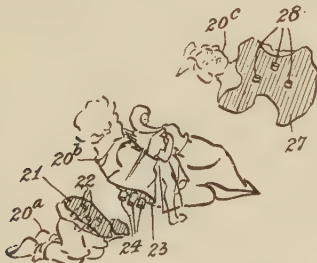
1. A device for connecting an electrical conductor with a distributing box or the like, comprising a bushing

adapted to loosely surround the conductor and to be removably secured at one end to the box, closures for the opposite ends of the bushing having apertures for the passage of the conductor therethrough, one of said closures comprising a cap secured to the bushing with its end wall spaced from the end face of the bushing, a washer within said cap adapted to encircle the conductor and overlap the adjacent end face of the bushing, packing material surrounding the conductor within the bushing and packing material within said cap between its end wall and the washer adapted to be compressed to grip the conductor by the turning of the cap.

1,460,699. PIGMENT AND PAINT. HENRY SPENCER BLACKMORE, Mount Vernon, N. Y.; ISABELLE BLACKMORE and STEPHEN L. TINGLEY administrators of said Henry Spencer Blackmore, deceased. Filed May 20, 1918. Serial No. 235,459. 11 Claims. (Cl. 134—58.)

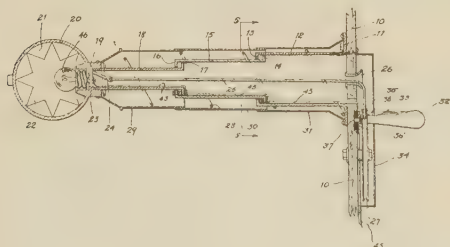
8. The process of making a paint pigment, which comprises performing a reaction between a water soluble metal aluminate and a water soluble metal sulphate, the product of which will comprise a water-insoluble aluminate mixed with a water-insoluble sulphate.

1,460,700. COMBINED PICTURE BOOK AND PUZZLE. ELIZA BUFFINGTON, Madison, N. J. Filed Apr. 15, 1922. Serial No. 552,837. 5 Claims. (Cl. 40—41.)



1. A puzzle device comprising a figurine or figurines in the round in statuette form and consisting in separable sections, said sections having contacting faces fitting together, said sections further having their outer surfaces merging inconspicuously into each other when assembled, thereby forming the complete statuette.

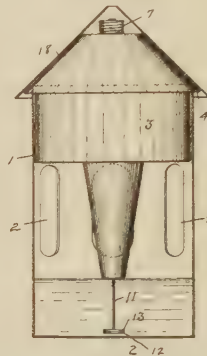
1,460,701. DIRECTION INDICATOR. ADOLF BUTTER, Clifton, N. Y. Filed July 20, 1922. Serial No. 576,353. 2 Claims. (Cl. 177—329.)



1. An automobile signal of the class described comprising a plurality of shell members having external and internal flanges formed at their ends and adapted to telescope one within the other, the largest shell being adapted to be anchored to the automobile-body, the smallest shell having a casing and a pair of convex lenses and a filament lamp secured thereto, a plurality of telescoping tube

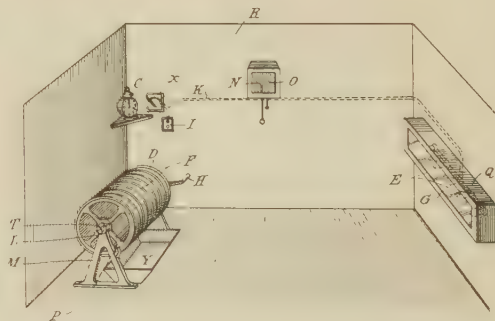
members secured to the largest and smallest shell member and adapted to telescope in unison with the shell members, an expansion coil spring retained in the chamber formed by the shell and tube members and adapted to yieldably keep the shells in extended position, means for releasably telescoping the shells one within the other, and means for energizing the filament lamp.

1,460,702. POULTRY FOUNTAIN. SAMUEL P. CALTRIDER and PETER P. SAUBLE, Westminster, Md. Filed Feb. 28, 1922. Serial No. 540,001. 2 Claims. (Cl. 119—77.)



1. A poultry fountain comprising an outer receptacle having a number of openings in its side wall, a removable fountain within said outer receptacle and having an intake opening in its upper end and a discharge opening in its lower end, a cap to close the intake opening, means connected with said cap to close the discharge opening of said fountain, arms projecting from the upper edge of the outer receptacle, and a hood resting upon said arms and above the inner and outer receptacles.

1,460,703. PHOTOGRAPHIC REVERSAL PROCESS. JOHN G. CAPSTAFF, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 2, 1921. Serial No. 449,249. 27 Claims. (Cl. 95—5.)

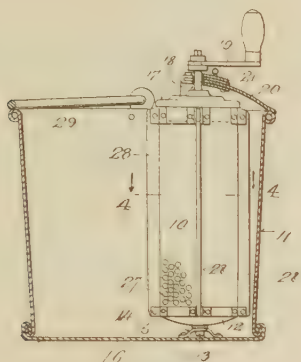


1. In a process of making photographic images by reversal from a photographic light sensitive element, containing an image, the steps of submitting the element to a printing light controlled in accordance with the printing value of the element, and then developing an image in said element.

1,460,704. SOAP DISSOLVER AND AGITATOR. ARTHUR CELLER, Brooklyn, N. Y. Filed June 17, 1922. Serial No. 568,987. 7 Claims. (Cl. 259—50.)

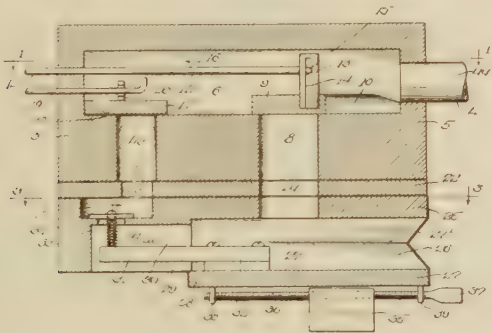
1. In a soap dissolver and agitator, a liquid receptacle, an anchor device on the bottom thereof, a hood extend-

ing partly over the top thereof, said anchor device and hood being placed off center, and a soap container held in



said anchor device and said hood and means to rotate said soap container to charge the liquid in said receptacle with dissolved soap to any desired degree.

1,460,705. SPEED GOVERNOR FOR PNEUMATIC MOTORS. WILLIAM C. COLLIGNON, Chicago, Ill. Filed Feb. 14, 1921. Serial No. 444,686. 1 Claim. (Cl. 230—36.)

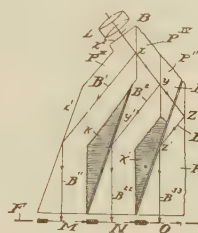


A device of the character described comprising a casing providing an elongated, horizontal air chamber of which a bellows chamber forms an aligning part, and two parallel vertical air passageways normally connecting said elongated horizontal air chambers; manual valves controlling said vertical passageways; in combination with a bellows enclosing a chamber constituting one part of one of said horizontal air chambers; a lever extending into the other aligning part of said air chamber and secured to the motive part of said bellows; a poppet valve operable thereby for controlling one of said vertical air passageways whereby said lever lifts said valve when the bellows is extended and closes the valve when it is collapsed and a weight adjustable longitudinally of the movable part of the bellows structure.

1,460,706. PRODUCTION OF COMPLEMENTAL IMAGES. DANIEL F. COMSTOCK, Cambridge, Mass., assignor to Kalmus, Comstock & Wescott, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Oct. 6, 1920. Serial No. 415,073. 26 Claims. (Cl. 88—1.)

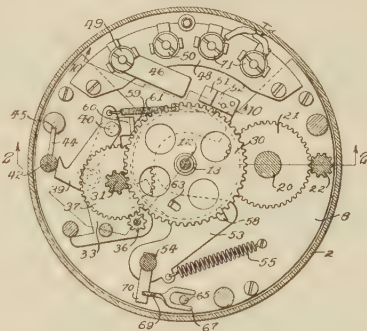
1. In a photographic apparatus, a plural image forming optical train, embodying a single objective for the incident rays, and a reflecting prism unit having a single plane incident ray receiving face and proximate emergent ray faces in a single plane at an angle to the plane of the incident ray receiving face, other faces of the prisms forming a light dividing reflector in the path of the in-

cident rays, a single total reflector in the path of the rays of one division and two reflectors in the path of the rays of another division, said reflectors being ar-



ranged at angles to bring the emergent rays of both divisions into parallelism to form two images in the same plane and in proximity to each other.

1,460,707. TIMING APPARATUS. CHARLES M. CROOK, Chicago, Ill. Filed Oct. 2, 1919. Serial No. 327,980. 17 Claims. (Cl. 200—39.)



5. In a device of the character described, the combination with a rotatable shaft, of a tripping means operated when said shaft has made a predetermined movement of rotation, a motor having a rotating armature, a movable member having a driving gear for said shaft connected with said armature, and means for moving said member to disconnect said driving gear from the shaft.

1,460,708. PROCESS OF MANUFACTURING DIAZODINITROPHENOL. WILLIAM M. DEHN, Seattle, Wash. Filed Dec. 9, 1919. Serial No. 343,592. 15 Claims. (Cl. 260—69.)

4. The process of making diazodinitrophenol, which comprises reacting on ammonium picramate with nitric acid of substantially the highest concentration in the presence of alcohol as a reducing agent for nitric acid, and covering the reacting materials with a layer of neutral oil to prevent combustion and explosion.

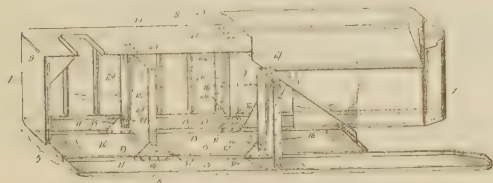
1,460,709. AUTOMOBILE SIGNAL. JOHN F. WILLIAM DIEGEL, Manitowoc, Wis. Filed Aug. 7, 1922. Serial No. 580,251. 1 Claim. (Cl. 116—45.)



The combination of a reflector, a lamp therein, a glass plate carried by said reflector, a cover normally overlying said glass plate and pivoted to the lower end of said re-

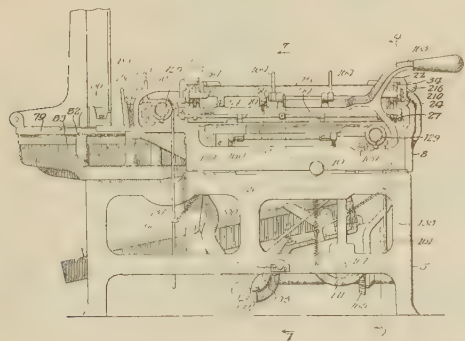
flector, said plate having a visible symbol exhibited on its upper portion, and words of warning below said symbol, and an arm rigid with said cover actuable to rotate said cover, whereby said cover may be moved outwardly slightly to permit the upward emission of light, and further outward to exhibit said visible symbol and still further to reveal said words of warning.

1,460,710. TENDER TANK. CHARLES DUCAS, New York, N. Y., assignor to Charles Ducas, Alexander W. Whiteford, and David Walter Pye, trustees, all of New York, N. Y. Filed Jan. 6, 1922. Serial No. 527,377. 8 Claims. (Cl. 105—236.)



1. A locomotive tender tank construction comprising a tank having top and sides, and also a bottom plate with an upstanding flange in combination with a gusset plate secured to said flange, and a dash plate secured to said gusset plate and to the top of the tank.

1,460,711. PRINTING AND ADDRESSING MACHINE. JOSEPH S. DUNCAN, Chicago, Ill. Filed Oct. 2, 1916. Serial No. 123,233. 76 Claims. (Cl. 101—56.)



28. In a printing machine, the combination of a frame, a platen carriage movable across said frame, a feed table and means on said carriage to pick up a sheet of paper from said table including a ledge fixedly connected and held from movement relative to said carriage and fingers cooperating with said ledge, and means for lifting said fingers as said carriage approaches said table.

73. In a printing machine, the combination of a frame, a printing form, an inking ribbon, and means whereby said ribbon may be slidably moved to one side of the printing form to uncover and expose the latter.

75. In a printing machine of the class described, the combination of a form of type and a roller platen mounted to reciprocate transversely across the form of type in the general direction of the lines of type with the axis of the platen at slightly less than a right angle to the lines of type.

1,460,712. LOOSE-LEAF BINDER. HOWARD A. DUDLEY, Hagerstown, Md. Filed Nov. 30, 1921. Serial No. 518,954. 8 Claims. (Cl. 129—8.)

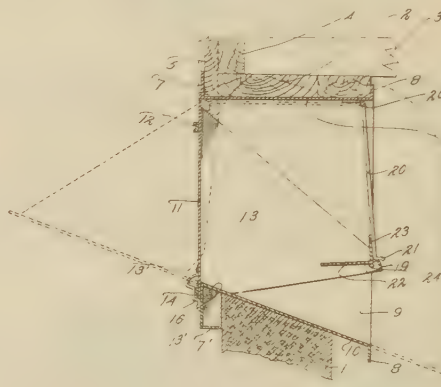
1. A loose-leaf binder comprising front and rear cover portions provided with spaced hinged flaps, each flap being

apertured, a core of leaves inserted between said flaps and provided with cylindrical apertures in alignment with



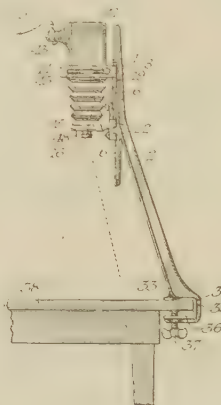
the apertures in said flaps, and pins inserted through opposite sides, one through each of said flap apertures and its aligned core aperture.

1,460,713. FUEL CHUTE. JOHN L. FALK, Spokane, Wash. Filed Mar. 19, 1921. Serial No. 453,626. 3 Claims. (Cl. 193—34.)



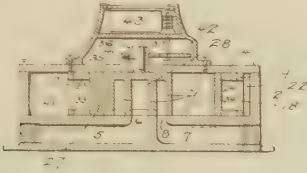
1. The combination with a chute, hinge straps co-acting therewith to form upper recesses and lower sockets, and a hopper, of a hinge bar on the lower edge of said hopper, said bar having angular ends adapted to swing in said recesses but adapted to be fixed in said sockets, whereby the hopper may be lifted from locked engagement of the hinge bar in said sockets, and said hopper tilted outwardly and downwardly with said ends in said recesses.

1,460,714. ENLARGING CAMERA. EDWIN C. FRITTS, Urbana, Ill., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 12, 1921. Serial No. 469,077. 23 Claims. (Cl. 88—24.)



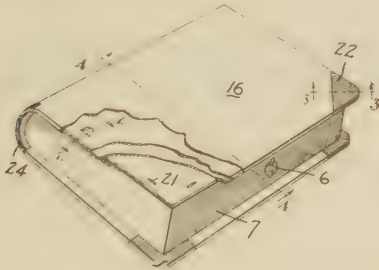
1. Photographic apparatus comprising a rigid support having a fixed cam surface, two camera parts slidable on said support, and a member pivotally connected to one holder and having a slidable relation with the cam and an operative relation with the other holder.

- 1,460,715. LIQUID METER. ALBERT J. GRANBERG, San Francisco, Calif., assignor to The Granberg Meter Company, San Francisco, Calif., a Corporation of California. Filed Apr. 14, 1919. Serial No. 289,962. 20 Claims. (Cl. 73—37.)



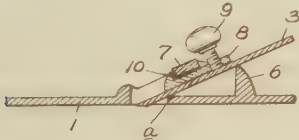
1. A liquid meter comprising a casing having inlet and outlet ports, a reciprocating frame in the casing adapted to be reciprocated by the passage of liquid, a meter head adapted to be rotated about an axis eccentric to its axis of figure, operatively connected with said frame so that reciprocation of said frame causes rotation of said head about said eccentric axis and means for varying the distance between the axis of rotation and the axis of figure.

- 1,460,716. BOOK-FORM SAVINGS BANK. BUTLER F. GREER, San Francisco, Calif. Filed Apr. 13, 1921. Serial No. 461,154. 7 Claims. (Cl. 232—4.)



1. A book form savings bank comprising a case simulating the proportions of a book, and an envelope covering simulating the binding of the book detachably interlocked with said case.

- 1,460,717. COOPER'S SUN PLANE. CHARLES H. GROTH, Rochester, Pa. Filed Jan. 14, 1922. Serial No. 529,182. 1 Claim. (Cl. 147—24.)

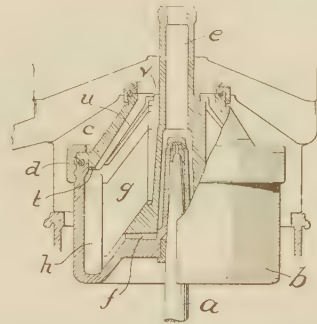


A cooper's sun plane including a plate-like body, a bit, an orifice for the bit, a bridge arranged rearward of the orifice, a block arranged rearward of the bridge, a shouldered pressure plate adapted to extend beneath the bridge and by its shoulder to engage the forward edge of the bridge, and a screw extensible from said pressure plate, said pressure plate and screw adapted to engage at intermediate points and from above the bit introduced and resting terminally upon the rim of the orifice and the block, substantially as described.

- 1,460,718. PROCESS OF PURIFYING AND DEHYDRATING SWITCH OIL. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed May 3, 1921. Serial No. 466,496. 4 Claims. (Cl. 196—26.)

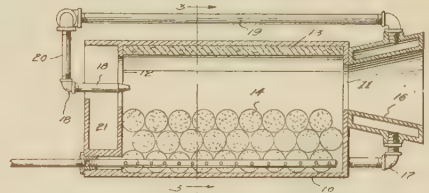
1. The process of purifying and dehydrating oil containing carbon and water, such as switch oil, which

comprises forming a mixture of the oil with soap, subjecting the mixture to centrifugal force to eliminate the



carbon, dirt, soap and a large part of the water and subjecting the thus partially purified but imperfectly dehydrated oil to centrifugal dehydration.

- 1,460,719. FUEL-OIL BURNER. WILLIAM M. HOFFMAN, Buffalo, N. Y., assignor, by mesne assignments, to Oil Fuel Engineering Corporation, a Corporation of New York. Filed Mar. 13, 1922. Serial No. 543,182. 7 Claims. (Cl. 158—92.)

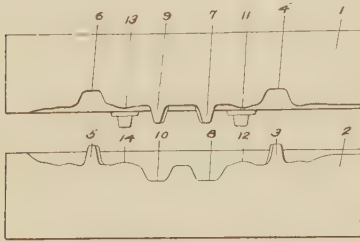


6. In a fuel oil burner, a combustion chamber consisting of a hollow metal casing, the interior of which is lined with a porous refractory material and the bottom of which is covered with loosely associated porous refractory balls in communicating contact with the porous refractory lining of the casing, said casing provided with an outlet for the discharge of products of combustion, and a jacketed discharge mouth extending outwardly from such outlet, a nozzle so disposed as to project a jet into and through said combustion chamber toward the outlet therefrom, vapor communicating means leading from said jacketed discharge mouth to said nozzle, and fuel communicating means leading to the lower portion of said casing.

- 1,460,720. MEANS AND DIES FOR DROP-FORGING CRANK SHAFTS AND PROCESS OF FORMING CRANK SHAFTS. HARRY H. KEEPORTS, Detroit, Mich. Filed Sept. 5, 1919. Serial No. 321,933. 11 Claims. (Cl. 29—6.)

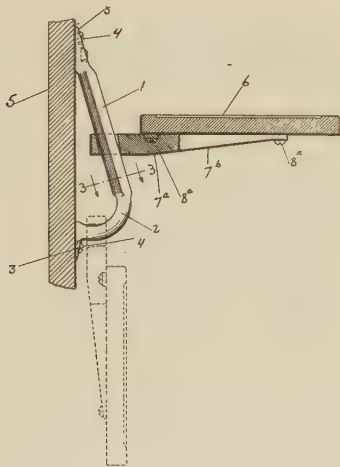
1. The process of forming and drop forging a six-throw crank shaft with end and central bearing parts consisting in first deflecting in vertical planes and forming the first and sixth crank throws by upward deflection, and simultaneously the third and fourth crank throws by downward deflection of the metal and rough forming the bearing pins and arms of second and fifth crank throws, then turning the partially formed bar so that the first and sixth, and third and fourth crank throws are in a horizontal plane, and thereafter simultaneously deflecting the shaft to form the second and fifth crank pins and arms to their proper position and simultaneously bending the first and sixth crank throws to deflect them relatively upward thirty degrees to a point sixty degrees to one side of the vertical and the

third and fourth crank throws relatively upward thirty degrees to a point sixty degrees to the opposite side of the vertical, as specified.



6. Dies for the forming of a crank shaft comprising depressions and projections with obliquely arranged surfaces for deflecting the first and sixth crank throws in one direction and the third and fourth crank throws in an opposite direction in the same plane, and a finishing die conformed to the form of the shaft and arranged to deflect the second and fifth crank pins, throws and arms to their proper position and force all crank arms and pins, as specified.

1,460,721. ADJUSTABLE SEAT. WILLIAM COATES LISTER, Toronto, Ontario, Canada. Filed Apr. 7, 1922, Serial No. 550,479. Renewed May 11, 1923. 1 Claim. (Cl. 155—81.)

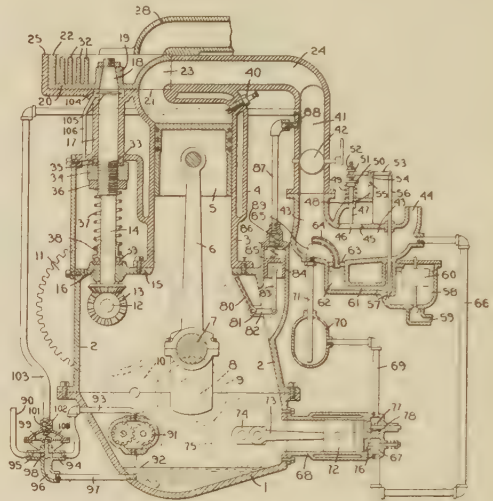


An adjustable seat comprising a seat element, a forked supporting arm therefor projecting beyond the seat element formed with a through-aperture at approximately right angles to its plane and a supporting bracket consisting of a stanchion loosely inserted through said aperture and binding against its diagonally opposite edges for supporting the seat element when extended at an angle to the stanchion, and a curved base member for holding the seat element suspended when moved out of engagement with the stanchion.

1,460,722. INTERNAL-COMBUSTION ENGINE. RALPH M. LOVEJOY, Meredith, N. H. Filed Nov. 14, 1916. Serial No. 131,335. 15 Claims. (Cl. 123—75.)

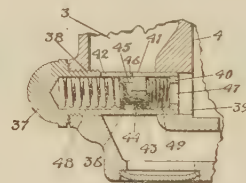
1. In combination with an internal combustion engine having a combustion chamber, an intake conduit

leading to said combustion chamber and having an air intake port; means for supplying liquid fuel to said



conduit and means for vaporizing said liquid fuel by air taken from said conduit and caused to impinge at high velocity upon the liquid fuel within said conduit.

1,460,723. SHOCK ABSORBER. RALPH M. LOVEJOY, Meredith, N. H. Filed Nov. 17, 1921. Serial No. 515,801. 10 Claims. (Cl. 188—100.)

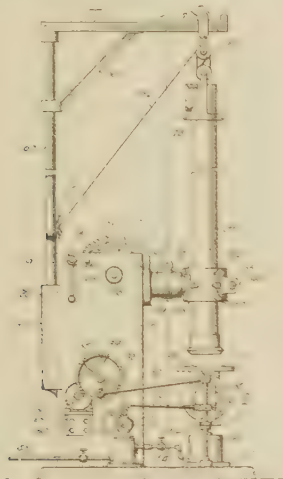


1. A shock absorber for cushioning the movement of two relatively movable members comprising a casing adapted to be secured to one of said members presenting a reservoir, a cylinder, a piston reciprocable in the cylinder and means for causing said piston to act upon the other relatively movable member, a tubular conduit communicating with said cylinder and reservoir having a port, valve mechanism mounted in said tubular member in co-operative relation to said port, oppositely disposed light and heavy springs controlling the movement of said valve mechanism acting normally to provide a small opening of said port when controlled by the light spring to cushion slight movements of the piston produced by slight shocks and acting to produce a greater opening of said port when controlled by said heavy spring to cushion the more extended movements of said piston caused by heavier shocks.

1,460,724. GRINDING MACHINE. JOHN THOS. McGRATH, Bloomington, Ill. Filed Jan. 15, 1921. Serial No. 437,541. 22 Claims. (Cl. 51—55.)

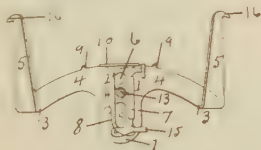
1. A grinding machine for the purpose set forth comprising a table capable of horizontal rotative oscillation and adapted to support a grinding element, means to support the work in line with the grinding element,

freely tiltable supporting means for said table at the axis of oscillation thereof, means to lift the table to



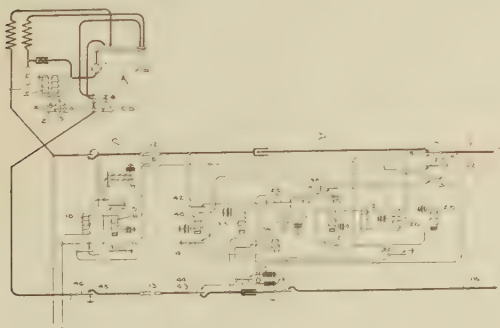
bring the grinding element into operative relation to the work, and means for imparting to and fro oscillatory grinding movement to said table in a horizontal plane.

1,460,725. NECKTIE HOLDER. PETER L. MARKEY, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 554,212. 6 Claims. (Cl. 24—59.)



1. In a necktie holder, a base, curved arms extending laterally from said base, oppositely disposed prongs connected to said arms, means for detachably securing a tie to said prongs and means for adjustably securing said necktie holder on a collar.

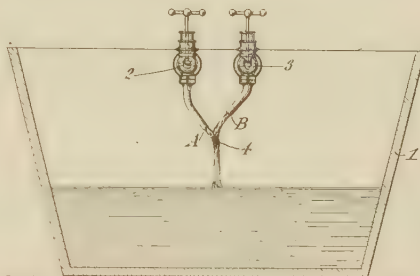
1,460,726. MEASURED-SERVICE TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1919. Serial No. 304,184. 32 Claims. (Cl. 179—6.3.)



1. In a telephone system, a line, a calling device for said line, an impulse repeating device for said line responsive to impulses from said calling device, an automatic switch controlled by said repeating device to extend a connection to a called subscriber, a coin collector on said line, a relay in said repeating device controlled by the completion or noncompletion of the said connec-

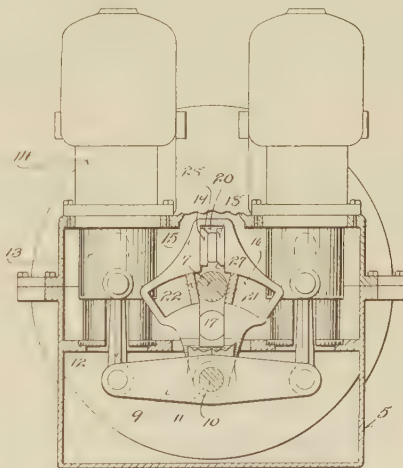
tion for determining whether the coin is to be collected or refunded, and another relay in said repeating device for operating the coin collector in the manner determined when the release of the connection is initiated.

1,460,727. FAUCET. HUGO MOCK, New York, N. Y. Filed Apr. 20, 1922. Serial No. 555,741. 4 Claims. (Cl. 277—57.)



1. The combination of a basin, independent hot and cold water faucets placed at the upper rim of the basin adjacent each other, the outlets of said faucets being on different horizontal planes, and shaped and positioned relative to each other so as to deliver a single stream of water into the bottom of said basin when both faucets are open.

1,460,728. INTERNAL-COMBUSTION ENGINE. EDWARD E. NELDER, Milwaukee, Wis. Filed July 15, 1922. Serial No. 575,360. 4 Claims. (Cl. 74—14.)

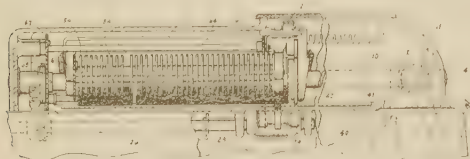


1. In a device of the character described, a rotatable shaft having a drive member secured thereto, a wrist pin carried by the drive member, a walking beam mounted on an axis parallel to said shaft and having a yoke provided with an arcuate slot in which said shaft rides when the walking beam is oscillated, and a radial slot in which said wrist pin is guided about the shaft, and a pair of pistons operable to oscillate said beam.

1,460,729. CHECK WRITER. WALTER B. PAYNE, Rochester, N. Y., assignor to Todd Protectograph Company, Inc., Rochester, N. Y. Filed Sept. 22, 1920. Serial No. 411,911. 14 Claims. (Cl. 197—6.2.)

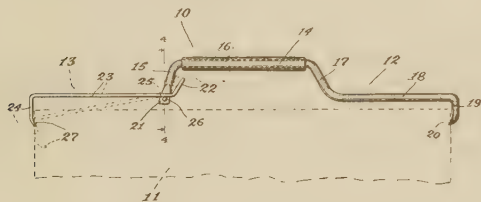
1. In a machine of the class described, the combination with a printing couple, of mechanism comprising a

prime mover for actuating the printing couple, devices comprising a pair of rotary elements, one above and one below the work, for breaking the work and feeding it to



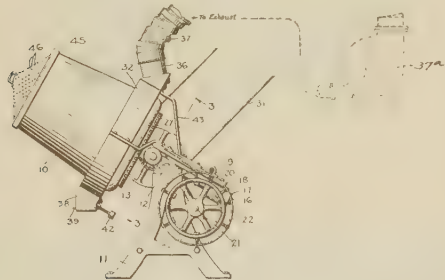
the printing couple, differential mechanism driven by the prime mover for differentially rotating one of said elements, and manipulative devices controlling the differential mechanism.

1,460,730. BOX TONGS. BYRON PHELPS, Seattle, Wash., assignor of one-half to Adolph L. Brand, Seattle, Wash. Filed Jan. 5, 1922. Serial No. 527,101. 1 Claim. (Cl. 294—62.)



Box tongs comprising a relatively rigid gripping member, a downwardly extending claw portion formed upon the outer end of said member, a hand hold formed upon said member adjacent the inner end thereof, a movable gripping member hingedly mounted at the inner end thereof, a downwardly extending claw portion formed upon the outer end of said last named member, means to retain said last named member upon said first named member, and means to limit the closing movement of said movable gripping member upon said rigid gripping member.

1,460,731. TUMBLING BARREL. GEORGE B. PICKOP, New Haven, Conn., assignor to The Malleable Iron Fittings Company, Branford, Conn., a Corporation of Connecticut. Filed Apr. 26, 1920. Serial No. 376,595. 12 Claims. (Cl. 51—164.)

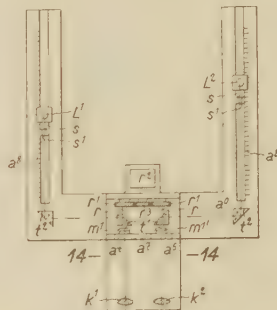


1. In a tumbling barrel, a frame, a rotatably mounted drum supported thereon to tilt through a large angle, a source of exhaust, means affording communication between said drum and source of exhaust, and means for rotating said drum in various tilted positions.

1,460,732. PHOTOMETRIC DEVICE. CARL PULFRICH, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Mar. 1, 1922. Serial No. 540,300. 5 Claims. (Cl. 88—23.)

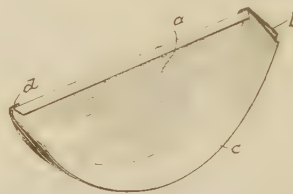
1. In a device for comparing the luminosities presented to both eyes of an observer two mark-systems, admitting

of binocular observation and being movable relatively to each other in parallel planes, and a darkening device, ad-



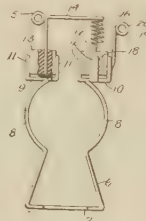
mitting of changing the luminosity presented at least to the one eye of the observer.

1,460,733. GUTTER END PIECE. THOMAS RIGBY, Philadelphia, Pa., assignor to Berger Bros. Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 25, 1922. Serial No. 563,626. 4 Claims. (Cl. 108—28.)



3. A gutter having an end member, a flared flange extending therefrom, and a second flange extending from the end member within the first flange and substantially normal to the end member, said second flange being of greater depth than the first flange.

1,460,734. WIRELESS DETECTOR. WILLIAM HARRY RUF, Roselle Park, N. J. Filed Apr. 27, 1922. Serial No. 556,916. 12 Claims. (Cl. 250—31.)



1. A wireless detector comprising a frame provided with means for fitting it upon the human finger after the manner of a finger ring, and detector mechanism carried by said frame for the reception of wireless signals.

1,460,735. WELL-PIPE SCREEN. SPENCER H. ST. JOHN, Long Beach, Calif. Filed Dec. 21, 1921. Serial No. 524,004. 3 Claims. (Cl. 166—6.)



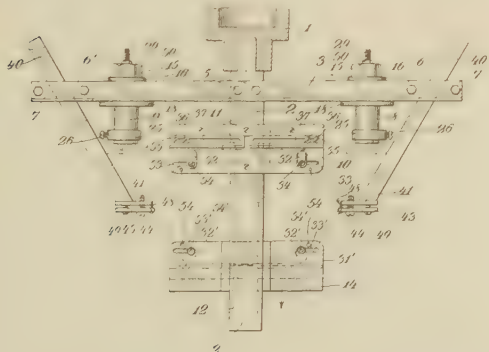
1. A screen for well-tubing provided with narrow slots, and bent transversely of the slots for seating in the tubing, the screen being flattened as inserted whereby the slots are spread on the inner side.

1,460,736. ENZYMIC SUBSTANCE AND PROCESS OF MAKING THE SAME. JOKICHI TAKAMINE, New York, N. Y., and JOKICHI TAKAMINE, Jr., Clifton, N. J. Filed July 30, 1921. Serial No. 488,692. 21 Claims. (Cl. 99—11.)

1. The process which consists in propagating a fungus upon a suitable culture medium, then extracting the soluble content of the culture medium having the fungus growth thereon, then adding a phenol to the extract.

16. As a new article of manufacture, a stable enzymic solution, which is clear and transparent, and free from decomposing or fermenting bacteria, of slightly nutty taste and musty odor, possessing strongly diastatic and other enzymic properties, gives no coloration when an alcoholic solution of gum guaiacol and hydrogen peroxide is added thereto, and contains a large amount of phosphate as a mineral constituent, a comparatively small amount of sugar and a fairly large amount of proteid organic matter, and a phenol.

1,460,737. DEVICE FOR MAKING ARMATURE COILS. GEORGE W. TOWNSEND, St. Albans, N. Y. Filed July 12, 1921. Serial No. 484,067. 10 Claims. (Cl. 140—92.2.)



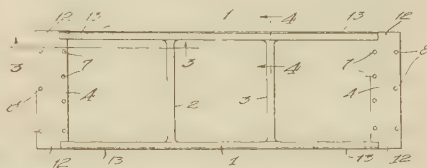
1. In an armature coil winding device, a rotatable member for winding a plane coil, and individual means for clamping and holding the ends of the plane coil after removing it from said rotatable member and preparatory to opening the coil.

1,460,738. CORRUGATED-METAL CAR END. WILLIAM E. VAN DORN, Chicago, Ill. Filed Nov. 19, 1920. Serial No. 425,040. 19 Claims. (Cl. 105—410.)



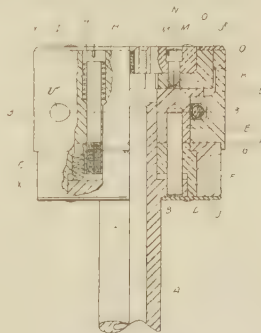
1. A flat metal sheet having therein elongated stiffening corrugations so shaped that the tops of the ridges and the bottoms of the valleys are bent lengthwise in a plane at right angles to the plane of the sheet.

1,460,739. VISOR FRAME FOR AUTOMOBILE WIND SHIELDS. WILLIAM C. WEISKE and HARLEY A. DORMAN, Detroit, Mich. Filed July 26, 1920. Serial No. 399,141. 3 Claims. (Cl. 296—95.)



1. In a visor frame for windshields, in combination with the windshield frame, a pair of side members in parallel relation, said members being formed of a sheet of metal folded upon itself to form a longitudinal tubular portion with the edges of the blank extending laterally therefrom in parallel spaced relation, the opening of one member facing that of the other, cross members extending from between the parallel portions of one side member into and between that of the other side member, an opaque covering for the frame, and a bracket fixedly attached to the covered frame concealing the cover ends, and means pivotally connecting the brackets to the windshield frame.

1,460,740. THREADING TOOL FOR AUTOMATIC MACHINES. HARRY T. WHITE, Highland Park, Mich. Filed Dec. 11, 1920. Serial No. 429,865. 16 Claims. (Cl. 10—96.)

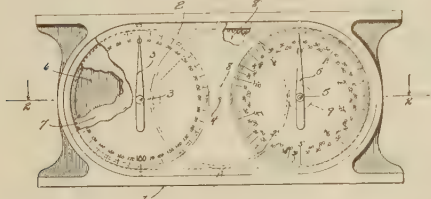


3. In a thread-cutting tool, the combination with a head and chasers radially adjustable in relation thereto, of a member rotatable upon said head for actuating said chasers radially, said head and rotatable member being constructed to form an annular recess therebetween with a tangential entrance port to said recess, a spring insertable into said recess through said tangential port, and a plug for closing said port and forming an abutment for said spring.

11. A thread-cutting tool comprising a shank, a head sleeved upon said shank and provided with radially extending guideways, chasers slidably secured in said guide-

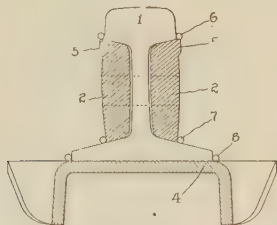
ways, a rotatable member surrounding said head and provided with cams for actuating said chasers in said guideways, a non-rotatable head sleeved on said shank adjacent to said first-mentioned head, a latch for locking said rotatable head in fixed relation to said non-rotatable head, resilient means for holding said heads in contact with each other, permitting the longitudinal adjustment of said rotatable head to disengage the latch therefrom, and means for cushioning the non-rotatable head upon said shank permitting a limited longitudinal movement thereof.

1,460,741. PLUMB AND LEVEL. HARRY W. YOUNG, Milwaukee, Wis., assignor of one-half to Walter Fischer, Milwaukee, Wis. Filed Dec. 21, 1920. Serial No. 432,209. 1 Claim. (Cl. 33—215.)



The combination of a base member having a closed wall and an open front, a plate closing said open front, an arbor journaled in said rear wall and said plate, a gear wheel rigid with said arbor, a pointer carried by said arbor exterior to said plate, a weight on said arbor for holding the pointer in a plumb line, a second arbor journaled in said rear wall and said plate, a pinion on said second arbor, and meshing with said gear wheel, a second gear wheel on said second arbor, a third arbor journaled in said rear wall and said plate, a third gear on said third arbor, meshing with said second gear wheel, a pointer on said third arbor exterior of said plate, said plate being marked circularly with gradations about said first mentioned arbor to give readings in degrees, and being marked with gradations about said third arbor to give readings in minutes.

1,460,742. SPLICE BAR FOR RAIL JOINTS. FRANKLIN E. ABBOTT, Buffalo, N. Y., assignor, by mesne assignments, to Bethlehem Steel Company, New York, Inc., a Corporation of New York. Filed Nov. 26, 1920. Serial No. 426,426. 5 Claims. (Cl. 238—164.)



1. A splice-bar for rail joints of standard section formed with a shoulder extension projecting slightly beyond the lower edge of the rail head to provide support for a welding rod, said shoulder being of a size to provide normal clearance for the wheel flange.

1,460,743. HOLDER. EDWARD H. BINNS and RALPH H. BINNS, Pittsburgh, Pa. Filed Apr. 29, 1922, Serial No. 557,332. Renewed Mar. 15, 1923. 6 Claims. (Cl. 24—119.)



1. As an article of manufacture, a holder including a chambered receptacle, a flexible member attached to said

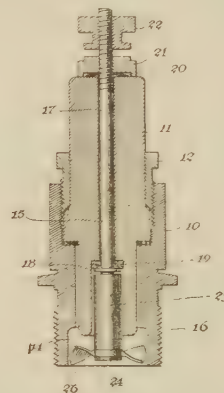
receptacle, and means at the ends of said flexible member whereby the same may be detachably connected with a support affixed to the member with which the holder is to be associated.

1,460,744. METHOD OF TAKING PICTURES. IWER BOYSEN, New York, N. Y. Filed Mar. 15, 1921. Serial No. 452,519. 2 Claims. (Cl. 95—81.)



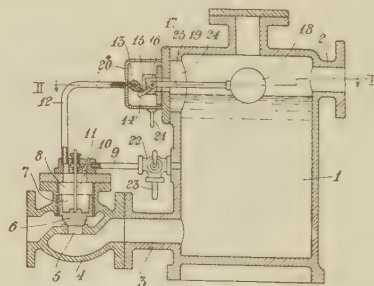
1. The herein described method of taking photographs which consists in interposing between the object and the lens, a transparent screen having upon its surface a field of very small semi-opaque dots.

1,460,745. SPARK PLUG. JAMES L. BROCKNEY and CHARLES E. GEORGE, Detroit, Mich. Filed Apr. 6, 1922. Serial No. 550,057. 2 Claims. (Cl. 123—169.)



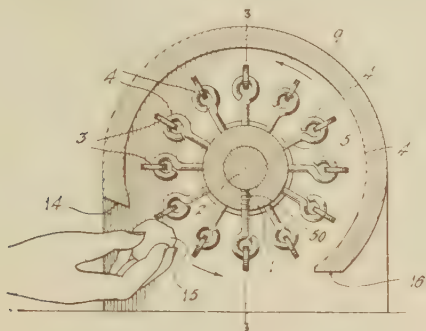
1. In a spark plug, a shell forming the outer electrode, a central electrode within the shell and insulated therefrom, a sleeve revolvably mounted on the lower end of the central electrode, and a propeller mounted on said sleeve, said propeller being freely revolvable with respect to the sleeve and having its blade ends spaced from the shell to form spark gaps.

1,460,746. STEAM TRAP. RAGNAR CARLSTEDT, Stockholm, Sweden, assignor to Aktiebolaget Arca Regulator, Stockholm, Sweden, a Company of Sweden. Filed Jan. 2, 1920. Serial No. 349,025. 3 Claims. (Cl. 137—103.)



1. In a steam trap, the combination of a vessel, a drain-valve from said vessel, a conduit for a flowing liquid under pressure, a member connected with said valve and inserted in said conduit so as to be actuated in one direction by the liquid in the same, an outflow opening on said conduit, a plate located in front of said outflow opening and movable towards and away from the same, and a float in said vessel connected with said plate in such manner as to impart motion to the same.

1,460,747. MACHINE FOR SHUCKING VEGETABLE IVORY NUTS. HENRY W. CROWELL, Glen Ridge, N. J. Filed Oct. 28, 1921. Serial No. 511,124. 15 Claims. (Cl. 146—14.)



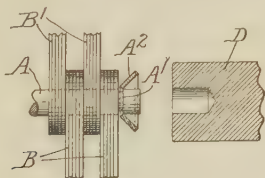
7. A rotary cutter including a revoluble body portion, a plurality of eyes secured in the periphery of said body portion, and washer-like cutting elements loosely mounted in said eyes.

1,460,748. MEANS FOR PREVENTING FOWL FROM ESCAPING. HUGO DORNSEIF, Bergerhof, Germany. Filed June 9, 1922. Serial No. 567,215. 5 Claims. (Cl. 119—97.)



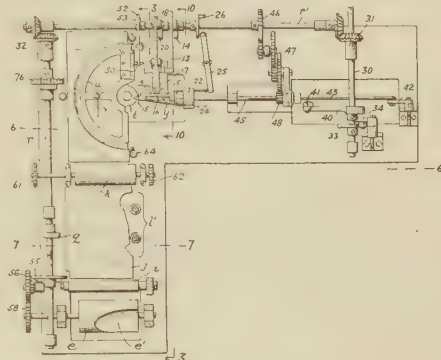
1. A fowl fether comprising in combination, a two-legged sheet metal clamp, the legs being connected at one end, means for connecting and fixing the free ends of said legs and a row of serrations on the inner side of a leg, each adapted to hold a single quill.

1,460,749. PROCESS FOR SECURING WRIST PINS FOR CHAIN LINKS. RAYMOND W. DULL, Chicago, Ill., assignor to Link Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 23, 1921. Serial No. 454,974. 2 Claims. (Cl. 59—8.)



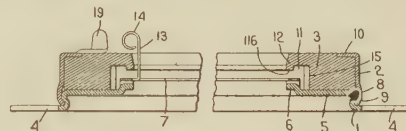
1. The process of securing chain links together, which consists in threading through such links a circumferentially channeled pin and placing a cupped washer thereabout with the central aperture of said washer in line with the channel, and in exerting force against the periphery of such washer to align it in the plane of such channel.

1,460,750. MACHINE FOR MAKING PAPER CONES. JOHN EPPLER, Philadelphia, Pa. Filed Aug. 4, 1921. Serial No. 489,669. 17 Claims. (Cl. 93—79.)



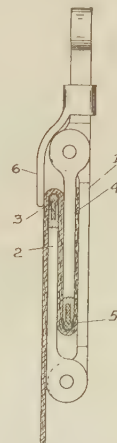
1. In a machine for making paper cones, a conically-shaped mandrel provided with a longitudinal slot relatively narrow toward the wide end of the mandrel and substantially wider toward its narrow end, the wider portion affording a ready means of entering the blank and the narrow portion enabling the mandrel to grip a narrow inserted edge of the blank preparatory to wrapping.

1,460,751. SPINNING RING. SUMNER FORBES, Brookline, Mass., assignor to Union Industrial Company, Boston, Mass., a Corporation of Maine. Filed June 8, 1921. Serial No. 476,071. 3 Claims. (Cl. 118—56.)



1. In a spinning ring, the combination with a shell, of a lining of self-lubricating material within the shell and provided with a traveller-receiving recess and an annular traveller, the outer wall of said recess being scalloped thereby to reduce friction on the traveller when the spinning ring is started up.

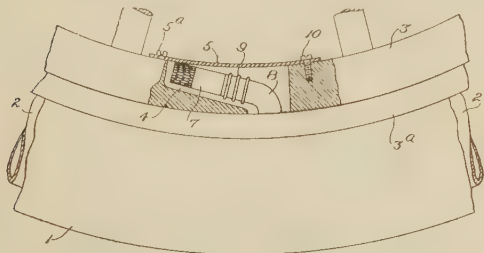
1,460,752. SUPPORTER. FREDERICK JAMES FULTON, Saginaw, Mich. Filed Sept. 6, 1921. Serial No. 498,666. 2 Claims. (Cl. 24—251.)



1. In a garment supporter, a body, a leaf hinged to the lower part of said body, a second leaf pivoted to

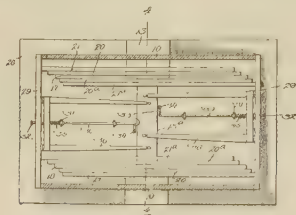
said body above the point of attachment of said lower leaf, said leaves adapted when closed to overlap each other with the upper leaf between the lower leaf and the body and a fastening device adapted to releasably secure said leaves in closed position.

1,460,753. PNEUMATIC-TIRE WHEEL. PATRICK J. GRIFFIN, Dorchester, Mass. Filed Dec. 1, 1921. Serial No. 519,260. 4 Claims. (Cl. 152—13.)



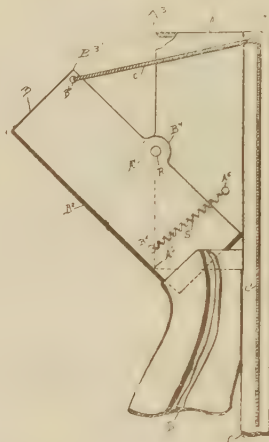
4. The combination with an inflatable tire-member having an air-valve flexibly combined therewith, and a wheel-felloe through which the said valve projects, having a chamber therein into which the valve may be turned down, a cover for said chamber pivotally connected to the wheel-felloe with capacity to be swung transversely into opened and closed positions respectively, said cover having an open slot in its swinging end, and a retainer pin on the wheel-felloe positioned to enter the said slot as the cover swings into closed position.

1,460,754. EXTENSION TABLE. JOSEPH HLOZEK, Cleveland, Ohio. Filed June 15, 1921. Serial No. 477,790. 2 Claims. (Cl. 45—113.)



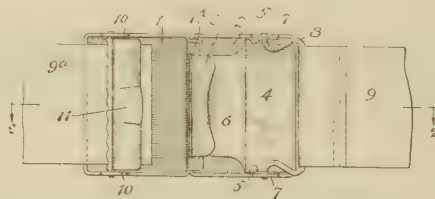
1. An extension table comprising a supporting frame, a table top carried thereby but having vertical and tilting movement, a transverse member mounted upon the supporting frame at the middle thereof and upon which the middle of the table top normally rests, fixed upwardly inclined guides carried by the frame below said member, movable upwardly inclined slides slidably engaging said guides and movable outward therefrom, a leaf hinged at its inner edge to said slides and hingedly supported with its inner edge in spaced relation to the upper edges of the slides, said leaf being normally disposed beneath the table top, a second set of upwardly inclined slides connected to the first named set of slides and having sliding engagement therewith, the outer end portions of said second set of slides being horizontal, a second leaf carried upon the horizontal outer end portions of said last named slides and movable into position beyond the first named leaf, the table top and the first named leaf dropping down into position behind the second named leaf and flush therewith, and means operatively carried by the second named leaf and projecting beyond the inner edge thereof whereby the first named leaf may be raised to permit the second named leaf to be slid beneath the first named leaf and means whereby the table top may be raised to permit the superimposed leaves to be shifted beneath the table top.

1,460,755. FRUIT PICKER. ROY A. HOWE and JOHN F. IRISH, Bantam, Conn. Filed Jan. 21, 1922. Serial No. 530,835. 1 Claim. (Cl. 56—334.)



In a fruit picker cutting head, the combination of a receptacle provided with two side walls; an outwardly projecting semicircular ear located at the middle of one edge of each of said side walls; a second receptacle provided with two side walls; an outwardly projecting semi-circular ear located at the middle of one edge of each of said side walls, the two ears on the first receptacle being adapted to lie adjacent the inner surfaces of the side walls of the second receptacle, and the two ears on the second receptacle being adapted to lie adjacent the outer surfaces of the side walls of the first receptacle; and a rivet concentrically located relative to the two adjacent ears on each side of the head, said rivets being adapted to hingedly connect the said receptacles.

1,460,756. BUCKLE. ERNEST N. HUMPHREY, New Britain, Conn., assignor to The Traut & Hine Mfg. Company, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 1, 1922. Serial No. 585,608. 2 Claims. (Cl. 24—78.)



1. In a buckle of the character described, two sheet metal members, one of said members having an elongated slot forming a hook passage, a hook on the other member, a yielding barrier carried by the hook member, and means for attaching one end of a belt to the hook member, said yielding barrier carried by said hook member being held in place by said belt-attaching means, said barrier being formed of sheet metal and having perforated ears at opposite edges through which said belt-attaching means extend, means for attaching the other end of said belt to the slotted member.

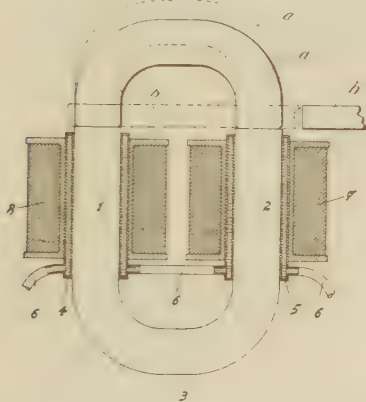
1,460,757. ADHESIVE. OTIS JOHNSON, San Diego, Calif. Filed Aug. 14, 1922. Serial No. 581,895. 7 Claims. (Cl. 87—17.)

3. An adhesive composition comprising the tacky substance of the soya bean, hydrated lime, and sodium fluoride.

1,460,758. PROCESS FOR DYEING SKINS, HAIRS, AND THE LIKE. OSKAR KALTWASSER and LEOPOLD KIRBERGER, Berlin and Berlin-Charlottenburg, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Jan. 25, 1922. Serial No. 531,778. 2 Claims. (Cl. 8—5.)

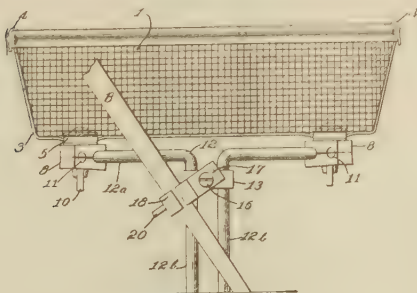
1. The herein-described process for dyeing furs, feathers, hairs and the like material, consisting in acting on the material to be dyed with a solution of 2,7-dioxy-naphthalene in the presence of an oxidizing agent.

1,460,759. PROCESS FOR MAGNETIZING BODIES. EMIL KUHN-FREI, Zurich, Switzerland, assignor to Arnold Weinman, Zurich, Switzerland. Filed Nov. 20, 1919. Serial No. 339,309. 1 Claim. (Cl. 175—4.)



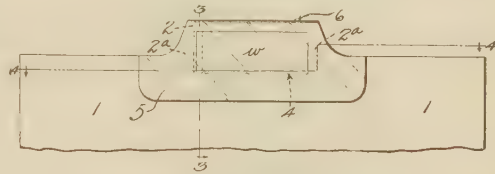
The herein described process of magnetizing bodies by means of an electro-magnet, consisting in reducing the temperature of the electro-magnet, placing the body to be magnetized with its poles on the poles of the electro-magnet, energizing the latter with a strong electric current for a sufficient period, then progressively decreasing the strength of the current, removing the poles of the body from those of the electro-magnet while the strength of the current is being decreased and simultaneously bridging the poles of the said body.

1,460,760. BASKET-SUPPORTING MEANS. JESSE E. MCGEE, Guntown, Miss. Filed Aug. 29, 1922. Serial No. 585,008. 3 Claims. (Cl. 224—29.)



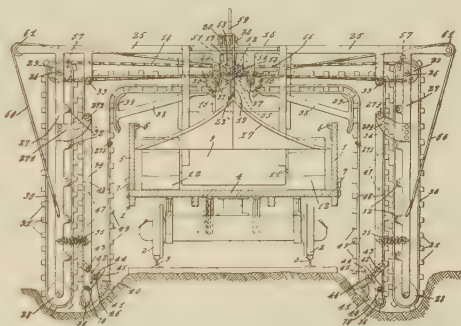
1. A basket supporting means comprising a pair of spaced basket engaging rods, a pair of basket engaging clamps connected with said rods, a pair of substantially L-shaped rods slidably adjustable in said clamps, and means associated therewith for securement to a support.

1,460,761. CARD-INDEX TAB. HAROLD CURTIS MCPIKE and FRED A. SCHMITZ, Youngstown, Ohio, assignors to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Feb. 16, 1922. Serial No. 537,018. 1 Claim. (Cl. 129—16.8.)



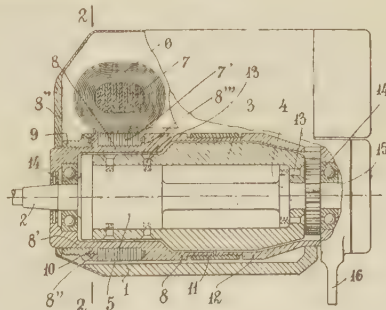
A tab for guide cards including a card body having a tab extension provided with a recess lying within the extension and also extending into the card body, a sheath of transparent material folded to embrace the tab projection so that the wings thereof cover opposite sides of the recess to provide a label-receiving compartment, and a vertical slot in one of the wings of the sheath located adjacent one of the vertical edges of the recess.

1,460,762. RAILROAD DITCHER. JEROME J. MILLER, Chadron, Nebr. Filed Nov. 21, 1922. Serial No. 602,445. 10 Claims. (Cl. 37—107.)



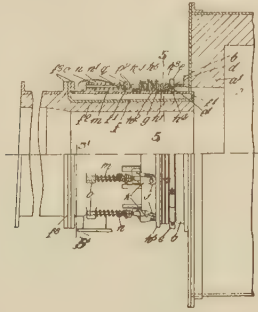
1. In a device of the class described, a car; a tractor movable along the car; depending digging conveyors carried by the tractor and located on opposite sides of the car, the conveyors discharging on the car; and a plow carried on one end of the tractor and adapted to traverse the car.

1,460,763. MAGNETO. GIUSEPPE NATOLI, Turin, Italy. Filed Feb. 7, 1922. Serial No. 534,741. 8 Claims. (Cl. 123—149.)



1. In a magneto, a continuous shaft, shaped to provide an integral flange and an enlarged portion; means for rotatably supporting said shaft, a magnet fastened on said shaft, to said flange and enlarged portion, and a core having a winding thereon, said core being fastened to said shaft supporting means and having shoes embracing the poles of said magnet.

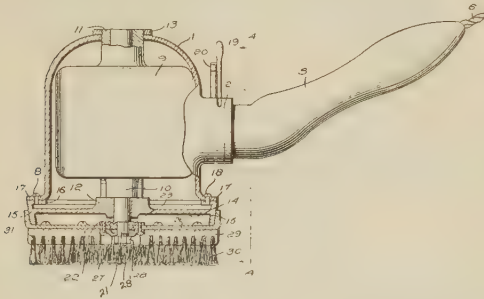
1,460,764. STUFFING BOX FOR ROTARY DRIERS, KILNS, CALCINING FURNACES, RETORTS, OR THE LIKE. HARALD NIELSEN, London, and BRYAN LAING, Hatfield, England. Filed Dec. 8, 1922. Serial No. 605,725. 7 Claims. (Cl. 286-7.)



1. A gas tight stuffing box for the relatively moving parts of a rotary heating apparatus comprising a multiplicity of resilient packing rings surrounding one of said relatively moving parts and spring controlled members resiliently maintaining one of said resilient packing rings in contact with the other of said relatively movable parts in such manner that said resilient gland rings are capable of rotary movement and longitudinal sliding movement relative to the other of said relatively moving parts.

3. A rotary heating apparatus having in combination, a stationary pipe, a sleeve surrounding said pipe and spaced radially therefrom, a series of rings on said sleeve, a rotary retort, resilient means on said pipe and contacting with the outer of said rings for maintaining the inner of said rings in contact with said retort.

1,460,765. ROTARY BRUSH. ALBERT L. NORRIS, Jacksonville, Fla. Filed May 9, 1921. Serial No. 467,988. 2 Claims. (Cl. 15-28.)



1. A rotary brush comprising a supporting plate, a motor mounted thereon, a motor shaft extending below said plate and provided with a reduced end, a supporting plate mounted on the reduced end of said shaft, said supporting plate being provided with an enlarged central portion, a base plate mounted on said supporting plate, said base plate being provided with an enlarged opening for the reception of the enlarged portion of the supporting plate, bristles secured to said base plate, and a cap mounted on the end of said shaft and secured to said base plate and said supporting plate.

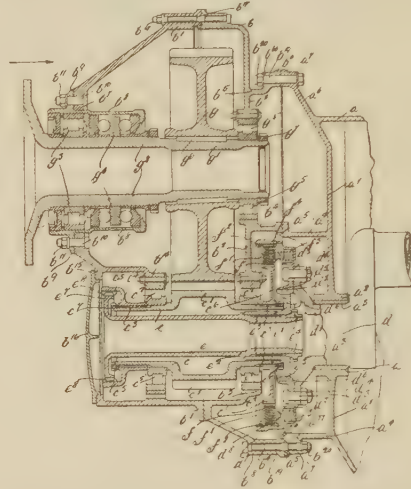
1,460,766. RECOVERING ZIRCONIUM OXIDE. MALCOLM N. RICH, Cleveland, Ohio. Filed Sept. 8, 1919. Serial No. 322,415. Renewed Nov. 21, 1922. 5 Claims. (Cl. 23-13.)

1. In the recovery of zirconia, the process which comprises producing a solution of normal zirconium sulfate in water substantially free from sulfates of alkalis and alkaline earths and of slightly acid nature, allowing said solution to stand with frequent agitation for about four days, and separating the mother liquor from the deposited basic zirconium sulfate.

1,460,767. MOTOR FUEL. FREDERICK W. ROHRS, Baltimore, Md. Filed Dec. 17, 1921. Serial No. 523,193. 5 Claims. (Cl. 44-9.)

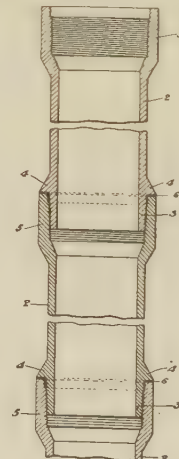
1. A motor fuel comprising from 1 to 3 parts of acetone, 25 to 35 parts of petroleum distillate, and 50 to 80 parts benzol, said parts of benzol varying from the minimum to the maximum above set forth in direct variation to the increase in temperature.

1,460,768. MOUNTING AND DRIVING OF GEAR WHEELS. FREDERICK HENRY ROYCE, Derby, England, assignor to Rolls Royce Limited, Derby, England, a Company of Great Britain. Filed Dec. 13, 1922. Serial No. 606,684. 10 Claims. (Cl. 74-7.)



1. In a gear mounting, the combination of a driving shaft, a driven shaft coaxial therewith, the latter shaft being hollow, a connecting shaft located within said driven shaft, connecting means between one end of the connecting shaft and the adjacent end of said driving shaft, other connecting means between the opposite end of said connecting shaft and the driven shaft, and a slipping driving connection between adjacent ends of the driven shaft and driving shaft.

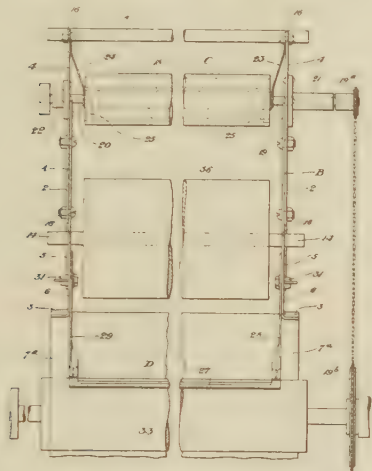
1,460,769. PIPE. AUGUSTUS M. SAUNDERS, McKeesport, Pa., assignor to National Tube Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed July 7, 1921. Serial No. 483,023. 1 Claim. (Cl. 137-75.)



A wrought metal pipe having a male thread on one end, an integral flat faced shoulder flange formed at the rear end of said male thread by upsetting the wall of the pipe outwardly only, said flange being adapted to form a bearing for a gasket, and an integral threaded

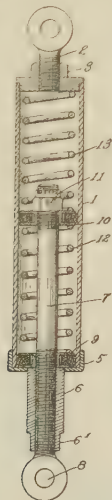
coupling portion formed on the opposite end of said pipe, said coupling portion being formed by upsetting and expanding the pipe wall outwardly until said coupling portion has a substantially thicker wall than said pipe and an inner diameter equal to the outer diameter of said male threaded end, said male end being of shorter length than said coupling member, and said pipe being of the same internal diameter throughout its length with the exception of the expanded coupling portion, substantially as and for the purpose described.

1,460,770. TYPEWRITER ATTACHMENT. HAYES C. STEVENS, Pittsburgh, Pa. Filed Apr. 6, 1921. Serial No. 458,899. 1 Claim. (Cl. 197-133.)



In a typewriter attachment the combination of a supporting frame having a pair of side members spaced apart, means on said attachment for supporting rolls of paper, a transversely extending reel mounted on stub shafts journaled in suitable bearings secured to said side members, said reel comprising a transversely extending roller member, a plurality of radially extending spring fingers mounted on said roller member, and an outer surrounding cylindrical core member supported on said spring finger members and adapted to receive paper to be reeled thereon.

1,460,771. SHOCK ABSORBER. GEORGE H. STONER, East Boston, Mass. Filed Aug. 13, 1917. Serial No. 185,807. 7 Claims. (Cl. 267-60.)



1. In a shock absorber, a pair of oppositely faced relatively movable members, a headed stem on one member

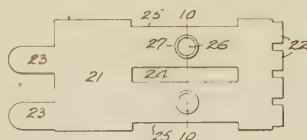
and disposed towards the other member, a bearing piece slidably mounted on said stem and confined by said head, a spring interposed between said stem carrying member and said bearing piece, and a second spring disposed between said piece and the other member.

1,460,772. RADIATOR CORE. FRANK TODD, Minneapolis, Minn. Filed July 26, 1920. Serial No. 399,176. 1 Claim. (Cl. 257-129.)



A fin strip formed of a single piece of material and comprising two substantially similar portions, each of said portions being formed of a plurality of fin portions, the inner edge of one of said fin portions extending downwards and joining the inner edge of the adjacent fin portion from which it is spaced, the outer edge of said last named portion extending downwards and joining the outer edge of the next adjacent fin portion from which it is likewise spaced, said two similar portions being joined together by lips extending transversely from adjacent extensions from said inner edges of adjacent fin portions, each of said fin portions being cut away semi-circularly at the center of one side so that when said two similar portions are brought together a tubular aperture extends axially through the structure so formed.

1,460,773. FORGED BRAKE-BEAM FULCRUM AND PROCESS OF MAKING SAME. ERNEST R. VIBERG, Montreal, Quebec, Canada. Filed Oct. 24, 1921. Serial No. 509,999. 7 Claims. (Cl. 29-164.)



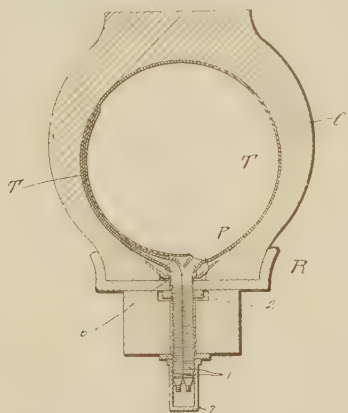
1. A brake beam fulcrum comprising a flat sheet bent to substantially cylindrical form, projections from one end of said sheet turned inwardly and forming a tension member seat and tension member retaining lugs, and outwardly directed feet at the opposite end of the fulcrum.

1,460,774. MANUFACTURE OF 2-OXY-1-ARYLNAPHTHYLAMINES. ANDRÉ WAHL, Enghien, and ROBERT LANTZ, Paris, France, assignors of nine-tenths to Societe Anonyme des Matières Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Filed Feb. 14, 1922. Serial No. 536,507. 4 Claims. (Cl. 260-128.)

1. The herein described manufacture of 2-oxy-1-arylnaphthylamines by causing primary amines to react with α -halogen- β -naphthols.

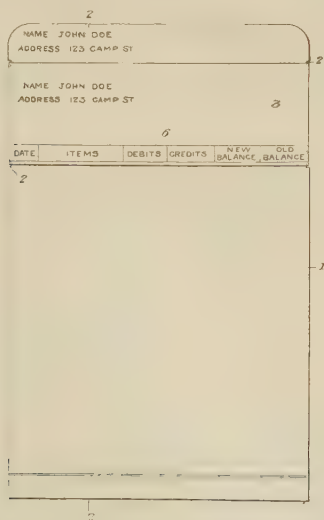
2. As a new manufactured product, the 2-oxy-1-arylnaphthylamines having at the ordinary temperature the form of crystals which are insoluble in water but soluble in the caustic alkalis and are precipitated from their solution in the caustic alkalis by the acids.

1,460,775. TIRE STRUCTURE. WILLIAM A. WALSH, Avoca, Pa. Filed Feb. 28, 1923. Serial No. 621,797. 2 Claims. (Cl. 152—22.)



2. An inflatable tire comprising a casing, independent tubes arranged therein, each of said tubes having individual valve stems, and a holding member common to both of the stems, said stems being positioned one adjacent to the other and having opposed flat surfaces substantially in contact, said flat faces having coacting means maintaining the stems in assembled relation.

1,460,776. RECORD SHEET OR CARD. JOHN ASHLAND WHERRY, New Orleans, La. Filed June 14, 1922. Serial No. 568,193. 6 Claims. (Cl. 283—61.)

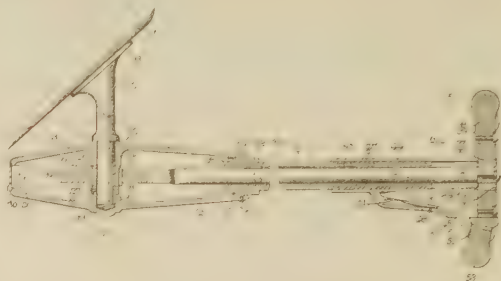


1. The combination of a record sheet, a removable band of paper or the like transversely surrounding the upper portion of said sheet, and self-contained means for effecting interlocking engagement between said sheet and band to prevent movement of the band longitudinally of the sheet.

1,460,777. SPOTLAMP. CAMERON A. WHITSETT, Chicago, Ill. Filed May 14, 1920. Serial No. 381,370. 24 Claims. (Cl. 240—7.)

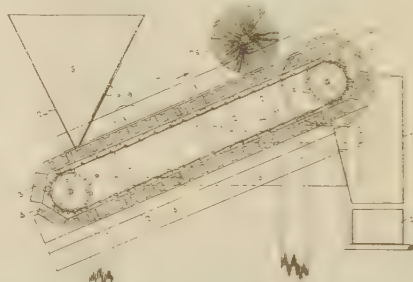
1. In combination, a supporting member for mounting on or adjacent the windshield of an automobile, a shaft extending through said supporting member, a housing at one end of said shaft and rotatable therewith concentrically about the axis of said shaft, a stem projecting from said housing and adapted to support a spot lamp, a control handle at the other end of said shaft, said control handle and said shaft having joint reciprocatory motion

along the axis of said shaft or rotational motion concentric with the axis of said shaft, and gearing connecting said shaft with said stem whereby the reciprocatory motion of said handle rotates said stem about its individual axis and rotational motion of said handle throws said stem and said lamp laterally to either side of the axis of said shaft.



catory motion of said handle rotates said stem about its individual axis and rotational motion of said handle throws said stem and said lamp laterally to either side of the axis of said shaft.

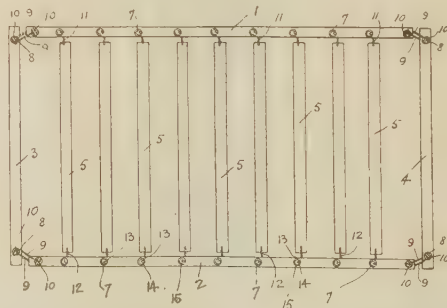
1,460,778. CAPSULE-COUNTING MACHINE. WARREN WILKIE, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a Corporation of Michigan. Filed May 15, 1922. Serial No. 561,115. 12 Claims. (Cl. 211—8.)



7. In a machine for counting articles, the combination with an endless conveyor comprising a series of laterally extending slats having recesses in their outer faces each adapted to receive a predetermined number of the articles, said conveyor having an upwardly inclined portion, means for feeding the articles in excess upon said conveyor, and means near the upper end of said upwardly inclined portion of said conveyor for removing the excess articles from successive portions of said conveyor.

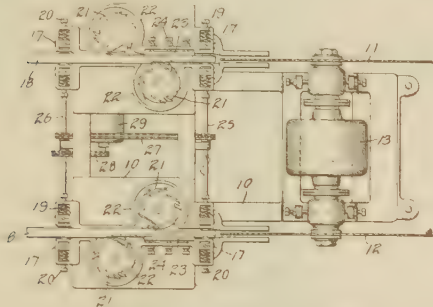
9. In a machine for counting articles, an endless conveyor comprising alternate series of blank and apertured slats, said apertured slats having laterally spaced groups of recesses each adapted to receive a predetermined number of the articles.

1,460,779. LOG RAFT. STANLEY WOOD, Victoria, British Columbia, Canada. Filed July 22, 1921. Serial No. 486,831. 3 Claims. (Cl. 9—15.)



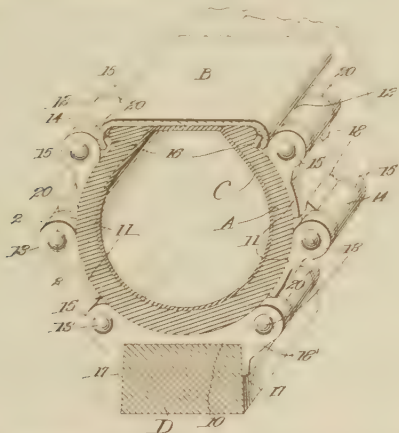
1. A log raft comprising side booms, a log supporting floor suspended between said booms, and means for raising or lowering said floor.

- 1,460,780. WOODWORKING MACHINERY. ERLE G. ASHLEY, Memphis, Tenn., assignor of one-third to Harry B. Anderson and one-third to Dwight R. Thomas, both of Memphis, Tenn. Filed Aug. 31, 1921. Serial No. 497,256. 4 Claims. (Cl. 144—3.)



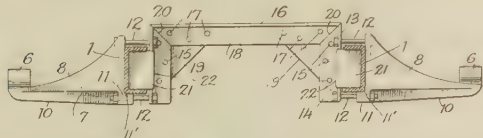
1. In a woodworking machine, a plurality of cutter-heads arranged in opposed pairs, individual driving means for the cutter-heads, a plurality of spring-pressed feed rollers for feeding a strip of wood to each cutter-head, a saw in advance of each pair of cutter-heads and lying in a plane passing between them, a plurality of spring-pressed feed rollers acting on each strip between the cutter-heads and the saw, and common driving means for all said feed rollers, substantially as set forth.

- 1,460,781. PNEUMATIC-TIRE PROTECTOR. CHARLES W. BAIN, Indianapolis, Ind. Filed Mar. 17, 1922. Serial No. 544,593. 1 Claim. (Cl. 152—16.)



A tire protector consisting of a plurality of plates to surround the tire, anchoring hook flanges extending from two of said plates, certain of said plates having lugs, certain of said plates having barrels to fit intermediate said lugs, disks intermediate said lugs and barrels, pivot rods passing through said lugs, barrels and disks, and bearing members in said barrels to abut said disks at the ends of the bearing members.

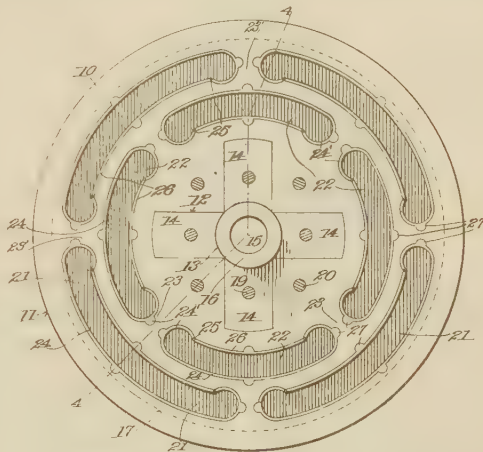
- 1,460,782. AUTOMOBILE SPRING-SUPPORTING MECHANISM. ANDREW J. BARRON, Cincinnati, Ohio, assignor to Cincinnati Horse Shoe & Iron Company, a Corporation of Ohio. Filed May 11, 1922. Serial No. 560,062. 2 Claims. (Cl. 267—54.)



1. The combination with the longitudinal chassis-channel of an automobile, of a side-spring supporting-hanger disposed on one side of said chassis-channel and

bearing thereagainst, hanger-supporting means disposed on the other side of said chassis-channel, fastening connections between said hanger and said hanger-supporting means, and a filler-member disposed in said chassis-channel and comprising a top and bottom and two ends, the latter projecting beyond the top and bottom, at one side thereof, to form lips bearing against said hanger-supporting means.

- 1,460,783. RESILIENT WHEEL. ARTHUR E. BAUMAN, Akron, Ohio. Filed Nov. 26, 1921. Serial No. 517,928. 9 Claims. (Cl. 152—29.)



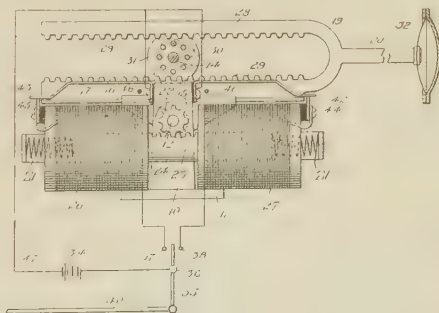
1. A resilient wheel having a resilient body having substantially transverse recesses, therein, spring means in said recesses, said spring means substantially throughout their margins, intimately contacting with the walls of the recesses, and retaining lugs on said spring means disposed at an angle to said walls and overlapping said body.

- 1,460,784. FOLDING RULE. FRED BUCK, Saginaw, Mich., assignor to The Lufkin Rule Company, Saginaw, Mich., a Corporation of Michigan. Filed Nov. 7, 1921. Serial No. 513,247. 8 Claims. (Cl. 33—106.)



1. In a folding rule, a plurality of pivotally connected sections, one of said sections having a pair of spaced longitudinal scales, another section having a base indication thereon, an extension member extending longitudinally of and slidably secured to said last-mentioned section between said scales and provided with means adapted to designate a figure of said scales for co-operation with said base indication.

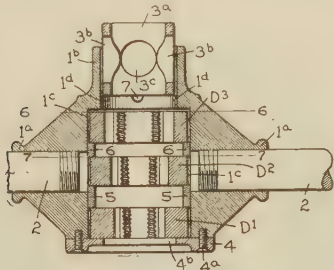
- 1,460,785. CONTROL MECHANISM. JOHN BUCKLEY, Mattapan, Mass. Filed Mar. 25, 1921. Serial No. 455,425. 5 Claims. (Cl. 74—27.)



1. In a device for connecting a governing mechanism with a mechanism controlled thereby, a yoke including

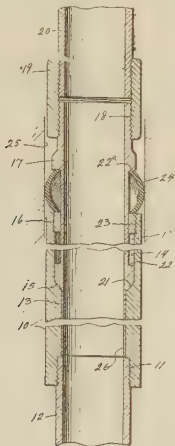
two substantially parallel arms provided with rack teeth, a pinion adapted to mesh with either of said racks to drive said yoke, a member having a groove and slot connection with said yoke, and electro-magnetic means responsive to movement of the governing mechanism for moving said member so as to bring either of said racks into engagement with said pinion.

1,460,786. DIESTOCK. WILLIAM V. BULMAN, Philadelphia, Pa. Filed Nov. 2, 1921. Serial No. 512,298. 16 Claims. (Cl. 10—114.)



1. A die stock comprising a body having an axial bore; a plurality of superposed cutting dies arranged within the bore; means for removably securing each of the dies in the body, and a changeable guide in the upper end of the body having a plurality of intersecting bores respectively corresponding to the respective cutting dies whereby by properly setting the guide a rod or pipe of any desired size may be directed by the guide to the related cutting die.

1,460,787. JAR COUPLING FOR OIL-WELL CASINGS. JULIUS GORDON BURCH, Bartlesville, Okla. Filed Feb. 26, 1921. Serial No. 445,254. 6 Claims. (Cl. 166—10.)

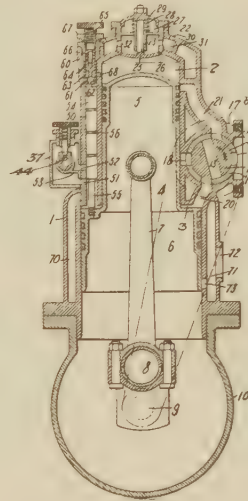


1. A well casing jar coupling comprising a pair of telescoping sleeves each adapted for connection with a casing section, one of said sleeves embodying a pair of spaced shoulders, an enlargement formed on the other of said sleeves and freely operable intermediate said shoulders and engageable with either thereof and means carried by one of said sleeves and cooperating with the other of said sleeves for maintaining continuity of the casing bore during relative movement of the sleeves.

1,460,788. DRILLING WELLS. FRANK J. CARMAN, San Francisco, Calif. Filed Mar. 21, 1922. Serial No. 545,574. 2 Claims. (Cl. 255—1.)

1. In the drilling of oil and gas wells with the aid of a mud circulation, the process which comprises adding to such a circulation material having a flocculating effect upon clay.

1,460,789. INTERNAL-COMBUSTION ENGINE. WALTER R. CRIDER, Indianapolis, Ind., assignor of one-half to Henry R. Carroll, Evansville, Ind. Filed Aug. 4, 1920. Serial No. 401,230. 26 Claims. (Cl. 123—71.)

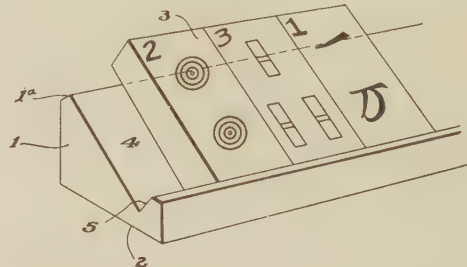


1. In an internal combustion engine, the combination of a cylinder having a combustion chamber, a piston movable in said chamber, means for admitting fuel to said chamber, a single valve for controlling the exhaust of the spent gases form said chamber and the supply of air thereto, operating connections for said valve whereby it opens the air supply to the combustion chamber during the compression stroke of the piston and a valve at the opposite side of the chamber to control the supply of fuel thereto, substantially as set forth.

1,460,790. WELDING ROD. JAMES H. CRITCHETT, Niagara Falls, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed June 24, 1921. Serial No. 480,231. 7 Claims. (Cl. 219—12.)

1. A welding rod or the like consisting of an iron alloy containing carbon and a substantial amount of chromium.

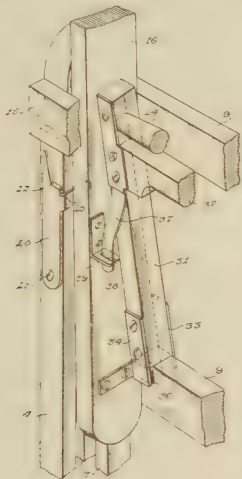
1,460,791. GAME-PIECE SUPPORT. RALPH C. CUNNINGHAM, Tacoma, Wash. Filed Dec. 29, 1922. Serial No. 609,730. 1 Claim. (Cl. 99—11.)



In combination a plurality of block like game pieces and a support for the same comprising an elongated strip having a horizontal bottom, a substantially vertical rear wall, a supporting ledge along the forward edge of said strip and a supporting surface inclined rearwardly and upwardly from said ledge toward the rear side of the strip, the upper rear edge of the strip being beveled off and the length of the game pieces being such with respect to the width of the inclined supporting surface that the upper ends of said game pieces project beyond said supporting surface but lie within the vertical plane of the rear wall of the strip, whereby the projecting por-

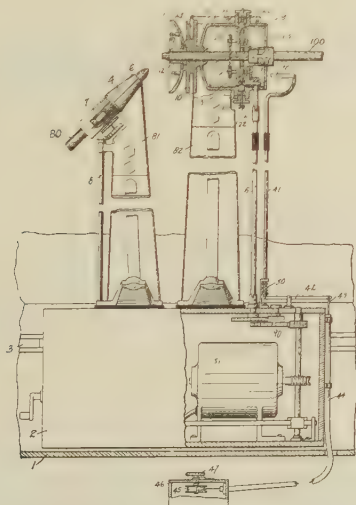
tions of a plurality of the game pieces may be simultaneously grasped to lift and play them and whereby the elongated strip may be tipped over rearwardly without interference by the said game pieces, to expose the said game pieces to the view of other players.

1,460,792. COMBINATION LADDER. EUGENE DARNELL and LOUIS G. CASSIDY, Wichita, Kans. Filed Apr. 17, 1922. Serial No. 553,707. 11 Claims. (Cl. 228—18.)



1. A ladder comprising a major section consisting of side bars and rungs extending between the side bars, a minor section consisting of side bars and rungs extending between the side bars, the minor section being adapted to fit between the side bars of the major section, locking feet pivotally mounted on a rung of the minor section and provided at their lower ends with means to engage a rung on the major section, a cross bar connecting the locking feet just below their pivotal mounting, resilient connections between the locking feet and the minor section holding the locking feet normally away from the major section, and means for limiting the pivotal movement of the locking feet in a direction away from the major section.

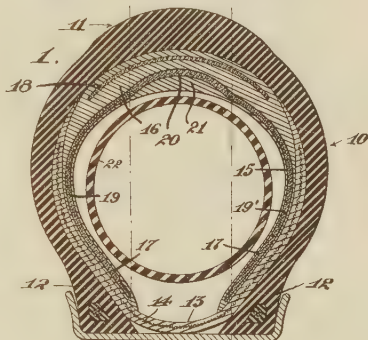
1,460,793. FEEDING AND ROTATING MEANS FOR ELECTRODES. ARTHUR P. DAVIS, Brooklyn, N. Y., assignor to Elmer A. Sperry, Brooklyn, N. Y. Filed Mar. 27, 1917. Serial No. 157,608. 8 Claims. (Cl. 176—51.)



1. The combination with an electrode holder, of mechanism for feeding the electrode therethrough including

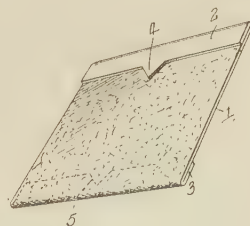
a plurality of feed rollers, means for mounting the same to engage at substantially opposite points the electrode, means for oppositely altering the planes of rotation of each roller to vary the rate of feeding during the operation of the lamp and means for driving the rollers.

1,460,794. TUBE CASING. JOHN H. GRUBE, Los Angeles, Calif., assignor to Grube Auto & Tire Specialties Corp'n, Phoenix, Ariz., a Corporation of Arizona. Filed July 22, 1921. Serial No. 486,698. 10 Claims. (Cl. 152—13.)



9. In a pneumatic tire, a tubular outer casing having its inner periphery divided and adapted to be attached to a wheel rim, a rubber inner sheath member arranged within the outer casing and spanning the divided inner periphery of the latter and having side portions extending over the inner surface of each of the side portions of the casing, a second rubber sheath member of tubular form and divided on its inner periphery and formed with a thickened tread portion to lie against the inner surface of the outer casing opposite the tread surface of the latter, the side portions of said second sheath member extending over the inner surface of the side portions of the other sheath member and having soft rubber edges, an inflatable inner tube arranged within the second sheath member, and a cord fabric reinforcement embedded in said second sheath member and extending throughout the side portions thereof and across the thickened tread portion with a slack in the tread portion whereby said tread portion may have free elastic action, and with the fabric in the side portions arranged to have a stiffening effect to confine active elastic movement to the tread portion.

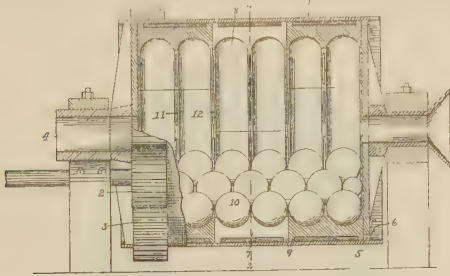
1,460,795. SHINGLE. NORMAN P. HARSHBERGER, Chicago, Ill., assignor to Tee-Lok Shingle Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 14, 1921. Serial No. 522,223. 7 Claims. (Cl. 108—7.)



1. A plurality of shingles laid in a row, each shingle having a flat body portion with two of its opposite end margins folded back on themselves on opposite sides of the shingle body to provide a double thickness of material along each of such margins, said shingles being laid

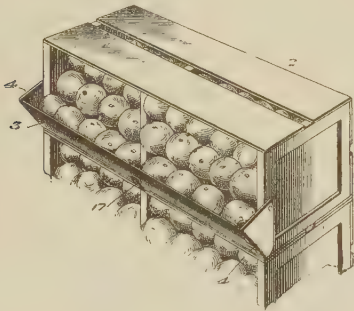
with the folded portion on the under side of one shingle having an abut joint with the folded portion on the upper side of the adjacent shingle and with said folded portions overlapping the body portions of said shingles.

1,460,796. LINING FOR BALL MILLS. ERIC HEDBURG, Kingman, Ariz. Filed Apr. 5, 1920. Serial No. 371,291. 1 Claim. (Cl. 83—9.)



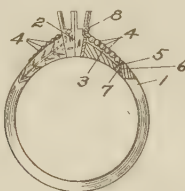
In a mill lining a section in the form of a segment of a circle and having grooves at its inner side and feet at its outer side and having slots passing transversely through the same, some of the slots being located between the grooves and other of the slots being located at the side edge portions of the segment.

1,460,797. ATTACHMENT FOR FRUIT CRATES. RICHARD W. HICKS, Akron, Ohio. Filed Mar. 11, 1922. Serial No. 542,824. 5 Claims. (Cl. 217—58.)



1. A device adapted to be attached at the open side of a crate comprising, a guard of substantially the length of the crate, and hinged end members constructed to secure the guard to the crate in an inclined position relative to one edge of the open side thereof with one edge of the guard resting upon said edge of the crate.

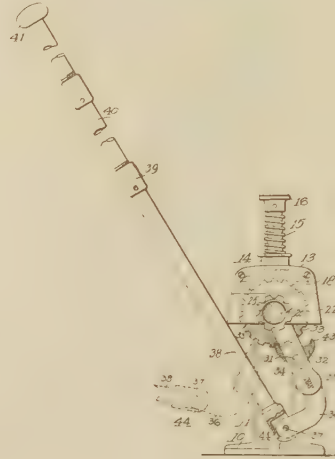
1,460,798. FINGER RING. CARLTON W. HOLMES, Long Beach, Calif., assignor of one-half to Zebulon S. Skinner, Los Angeles, Calif. Filed June 7, 1921. Serial No. 475,611. 1 Claim. (Cl. 63—15.)



A ring of the character shown having a ring body with a setting therein, said ring body increasing in thick-

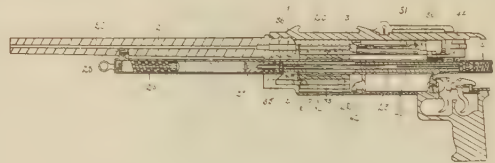
ness as it approaches the opposite sides of said setting and having circumferentially extending grooves in its top side at opposite sides of said setting, a series of jewels seated in said grooves, at each side of said setting, and securing wires for each set extending from the setting, through said jewels and at its end secured through an opening in the body of the ring, as shown and described.

1,460,799. SCREW JACK. ALVIN L. JOHNSON, Worcester, Mass., assignor of forty-eight per cent to W. Goulding Warren, Holden, Mass., and four per cent to Albert E. Fay, Worcester, Mass. Filed Feb. 3, 1922. Serial No. 533,971. 17 Claims. (Cl. 254—103.)



1. In a jack, the combination with a work rest, of a depending oscillatory arm, means comprising a pawl for causing the oscillation of said arm to raise or lower the rest, and means whereby the swinging of the arm to its limiting position will shift the pawl.

1,460,800. CARTRIDGE-FEEDING MECHANISM FOR MACHINE GUNS. MILLARD L. JOHNSTON, Utica, N. Y. Filed Sept. 16, 1918. Serial No. 254,217. 4 Claims. (Cl. 89—33.)

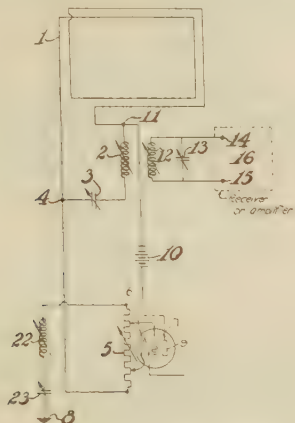


2. In a machine gun having a cartridge carrier, a latch carrier, a demountable latch mounted in said carrier, automatic means for actuating said latch laterally, and means for impinging against said latch carrier, whereby to actuate said latch in a longitudinal manner to revolve the cartridge carrier to bring the cartridges into loading position.

1,460,801. DIRECTIONAL RADIO RECEIVING SYSTEM. ROBERT H. MARRIOTT, Bremerton, Wash. Filed June 20, 1921. Serial No. 478,960½. 1 Claim. (Cl. 250—11.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

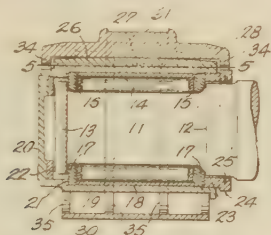
In a radio receiving system, a loop antenna circuit, an earth connection therefor, a thermionic repeater hav-

ing its grid and filament connected with said ground connection and a connection from the plate circuit of



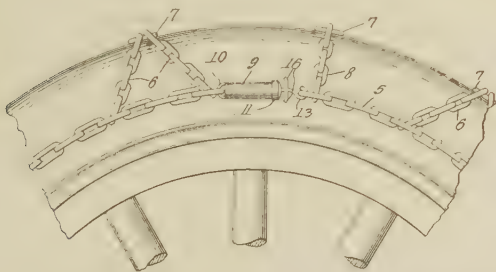
said thermionic repeater to loop circuit, whereby the loop-to-ground potentials are repeated and impressed upon the loop antenna circuit.

1,460,802. RAILWAY-CAR-JOURNAL ROLLER BEARING. KARL F. NYSTROM, Montreal, Quebec, Canada. Filed June 11, 1921. Serial No. 476,775. 7 Claims. (Cl. 64-62.)



6. In a railroad journal bearing, a split rolling element carrying cage, a sleeve surrounding the cage and holding the same in assembled position around a journal and forming a rolling element raceway, a casing surrounding the sleeve, a seat at the outer end of said casing to limit outward movement of the sleeve, an adjustable ring at the inner end of the case to urge said sleeve toward the seat and thrust rings at the ends of the cage held rigidly between the seat and adjustable ring, and adapted to engage the end shoulders of a journal.

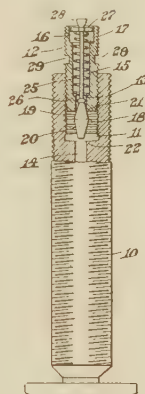
1,460,803. ANTISKID CHAIN. EDWARD A. PORTZER, St. Marys, Pa. Filed Apr. 2, 1921. Serial No. 458,161. 1 Claim. (Cl. 267-74.)



The combination with an anti-skid device including parallel side chains, of a cylinder carried by one end of each chain, a cap arranged upon one end thereof, a hook for engagement with the opposite end of each chain extending within each cylinder, a coil spring in each cylinder and normally urging said hooks toward the cyl-

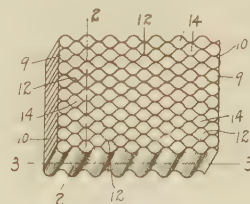
inder, and a finger engaging element carried by each hook, said element interposed between the hook and the cylinder and in the same plane as the hook, whereby said finger engaging element is moved against tension of the spring for the purpose of engaging or disengaging the hook from the chain.

1,460,804. VALVE STEM FOR PNEUMATIC TIRES. AR B. SHAW, Medford, Mass., assignor to Shaw Specialty Co. Inc., Boston, Mass., a Corporation of Massachusetts. Filed July 18, 1922. Serial No. 575,801. 5 Claims. (Cl. 152-12.)



1. A valve stem having a valve seat in its upper end; a tubular member adjustable lengthwise of said stem and having a valve seat in its inner end; a spring-pressed rod within said tubular member having a ball formed upon its inner end; and a valve having a socket to receive said ball.

1,460,805. RADIATOR CORE. HENRY SWAY, Cincinnati, Ohio. Filed Sept. 22, 1920. Serial No. 411,962. 2 Claims. (Cl. 257-130.)

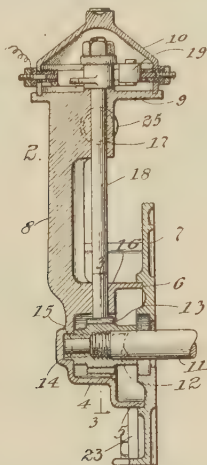


1. A radiator section including a transversely corrugated strip of sheet metal, the peaks of the ridges of said corrugations and the bottoms of the cavities of said corrugations being gradually curved towards their outer ends, said strip being folded intermediate its ends to form air passageways and the peaks of said ridges on the opposite sides of said fold abutting against each other, the portions of the folded strip between said abutting ridges forming substantially frusto-conical tubular portions at the ends of the air passageways, and the ends of said strip being connected together.

1,460,806. TIMER ELEVATOR FOR FORD CARS. VICTOR W. THOMAS, Waukegan, Ill. Filed Feb. 21, 1921. Serial No. 446,641. 3 Claims. (Cl. 123-146.5.)

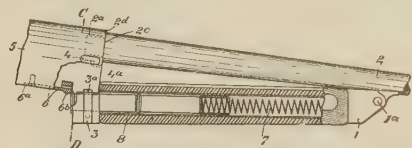
3. Means for mounting and actuating a timer for ignition system of an internal combustion engine comprising a spiral gear adapted to be mounted upon the end of the cam-shaft of the engine and having an axial extension, a casing having a socket for journalling the extension of

said gear whereby said casing is located and a bearing is provided for the outer end of the cam-shaft, a shaft journaled in said casing, a second spiral gear mounted upon said shaft and meshing with said first-mentioned gear,



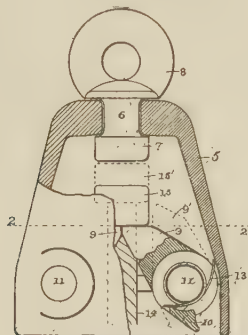
an extension from said casing terminating in a platform through which said shaft extends, and arms extending from said casing to secure said casing as positioned through the interfitting of said first-mentioned gear therewith.

1,460,807. SELF-LOADING FIREARM. FRITZ WALTHER and GEORG WALTHER, Zelle-Mehlis, Germany. Filed Aug. 29, 1921. Serial No. 496,757. 3 Claims. (Cl. 42-49.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Self-loading fire arm comprising in combination with the barrel a forestock hingedly connected with the barrel, a locking device for securing said forestock in its normal position and for releasing the same so that it can swing to an angular position with regard to the barrel, a second locking device for locking said fore end of the stock in this angular position and for releasing the same so that it can be swung to a position at approximately right angles to the barrel to serve as handle for screwing the barrel in or out of the breech.

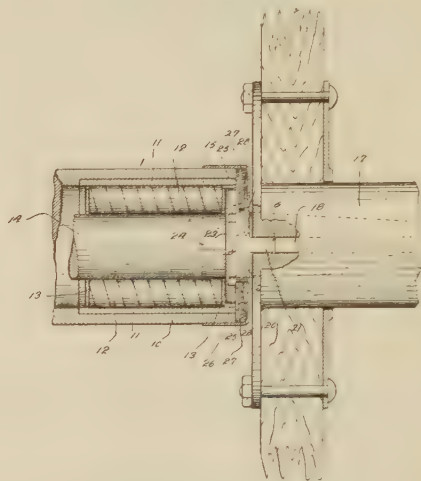
1,460,808. LOGGING BULL HOOK. OSCAR A. WIRK-KALA, Kent, Wash. Filed Aug. 10, 1922. Serial No. 581,036. 5 Claims. (Cl. 24-123.)



1. In a bull hook in combination, a hook body, and a pair of dogs mounted for oscillation on bearings in said

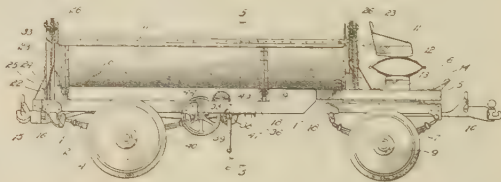
hook body adapted for the passage of a knobbed cable between them and further adapted to have their free ends bear on each other on one side of a line drawn through said mounted ends.

1,460,809. OIL RETAINER FOR JOURNAL BOXES. ADAM BOOMERSHINE, Dayton, Ohio, assignor of one-half to John C. Slager, Dayton, Ohio. Filed Jan. 30, 1919. Serial No. 273,938. 18 Claims. (Cl. 64-22.)



11. An oil retainer for journal boxes, comprising a bulkhead fixed against lateral motion and oil tight with reference to the journal box through which the journal shaft passes, said bulkhead having an aperture larger than the journal, a bulkhead on the journal, and means independent of the journal and indifferent to the position of the journal in the journal box, for maintaining face to face contact between said bulkheads.

1,460,810. DUMPING VEHICLE. ADDI BENJAMIN CADMAN, Beloit, Wis., assignor to Warner Manufacturing Company, Beloit, Wis., a Corporation of Wisconsin. Filed Mar. 26, 1921. Serial No. 455,841. 10 Claims. (Cl. 298-10.)

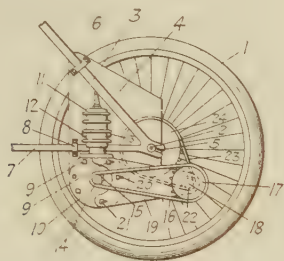


1. A dump truck having a frame mounted on wheels, a body supported on said frame to be tilted sidewise for unloading, mechanical operating gearing for tilting said body, an operating shaft having driving connections with said gearing and extending out on the side of said truck, and an operating crank for said shaft having means for engaging the same to turn only in such a way as to operate the gearing to dump the truck load on the opposite side of the truck.

1,460,811. EXPLOSIVE-ENGINE ATTACHMENT FOR BICYCLES. ERNEST S. CALENO, Dayton, Ohio. Filed May 27, 1921. Serial No. 473,074. 2 Claims. (Cl. 180-33.)

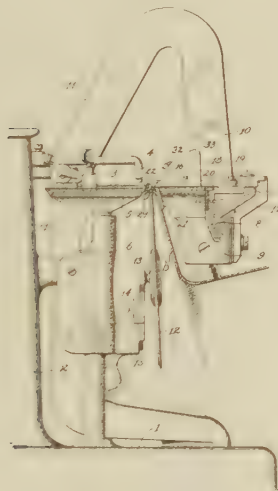
2. The combination with a bicycle, of an explosive engine detachably secured thereto, a crank shaft propelled by said engine, a sprocket on said shaft, a rear sprocket,

a shaft on which the latter is mounted, a sprocket chain transmitting power from the front to the rear sprocket,



and a pair of longitudinally adjustable side plates secured to the bicycle, in which the rear sprocket shaft is journaled, for the purpose specified.

1,460,812. GUIDE FOR SEWING MACHINES. JOHN J. DRAKE, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 20, 1920. Serial No. 352,871. 11 Claims. (Cl. 112—15.)



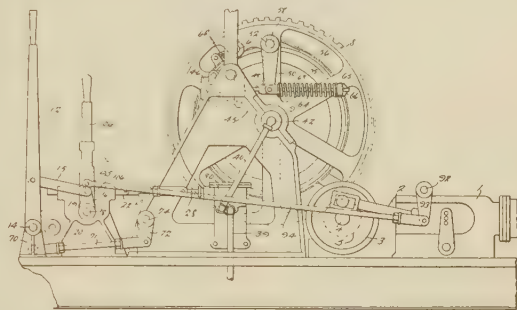
4. A guide for hat sewing machines comprising, opposed depending rests defining an inverted trough, said guide being formed within the trough with a shoulder and with a groove at one side of and above the level of said shoulder, substantially as and for the purpose specified.

5. In a hat sewing machine, the combination with stitch-forming mechanism including a horizontally reciprocating needle and feeding mechanism including opposed feeding and presser-wheels, of means in advance of said stitch-forming and feeding mechanisms and between said wheels for reversely folding the marginal portion of a hat trim adjacent the inwardly disposed free edge of a pre-formed edge fold and presenting said free edge and reversely folded portion to the stitch-forming and feeding mechanisms.

1,460,813. CONTROL MECHANISM OF EXCAVATING MACHINES OR THE LIKE. HOLLIS H. HARRIS, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a Corporation of Ohio. Filed Mar. 21, 1919. Serial No. 284,109. 25 Claims. (Cl. 192—3.)

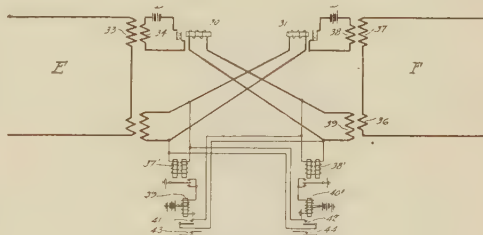
1. The combinations with a throttle controlled engine of an operating member driven thereby, a friction clutch between the engine and the operating member, means for

controlling the clutch, throttle operating means, a single manually operable controlling member connected with



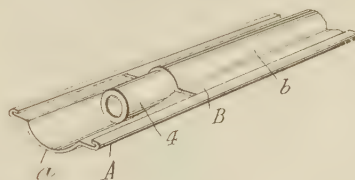
both said means and determining the operation of said means by its position, and means for separating the throttle control means from said member.

1,460,814. VOICE-CURRENT TELEPHONE REPEATER. JOHN H. HOMRIGHOUS, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1919. Serial No. 285,586. 19 Claims. (Cl. 179—170.)



1. In a telephone system, a pair of lines joined by a two-way repeating apparatus, said apparatus consisting of two repeaters each normally in full repeating relation to one of said lines, and a voice current controlled circuit changing device included in the energizing circuit of each repeater and operating with its associated repeater to render the other repeater inoperative.

1,460,815. ELECTRIC HEATER. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Feb. 10, 1922. Serial No. 535,584. 22 Claims. (Cl. 219—63.)

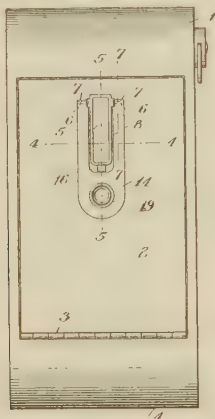


1. An electric heater comprising a metal shell made in separable parts suitably secured together, a refractory insulating duct fitted into the shell, and a heating coil extending loosely through the said duct.

1,460,816. CAMERA SUPPORT. ROBERT KROEDER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 8, 1922. Serial No. 586,994. 2 Claims. (Cl. 95—86.)

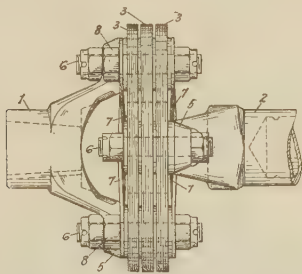
1. In a folding camera, the combination with a body and a bed hinged thereto, of a folding pivoted leg for

supporting the bed when extended, a plate on the bed supporting the leg bearings and a threaded nut adapted



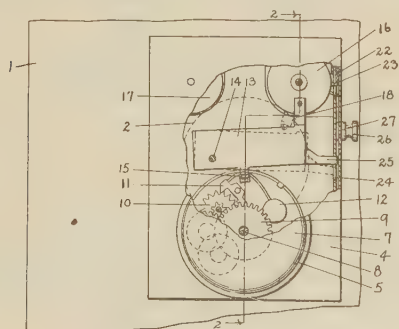
for the connection of a camera supporting tripod, said nut being arranged to secure the plate to the bed.

1,460,817. FLEXIBLE JOINT. BENJAMIN LIEBOWITZ, New Rochelle, N. Y. Filed Nov. 26, 1921. Serial No. 517,942. 6 Claims. (Cl. 64-96.)



1. In a flexible joint of the character described, the combination with a flexible member and a pair of yoke members fastened thereto, of strut members fastened to said flexible member at points intermediate the points of attachment of said yoke members.

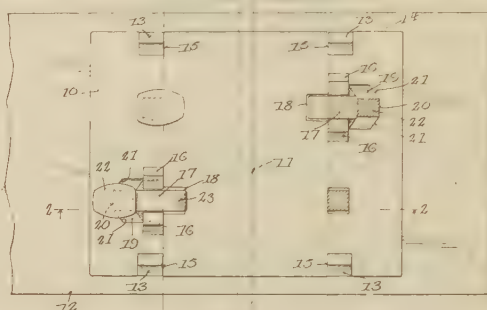
1,460,818. BURGLAR ALARM. JOHN W. LONGWORTH, Grand Rapids, Mich., assignor to Aben E. Johnson, Hastings, Mich. Filed Dec. 8, 1921. Serial No. 520,795. 10 Claims. (Cl. 116-79.)



2. In a burglar alarm, the combination of a housing adapted to receive a door knob, an alarm, an alarm control member, means for supporting said housing upon a door knob comprising a roller mounted in said housing to be engaged with a knob, a dog on said roller coacting with said alarm control member for holding said member in alarm locking position, said dog being disengaged by the rotative movement of said roller, a setting

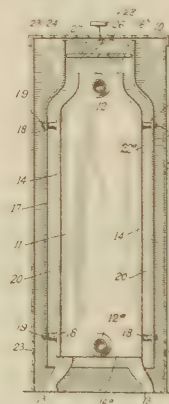
and locking member having cam slots therein, a pin on said roller coacting with one of said cam slots, and an arm on said alarm control member coacting with the other of said cam slots so that the roller and the alarm control member are set and retained in set position.

1,460,819. RAIL FASTENER. EMERY M. MCVICKER, Milwaukee, Wis., assignor to J. F. McVicker, Milwaukee, Wis. Filed May 22, 1922. Serial No. 562,599. 6 Claims. (Cl. 238-304.)



3. A rail fastener including a tie plate having an opening therethrough and an undercut wall, a rail clip having upper and lower jaws for embracing an edge of the rail and a portion engageable beneath said wall, a spike in said opening behind said clip to retain said clip in rail securing position, and a recess in the rear wall of said opening for retaining said spike in clip engaging position.

1,460,820. HEATING APPARATUS. ANDRÉ M. MERTZANOFF, New York, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 20, 1919. Serial No. 272,019. 10 Claims. (Cl. 257-136.)

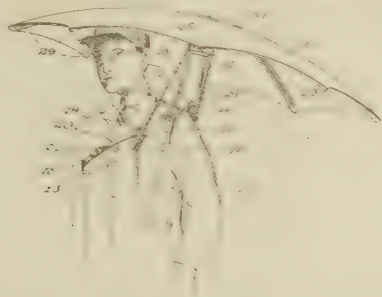


3. An apparatus comprising a heat emitting-element having a plurality of independent air passages therein provided with constricted outlet openings, a member surrounding said element and spaced therefrom to form an air passage, a housing enclosing said element and said member, and a damper for controlling the flow of air through the air passages in said element and the passages between said element and the member surrounding the same, substantially as specified.

1,460,821. UMBRELLA. THOMAS J. MORRIS, Richmond, Va. Filed Feb. 14, 1922. Serial No. 536,451. 13 Claims. (Cl. 135-20.)

1. In a device of the kind described, a housing frame open at the top, an umbrella in said housing frame and

having its central portion within the frame and ribs projecting upwardly from said central portion, and mecha-



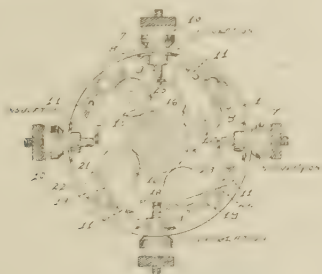
nism attached to the umbrella and housing frame and arranged to raise the central portion of the umbrella frame and expand the ribs outwardly.

1,460,822. ANTISLIPPING ATTACHMENT FOR VEHICLE WHEELS. CHARLES MOSS, New York, N. Y. Filed Mar. 5, 1920. Serial No. 363,471. 3 Claims. (Cl. 152—14.)



1. In a device of the character described, an anti-slipping attachment comprising a tire-engaging member provided along its longitudinal edges with outwardly bent flanges, said member having apertures therein, and being pressed outwardly about said apertures to form recesses on the inner face of said tire-engaging member, and annuli on the outer face thereof, and tread means mounted upon said tire-engaging member between said flanges provided with apertures reamed at their ends and in alignment with said apertures of said tire-engaging member, the reamed portions at one end being engaged by said annuli and rivet members engaged through said apertures to secure said tread means to said tire-engaging member, the heads at one end of said rivet members being countersunk in said recesses on the inner side of said tire-engaging member, the heads at the other ends thereof being countersunk in said reamed portions at the exposed side of said tread means.

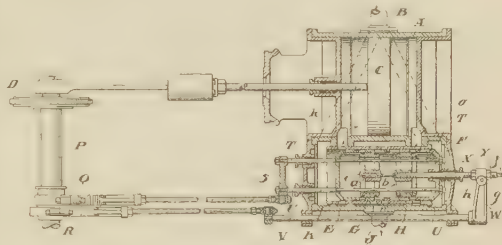
1,460,823. TIMER. JESSE C. OSBORN, Chicago, Ill., assignor to J. W. Duntley, Chicago, Ill. Filed Apr. 3, 1920. Serial No. 370,987. 1 Claim. (Cl. 200—27.)



In a timer the combination with a casing having a plurality of equally spaced apertures in the periphery thereof, of electric terminals engaged in said apertures and insulated therefrom, a stub shaft secured in the casing adjacent each of said terminals, a bracket pivoted on each of said shafts, a roller pivoted in each bracket, a lever also pivoted in each bracket on a different center than the roller, a contact member on the lever adapted to engage the electric terminal, a spring engaged around the shaft and having its extremities se-

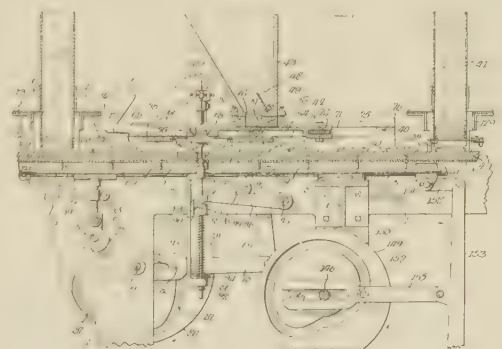
cured to the lever and to the inside of the casing tending to hold the contact member on the lever in contact with the electric terminal in the casing, and a rotatable cam in the casing for normally holding the contact members separated and allowing said members to successively contact.

1,460,824. COMPRESSOR VALVE. FREDERICK W. PARSONS, Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 14, 1922. Serial No. 529,283. 5 Claims. (Cl. 230—24.)



1. In a compressor, the combination with the cylinder and piston, of a mechanically operated combined inlet and discharge valve for the cylinder, comprising a main valve member controlling the closing of the discharge at the end of the piston stroke and having closed ends, which control the opening and closing of the intake, an auxiliary valve member carried by the main valve member and controlling the opening point of discharge from the cylinder, and means for adjusting said auxiliary valve member to vary the opening point of discharge.

1,460,825. FLAT-ICING MACHINE. FRANK M. PETERS and WARREN H. HUNGERFORD, Chicago, Ill., assignors to Peters Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed July 1, 1920. Serial No. 393,364. 9 Claims. (Cl. 107—1.)



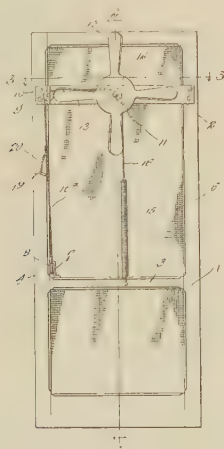
1. In a cake machine, the combination of a frame having a supporting surface along which cakes are adapted to be moved, means adjacent the supporting surface for coating the surface of the cakes with a material, a magazine adapted to contain a supply of cakes, and a plurality of vertically movable pushers, adapted to reciprocate lengthwise of the supporting surface for withdrawing cakes from the magazine and advancing same to the coating means.

3. In a cake machine, the combination of a frame having a supporting surface composed of a plurality of slats spaced apart to afford slots therebetween, a cake magazine at one end of the supporting surface, a reciprocal frame with pushers adapted to be projected through the slots between the slats, above the surface of the latter, for withdrawing cakes from the magazine and moving same, step by step, along the supporting surface, a hopper for material to be applied to the

surface of the cakes, and means for successively coating the cakes withdraw nfrom the magazine with the material contained in the hopper.

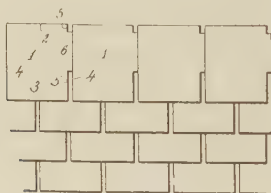
8. In a cake machine, the combination of a stencil plate having an opening therethrough, means for applying a cake to the opening, a hopper for coating material and a member adapted to be projected from and returned under the hopper while the cake is applied to said opening, said member having opposed inclined surfaces, adapted to spread the coating material in both directions of its reciprocation over the surface of each cake.

1,460,826. FLY-CHASING SCREEN-DOOR ATTACHMENT. HERBERT PILGER, Plainview, Nebr. Filed Mar. 11, 1922. Serial No. 542,910. 2 Claims. (Cl. 230—7.)



1. The combination with a screen door, a fly frightening wheel mounted at the outer side thereof, a cable having one end engaging around the hub of the wheel and secured thereto, a retractile spring connected with the door and the opposite end of the cable, a further cable also having one end engaging around the hub of the wheel and secured thereto, and handles connected with the last mentioned cable, one of the handles being arranged at the outer side of the door and the other handle being arranged at the inner side of the door, the opposite end of the last mentioned cable extending through an opening within the screen door.

1,460,827. PREPARED ROOFING ELEMENT. ASA R. PURDY, Boundbrook, N. J., assignor to Ruberoid Co., a Corporation of New Jersey. Filed Dec. 3, 1921. Serial No. 519,684. 3 Claims. (Cl. 108—8.)



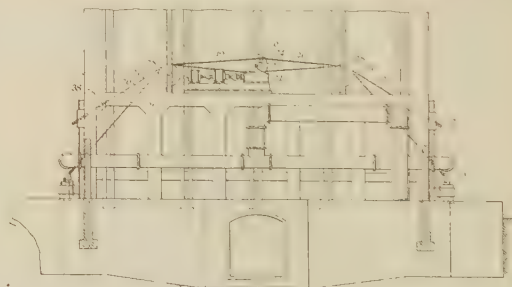
2. A self-spacing prepared roofing element having substantially parallel straight sides with a shoulder projecting from one side intermediate the ends, the shoulder being spaced from the lower end a distance defining the length to be exposed when the element is laid, the length of the shoulder being one-half the length of the element.

1,460,828. PROCESS OF SEALING VERTICAL COKING CHAMBERS. JOSEF SCHÄFER, Dortmund, Germany. Filed Dec. 3, 1920. Serial No. 428,171. 5 Claims. (Cl. 202—9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The process of sealing vertical coking-chambers and the like by first, closing the discharge-opening thereof by a granular sealing-agent; second, keeping a liquid in contact with said sealing-agent for forming a moist-seal adapted to draw said liquid up by capillary action and to hold it in readiness for evaporation as demanded by the process of dry-distillation; third, sealing the charging mouth of said coking-chambers by a dry-seal consisting of a granular sealing-agent of the same nature as utilized in said moist-seal; fourth, removing said moist-seal by opening the discharge-opening and discharging the carbonaceous product of dry-distillation; fifth, closing said discharge-opening and sixth, automatically transferring the granular sealing-agent of said dry-seal to said closed discharge opening for utilizing it as a sealing-agent in the building up of the subsequent moist-seal when said dry-seal is being broken up for the admission of a new charge, substantially as specified.

1,460,829. REVERSING MECHANISM FOR BY-PRODUCT COKE OVENS. LLOYD F. SCHRADER, New York, N. Y., assignor to Foundation Oven Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1919, Serial No. 325,570. 4 Claims. (Cl. 137—148.)



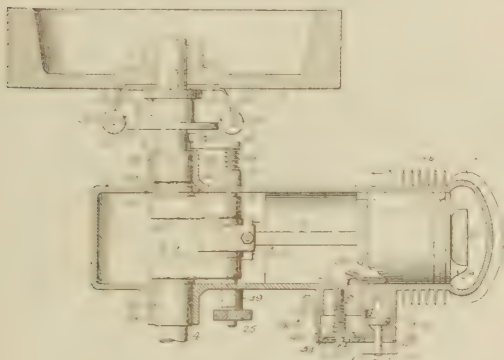
1. Mechanism for operating the air and gas valves of a coke oven, said mechanism including in combination actuating devices for said valves and a common motor for reversing at the same time the actuating devices for both sets of valves.

1,460,830. METALLURGICAL PROCESS. HERMAN G. C. THOFERN, Roselle Park, N. J.; Donald H. McLean administrator of said Herman G. C. Thofern, deceased. Filed Oct. 4, 1918. Serial No. 256,868. 4 Claims. (Cl. 75—27.)

1. A metal scavenging process consisting in introducing in the molten metal to be treated, during the

pouring of the molten metal into the ladle, an alloy of aluminum and magnesium in the proportions to said molten metal substantially as specified.

- 1,460,831. INTERNAL-COMBUSTION ENGINE. HERBERT L. THOMPSON, Elgin, Ill., assignor to Burgess-Norton Manufacturing Company, Geneva, Ill., a Corporation of Illinois. Filed May 27, 1921. Serial No. 472,944. 8 Claims. (Cl. 123-73.)



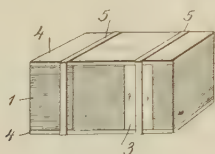
7. In a valve operating mechanism, the combination of a drive shaft, a rock shaft parallel with said shaft, a valve member mounted on said rock shaft and adapted to open and close a valve, an arm fixed to said rock shaft and extending radially toward the drive shaft, and a governor comprising a friction disc slidably mounted on said drive shaft and adapted to frictionally engage the end of said radial arm, yieldable arms mounted on said disc, and weights at the ends thereof, said arms and weights being actuated by centrifugal force to flex said arms and to effect the axial movement of said disc along said drive shaft.

- 1,460,832. PROCESS FOR THE RECOVERY OF THE ACTIVE PRINCIPLE OF THE SUPRARENAL GLANDS. KEIZO WOYENAKA, Tokyo, Japan, assignor to Jokichi Takamine, New York, N. Y. Filed Dec. 27, 1920. Serial No. 433,259. 10 Claims. (Cl. 167-7.)

1. The improvement in the process of extracting the active principle of the suprarenal gland, which consists in subjecting the gland to the action of a proteolytic enzyme before separation of the solution containing the active principle.

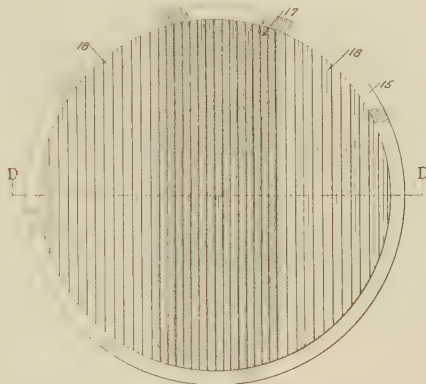
3. A process of purifying the crude active principle of the suprarenal gland, which consists in dissolving the same in an acid in quantity in excess of double the combining weight of the said acid with said product, and precipitating impure matter from said solution with alcohol.

- 1,460,833. PACKAGING SHINGLES. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed Mar. 10, 1922. Serial No. 542,564. 5 Claims. (Cl. 206-47.)



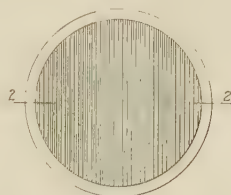
1. A package comprising a plurality of similarly recessed roofing elements arranged with the recesses in registration to form a groove, a nail-container of a shape complementary to that of the groove fitting in the groove, and fastening means binding said parts together.

- 1,460,834. HEADLIGHT CONSTRUCTION. SAMUEL F. ARBUCKLE, Connorsville, Ind., assignor to Monogram Lens Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 13, 1922. Serial No. 536,024. 2 Claims. (Cl. 240-48.4.)



1. A cover front for use with a headlight having a source of light and a reflecting surface, said cover front having means whereby rays of light reflected from the reflecting surface are deflected laterally to provide a horizontally wide spread driving light, said means comprising a plurality of vertical zones, each zone composed of vertical convex ribs, the central portion of the ribs of some of the zones being relatively flat, the curvature of the ribs of one zone being different from the curvature of the ribs of an adjacent zone, the relatively flat portion of said ribs having such common deflecting power as to overlap horizontally the projected light illuminating a central portion and a side area varying in intensity from the center to the side thereof.

- 1,460,835. PROCESS OF MAKING LIGHT DISTRIBUTORS AND MANUFACTURING THE SAME UNIFORMLY IN QUANTITIES. SAMUEL F. ARBUCKLE, Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 11, 1922. Serial No. 551,645. 6 Claims. (Cl. 76-107.)

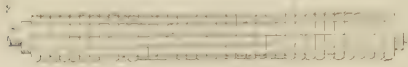


1. A process of making a mould for moulding a head light glass having a light refractive means extending across said glass, said process comprising providing a matrix material, predetermining the contour and relation of the refractive means to be produced in the glass, making a shaping tool with a cutting edge provided with a contour to form an impression on said matrix from which said light refractive means can be produced in said glass, and cutting the matrix with said tool to form a plurality of ribs or grooves in a reverse replica of said tool and arranging the same to have the predetermined relation, one with the other to make a complete mould.

- 1,460,836. GLASS-MOLD BURNISHING PROCESS AND APPARATUS. SAMUEL F. ARBUCKLE, Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 15, 1922. Serial No. 601,002. 6 Claims. (Cl. 76-101.)

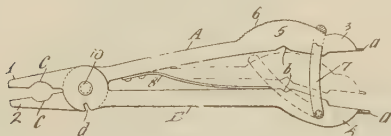
1. The process of making a mold for producing a glass article which consists in providing a tool whose cutting

edge conforms exactly to the positive shape of the surface configuration to be produced in glass, cutting a mold blank to form the reverse replica of said tool in



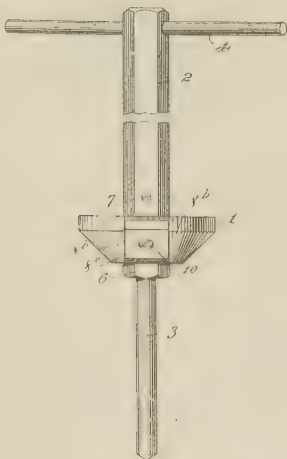
said blank and finishing said blank with a finishing tool whose cutting edge is in exact configuration of a surface to be produced in glass.

1,460,837. WRENCH. ADOLPH BANGERT and FREDERICK MAY, New York, N. Y.; said Frederick May assignor of his entire right to Charles May, Jersey City, N. J. Filed July 18, 1921. Serial No. 485,611. 1 Claim. (Cl. 7-4.)



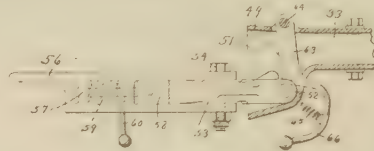
The combination, in a combination wrench, of two crossed and pivoted members, pipe-wrench jaws formed at one end of said members, nut-wrench jaws formed at the opposite end of said members, the pivotal point of said members being near said pipe-wrench jaws, an arcuate surface formed on the outer edge of one of said members near the nut-wrench jaws, and provided with notches on said surface, a ball pivotally secured to the other of said members at a point eccentric to said arcuate surface and extending thereover and having a plurality of notches formed on said ball and arranged to engage the notches on said arcuate surface, and a spring normally tending to separate said pipe and nut wrench jaws.

1,460,838. REFACING TOOL. ROSCOE BEAN, Berea, Ohio. Filed Oct. 7, 1920. Serial No. 415,371. 4 Claims. (Cl. 90-12.5.)



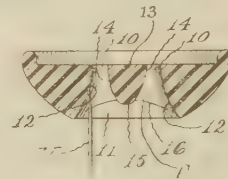
1. In a bearing surface reclaiming tool, a rotatable cutter carrier provided with a removable pilot or guide spindle, and a plurality of interchangeable multiple faced reversible cutters mounted thereon whereby the active cutting faces conjointly form cutting edges for rotation of the cutter carrier in either direction and clearance at the rear of the cutting edge being used.

1,460,839. TRAILER COUPLING. HARRY F. BIGGAM, Milwaukee, Wis., assignor to The Biggam Trailer Co., Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Jan. 5, 1917, Serial No. 140,827. Divided and this application filed Apr. 9, 1921. Serial No. 460,015. 8 Claims. (Cl. 280-33.15.)



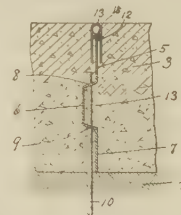
1. In a vehicle, the combination of a draw bar mounted to swing in a horizontal plane and having an open end, a coupling member detachably connected to the front end of the draw bar embodying a body portion, a horizontal pin at one end of the body portion and adapted to enter the open end of the draw bar, a vertical pin mounted in said coupling member, and a link connected to the vertical pin.

1,460,840. BUTTON. JOSEPH P. BOWLES, West New Brighton, N. Y. Filed Aug. 24, 1921. Serial No. 494,938. 4 Claims. (Cl. 24-90.)



1. A button comprising, a front side with thread holes therethrough, a rear side, an interior chamber having an outwardly flaring mouth on the rear side of the button with deflecting side faces extending into said chamber and merging in the thread holes, and a teat surrounded by said chamber having its base at the front side of the button and its stem extending into said chamber and having deflecting side faces terminating in a deflecting point; the thread holes being off-set radially from the base of said teat; the deflecting side faces of said bell mouth and chamber and the deflecting point and deflecting side faces of the teat serving to direct the needle to a thread hole.

1,460,841. CONTRACTION JOINT FOR ROADWAYS. BERNARD BRIDY, Chicago, Ill., assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Aug. 7, 1922. Serial No. 580,299. 6 Claims. (Cl. 94-18.)

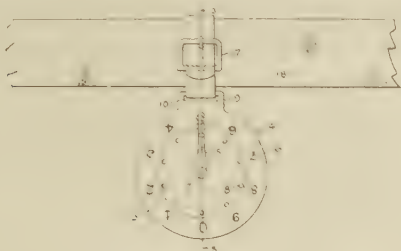


1. A dividing member for separating adjacent slabs of concrete roadways and the like consisting of a permanent strip extending upward from the lower face of the concrete roadway and a removable part extending from the upper surface of the roadway downward to the permanent part.

1,460,842. GOLF-STROKE COUNTER. HOWARD K. BROOKS, New York, N. Y. Filed Apr. 7, 1922. Serial No. 550,401. 1 Claim. (Cl. 235-121.)

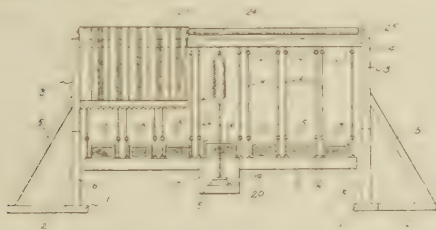
In a golf stroke counter the combination of a dial having a series of numbers arranged on the face and near the

edge thereof, and a hand pivotally mounted on the dial adapted to be moved into registration with any of the numbers on the face of the dial, said hand intermediate



of its length having an upwardly bowed portion to facilitate the turning of said hand over the dial, said bowed portion constituting in effect a spring to maintain the free end of the hand in contact with the face of the dial.

1,460,843. SWING. JEREMIAH E. BROWN, Brooklyn, N. Y. Filed Apr. 28, 1922. Serial No. 557,207. 1 Claim. (Cl. 155—63.)



A portable swing comprising a pair of supports movable upon a foundation, said supports including rigid uprights, a beam fixed between said uprights, an open frame disposed longitudinally between said uprights, a plurality of linked rod connections between said frame and beam, seats interposed between adjacent pairs of said connections, a forwardly extending platform rigid with the center seat, a pedal hingedly engaged on said platform, flexible connections from the free end of said pedal to said beam, and springs interposed in the length of said flexible connections.

1,460,844. WAVE TURNER. FRANKLIN H. BULLIS, Brooklyn, N. Y. Filed May 1, 1922. Serial No. 557,650. 7 Claims. (Cl. 114—126.)

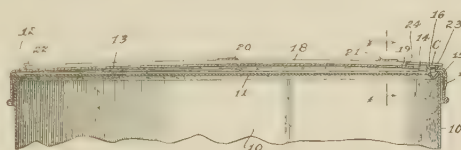


1. A wave turning apparatus of the class described comprising a wave turning element, means for movably mounting said element in connection with a ship or the like, and into operative and inoperative positions, said wave turning element being curved concavely upwardly and inwardly on the inner face thereof to turn waves produced by said ship inwardly in the direction of the ship.

1,460,845. LOOSE COVER AND CUTTER FOR HERMETICALLY-SEALED TINS. HENRY HERMANI, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed July 14, 1922. Serial No. 574,924. 6 Claims. (Cl. 220—48.)

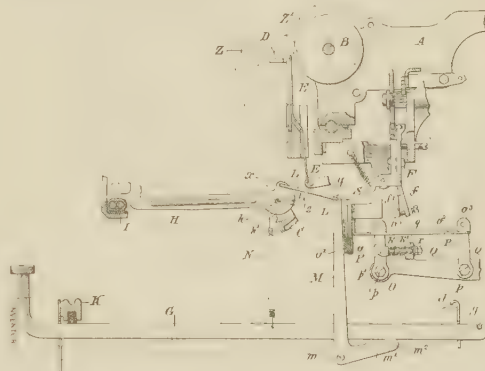
1. In combination, a loose or supplemental cover for hermetically sealed tins or cans, a cutter carried by the cover for removing or cutting away the sealed or tagger-

tin top of the can when the cover is rotated on the same, and a handle carried by the cover normally lying in an inoperative position within the confines of the cover



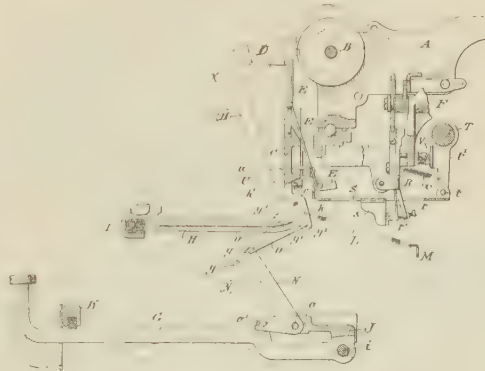
and movable from such position to an operative position with the handle extending beyond the periphery of the cover for being grasped to rotate the same.

1,460,846. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 12, 1921. Serial No. 500,184. 6 Claims. (Cl. 197—30.)



1. In a typewriting machine, the combination with the key levers and type bars of levers in rear of the type bars which have arms operatively related with the key levers, and arms having their upper ends link-connected to the heels of the type bars above their pivots, the points of connection of each link with its type bar and associated lever arm being so related that a full depression of the key lever moves them into a straight line with the type bar pivot, the type bar then being at a considerable distance from the platen and completing its movement by its own momentum.

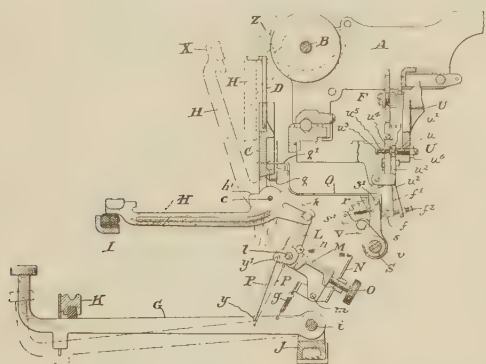
1,460,847. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 20, 1921. Serial No. 501,893. 9 Claims. (Cl. 197—30.)



1. In a typewriting machine the combination with the key levers and type bars of levers interposed between the rear portions of the key levers and the rear portions

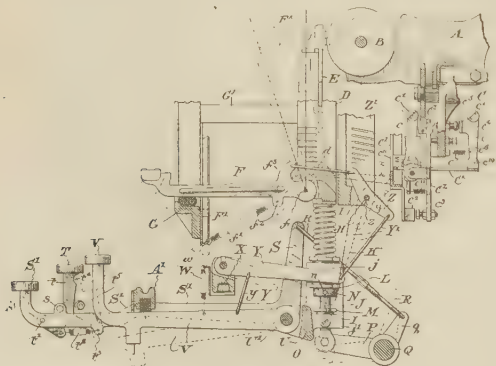
of the type bars which are operatively connected with the key levers and have link connections with the type bars in the rear of their pivots, the points of connections of each link with its type bar and interposed lever being so related that a full depression of the key lever moves them into a straight line with the type bar pivot, the type bar then being at a considerable distance from the platen and completing its movement by its own momentum.

1,460,848. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 21, 1921. Serial No. 502,218. 15 Claims. (Cl. 197—30.)



1. In a typewriting machine, the combination with the key levers and the type bars, of connections interposed between the rear portions of the key levers and the rear portions of the type bars, said connections each comprising a sub-lever operatively connected with a rearwardly extending portion of the type bar, said sublever being mounted to move about an axis in the rear of the type bar pivot and having a toggle link connection with the rear portion of a key lever which is moved into toggle locking connection by the full depression of a key lever, the type bar then being at a distance from the platen and completing its movement by its own momentum.

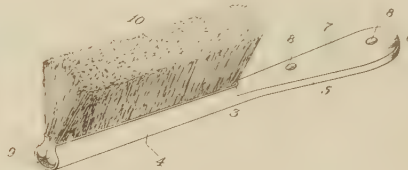
1,460,849. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 2, 1921. Serial No. 512,352. 12 Claims. (Cl. 197—30.)



1. In a typewriting machine, the combination with the key levers and the type bars, of a vertically movable

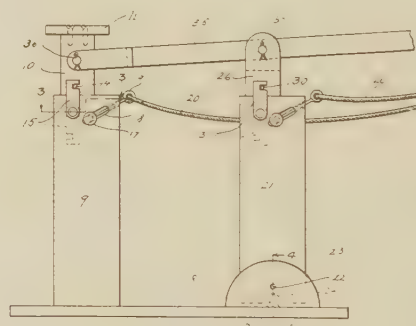
segment to which the type bars are pivoted, posts depending from the segment, brackets through which the posts extend, springs surrounding the posts for normally holding the segment in its upper position, nuts engaging the brackets for adjusting the tension of the springs and means for depressing the segment to its lower position.

1,460,850. BRUSH. ALEXANDER HOKANSON, Burnside, Conn., assignor to The Carling Tool & Machine Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 17, 1921. Serial No. 523,159. 2 Claims. (Cl. 15—206.)



1. A holder for a brush including two concave members united with their edges in substantial coincidence to form a rounded handle, one of the members being extended beyond the handle portion and provided with lateral flanges for engaging a brush element of the character described, said flanges converging above a plane defined by the mating edges of the handle portion and then diverging to form convexly curved opposed surfaces for gripping the brush therebetween substantially in the manner set forth.

1,460,851. LIFTING JACK. JOSEPH KAUPERT, Chicago, Ill. Filed Sept. 24, 1921. Serial No. 502,934. 7 Claims. (Cl. 284—119.)



1. A device of the class described comprising a vertically movable lifting member; means for automatically locking said lifting member in various positions of vertical adjustment; a vertically movable fulcrum member; means for automatically locking said fulcrum member in various positions of vertical adjustment; and a lever pivotally connected with both members, substantially as described.

1,460,852. AUTOMOBILE RADIATOR. NATHAN KRAMER and BENJAMIN KRAMER, Trenton, N. J., assignors to Trenton Auto Radiator Works, Trenton, N. J., a Firm. Filed Sept. 18, 1917. Serial No. 191,961. 3 Claims. (Cl. 257—130.)

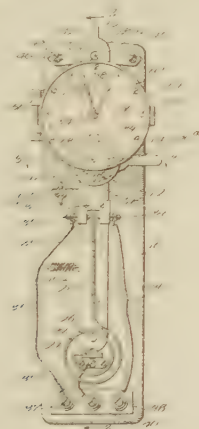
1. A radiator having upper and lower water chambers connected together by vertically disposed water passages formed of duplicate strips having corrugated central portions and zig-zag marginal edge portions, the central corrugations being greater in number than the zig-zag edge

portions, said zig-zag edge portions being in contact with one another to form closures for the vertically disposed



water passages, said water passages being separated by fins forming horizontally disposed substantially hexagonal shaped air passages.

1,460,853. THERMOSTAT. WILLIAM A. LACKE, Chicago, Ill. Filed May 6, 1920. Serial No. 379,255. 4 Claims. (Cl. 236-47.)



1. A thermostat including a thermally movable arm, a member adjustable to different normal operative positions with respect to said arm and having two movements in all said positions, contacts carried by said member and engageable by said arm, clock controlled mechanism for effecting said movements when the member is in any normal position, said mechanism including a cam operable to effect one of said movements, and means to maintain the movements of the member imparted by said cam equal in extent in all normal positions of the member.

1,460,854. STREET INDICATOR. ANNA LEBRETON and
ERNEST TALBOT, Seattle, Wash. Filed Nov. 21, 1921.
Serial No. 516,790. 3 Claims. (Cl. 40—47.)

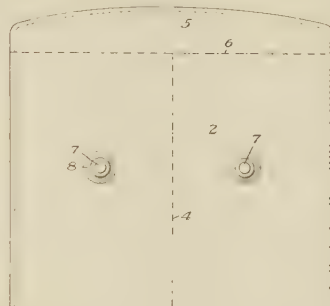
1. In a railway car, the combination with a web having street indicating names thereon, spools for said web, shafts for said spools, a reciprocatory rod, operative connections between said rod and the respective shafts and actuated by the alternate strokes of said rod for turning the spools in opposite rotary directions, and regulating devices to render said connections temporarily inoperative with respect to either of said spools selectively, of means

for effecting the reciprocation of said rod, said means comprising a frame secured to the car body and provided with a guideway, a bar movable axially in said guideway and arranged to normally support said rod, levers operatively connecting said bar to the rod, a lever provided on



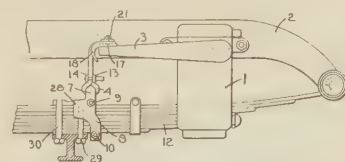
the railway track and arranged to be influenced by the car wheels whereby said last named lever is influenced to cause said bar to elevate the rod through the instrumentality of the first named levers, and a spring to return the bar and rod to their lowermost positions.

1,460,855. ANNEALING BOX. IRVIN F. LEHMAN, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Dec. 4, 1920. Serial No. 428,265. 5 Claims. (Cl. 263—49.)



2. As a new article of manufacture, an annealing box comprising a sheet metal body, and a sheet metal top portion, said body and top portions being united by a continuous weld, the outer surface of which is substantially flush with the general surface of the box whereby the box is free from any external shoulder at the junction of the body and top, said body being formed from a single bent sheet or plate having its vertical edges brought together and united by a weld, the outer surface of which is also substantially flush with the general surface of the box, substantially as described.

1,460,856. SHOCK-ABSORBER CONNECTION. RALPH M. LOVEJOY, Meredith, N. H. Filed Feb. 11, 1920. Serial No. 357,996. 9 Claims. (Cl. 267—10.)



4. A connection for shock absorbers having force-resisting means including a pivotally mounted arm, a curved guide upon the free end of said arm, a flexible member, substantially cylindrical in form, presenting a loop adapted to embrace a part of the mechanism which is movable relatively to said shock absorber with the limbs of the loop of said flexible member passing over said guide and a clamping saddle formed to fit the limbs of said loop, securing the ends of said flexible member to said arm.

1,460,857. CURTAIN GUIDE. FRANK McLESKY and WILLIAM P. W. JOHNSON, Chicago, Ill. Filed Oct. 31, 1921. Serial No. 511,552. 1 Claim. (Cl. 156—29.)

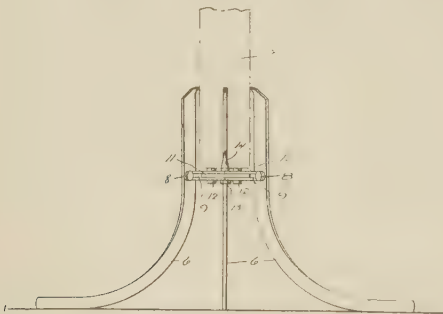


In combination with a shade having a roller provided with a circumferentially reduced portion at one end and the usual flat pin and pawls at the other end, a cup-shaped member glued over said reduced portion, a pin driven through said cup-shaped member and into said reduced end portion, and a cup-shaped member fastened over the opposite end of said roller and having an enlarged opening to receive said pin and pawls, said members being provided with radially extending flanges for guiding said shade.

1,460,858. BEETLING AND TREATMENT OF FABRICS. ROBERT W. R. MACKENZIE, Earlsholl, Fife, ERNEST H. ROBINSON, Perth, MORRIS FORT, Almondbank, and JAMES DAVID LUMSDEN, deceased, late of Almondbank, Scotland, by Susan A. R. F. Lumsden, Huntingtowerfield, Almondbank, Scotland; Robert W. R. Mackenzie, Earlsholl, Fife, Scotland; John G. Miller, Perth, Scotland; Robert O. Lumsden, Almondbank, Scotland; and Alexander P. Melville, Edinburgh, Scotland, executors of said James David Lumsden. Filed Dec. 28, 1920. Serial No. 433,745. 3 Claims. (Cl. 26—10.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. The process of beetling piece fabrics composed of vegetable fibres, which comprises treating the fabrics to remove the oil, fat, wax and resin content, and thereafter subjecting the fabrics to a beetling operation.

1,460,859. STAND OR HOLDER FOR CHRISTMAS TREES, FLOWERPOTS, ETC. MATHEW MAYER, Euclid, Ohio, assignor of one-half to Marie Mayer, Euclid, Ohio; I. R. Winsper administrator of the estates of said Mathew Mayer and Marie Mayer, both deceased. Filed Jan. 28, 1922, Serial No. 532,369. Renewed Jan. 8, 1923. 2 Claims. (Cl. 248—38.)

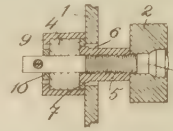


1. A stand comprising a triangular central plate, three legs and connecting members between the legs and the plate, said legs being pivoted to the connecting members by horizontal pivots, and two of said connecting members being pivoted to corresponding corners of the plate by vertical pivots, whereby the legs may be folded beside each other.

1,460,860. DEVICE FOR RESILIENTLY SUPPORTING TARGET DISKS AND THE LIKE. ARNOLD MICHOD, Yverdon, Switzerland, assignor to Cibles Automatiques Michoud Société Anonyme, Neuchâtel, Switzerland. Filed Mar. 31, 1923. Serial No. 628,996. 5 Claims. (Cl. 124—15.)

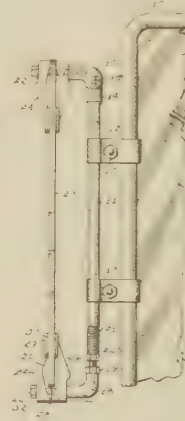
1. A device for resiliently supporting target disks and the like comprising a supporting member, a disk or disk

sections, stay bolts on which said disk or disk sections are secured, the said stay bolts passing freely through said supporting member, and means associated with the



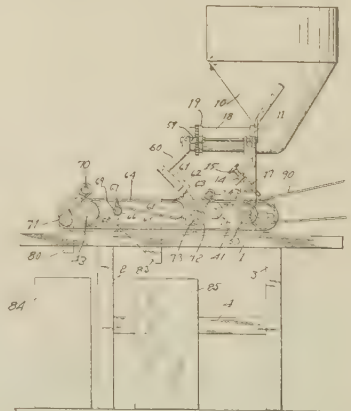
supporting member for yieldingly engaging the stay bolts to normally maintain the same and the disk or disks in position and when the disk or disks are struck to permit the stay bolts to move radially as well as axially.

1,460,861. ADJUSTABLE WING FOR WINDSHIELDS. FREDERICK L. MILLER, Des Moines, Iowa. Filed May 18, 1921. Serial No. 470,662. 2 Claims. (Cl. 296—84.)



1. In a device of the class described, a tube having one end serrated, a shaft slidably and rotatively mounted within said tube having its ends projecting beyond the ends of said tube, an elbow member on each end of said shaft, one end of one of said elbows being serrated to coact with the serrated end of said tube, a spring on the opposite end of said shaft between the corresponding ends of said tube and said elbow, a nut for adjusting said spring, a wing member and means for securing said wing member to said elbows, and means for clamping said tube to a support.

1,460,862. SORTING TABLE. GIORGIO PIERETTI, San Francisco, Calif. Filed Nov. 21, 1921. Serial No. 516,569. 3 Claims. (Cl. 198—33.)



1. A sorting table of the character described, comprising a pair of traveling belts running side by side, means

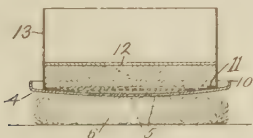
to deliver objects to one of said belts, means to reverse the position of the said objects and to deliver them to the other belt whereby both sides of a series of objects may be inspected at one place by the operator.

1,460,863. BEATER DEVICE FOR HOG-SCRAPING MACHINES. WILLIAM PRATT, Des Moines, Iowa. Filed Sept. 13, 1921. Serial No. 500,423. 6 Claims. (Cl. 17—11.)



1. The combination of a rotary shaft, a supporting bracket thereon provided with a series of radial supporting plates, a beater belt secured to the forward face of each of said supporting plates, an auxiliary plate adjacent to the forward face of said belt, means for securing said supporting plate, said belt and said auxiliary plates together, the last said plate being of a length slightly greater than the length of the first said plate and provided with a forwardly extending curved portion at its outer end.

1,460,864. POWDER BOX. LE ROY ROOT, New York, N. Y., assignor to Scovill Manufacturing Company, a Corporation of Connecticut. Filed Feb. 28, 1922. Serial No. 539,918. 3 Claims. (Cl. 132—82.)

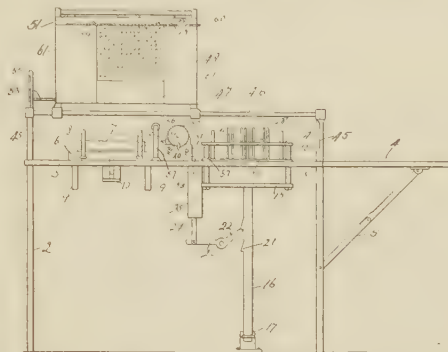


1. A vanity box for containing loose powder having a bottom compartment and a cover, a powder container positioned in the bottom of the box and bodily removable therefrom, said container comprising a flexible plate formed with a downwardly extending flange and having powder distributing orifices, a pocket open against the plate and secured to the plate under its outer edge the other end of the pocket being of flexible material and a thin disk closing the end of the pocket, the material of the pocket being removably intertured under the lower edge of the disk, and a spring arranged outside the container and bearing against the under side of the flange.

1,460,865. COLOR-CHIP-PASTING MACHINE. CLARENCE E. SHARP, Gibbsboro, N. J. Filed Apr. 14, 1922. Serial No. 552,560. 9 Claims. (Cl. 216—14.)

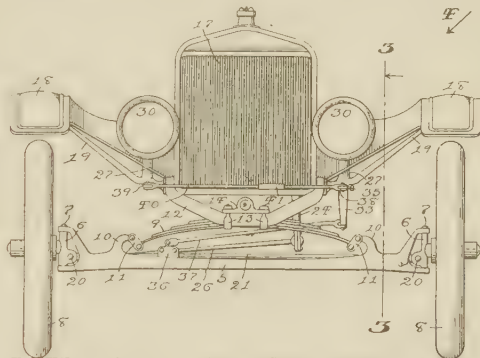
1. In a color chip pasting machine, a rotatable and slidable folder sheet holding means, means for applying an adhesive to said sheet in spots in different localities

of the folder sheet during the sliding movement of said holding means in one direction and means for supporting



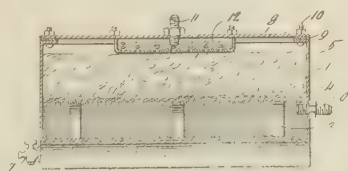
color chips in stacks, and means for elevating said chips to cause them to contact with the folder sheet in the regions of the adhesive thereon.

1,460,866. DIRIGIBLE LIGHT FOR AUTOMOBILES. WILLIAM E. STONE, Oklahoma, Okla. Filed Mar. 7, 1921. Serial No. 450,262. 1 Claim. (Cl. 240—62.)



In a dirigible light mechanism for automobiles, a vehicle body, fenders, upwardly inclined fender-supporting arms attached to the front ends of the side rails of said body and each provided with a vertical tubular standard extended tightly through the adjacent fender above its supporting arm and connecting said arm, fender and side rails solidly together, a vertical shaft journaled through each standard and having curved upper end, a spider on the end of said curved portion, a crank on the lower end of each of said shafts, a tie rod and arms connecting the knuckles of the steering mechanism, a rod connecting the rear ends of said cranks, and a steering rod for actuating said tie rod.

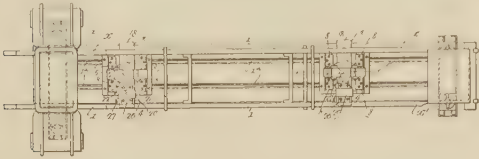
1,460,867. GASOLINE FILTER. WILLIAM C. STROWBRIDGE, Hartford City, Ind., assignor of one-half to L. E. Werry, Hartford, Ind. Filed Jan. 19, 1921. Serial No. 438,401. 1 Claim. (Cl. 210—164.)



In a filter, a hollow body, a series of spaced semicircular staves situated in the hollow body, a foraminous partition supported on said staves so as to divide the hollow body into an upper and a lower chamber, a sponge

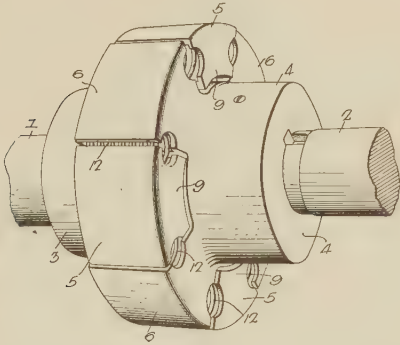
or other absorbent material situated in the upper chamber, a distributor situated in the upper chamber, said upper chamber provided with an inlet and said lower chamber provided with an outlet.

1,460,868. JIG FOR ASSEMBLING LOCOMOTIVE FRAMES. JOHN P. SYKES, Wallingford, and Harmon E. Stover, Philadelphia, Pa. Filed July 26, 1922. Serial No. 577,617. 7 Claims. (Cl. 29—89.)



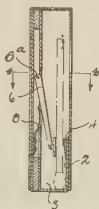
1. The combination in a jig, of a foundation plate; a saddle structure consisting of a base plate and two sections secured thereto, each section having a bracket to support a frame of a locomotive; spacing plates between the sections of the saddle; and bolts connecting the sections.

1,460,869. FLEXIBLE COUPLING. JOSEPH W. THROPP, Trenton, N. J. Filed Dec. 12, 1921. Serial No. 521,854. 3 Claims. (Cl. 64—96.)



1. The combination in a flexible coupling, of two hubs, each having a series of jaws, the jaws of one hub alternating with those of the other hub, the bearing faces of each jaw having longitudinal recesses therein; coiled springs located in the recesses between the jaws; removably positioned means for retaining the springs in the recesses, the longitudinal center of the spring being so related to the center line of the coupling that the springs, when pressure is applied, will be compressed on lines at right angles to the longitudinal line of the springs.

1,460,870. SELF-IGNITING-MATCH CONTAINER. JENNY TIMMEL, Ridgefield, N. J. Filed May 3, 1922. Serial No. 558,141. 2 Claims. (Cl. 206—32.)



1. A device of the class described comprising a hollow back member having its lower edge bent into substantially the form of a U in cross-section, so as to provide a match-holding compartment, said compartment being insertable into a match safe, a substantially wedge-

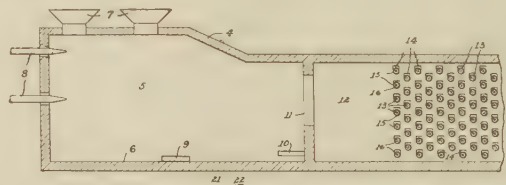
shaped tongue having an exposed, roughened edge, said tongue being secured to said lower edge of the back member, and resilient means in the hollow back for normally urging said matches against said roughened edge.

1,460,871. AUTOMATIC STOP FOR PHONOGRAPHS. GEORGE C. TROTTER, Chicago, Ill., assignor to Plymouth Phonograph Parts Co., Plymouth, Wis., a Corporation of Wisconsin. Filed Oct. 20, 1919. Serial No. 332,032. 14 Claims. (Cl. 192—123.)



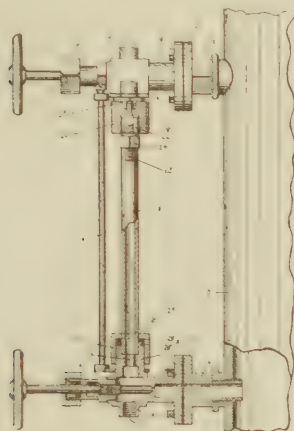
1. In a phonograph, the combination of a rotary record-supporting means, a brake adapted when released to automatically brake upon and arrest the movement of said record-supporting means, an electro-magnet, the armature of which when deenergized engages the brake and holds it in its inoperative position, a source of electrical supply, a swiveled tone-arm, a contact below and insulated therefrom, a contact carried by and within the tone-arm and adapted to contact with the first mentioned contact when the tone-arm is at a certain point of its travel, and electrical connections between the electrical supply, the electro-magnet and the two contacts, whereby when the circuit is completed by the contacts the electro-magnet is energized and its armature magnetized to release the said brake.

1,460,872. SYSTEM FOR COOLING FLUE GASES. HOWARD H. UTLEY, Florence, Colo., assignor to River Smelting & Refining Company, St. Louis, Mo., a Corporation of Maine. Filed Jan. 6, 1921. Serial No. 435,413. 8 Claims. (Cl. 266—15.)



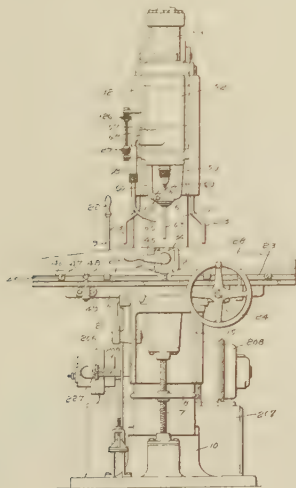
1. In a furnace comprising a heating chamber and a flue leading therefrom, a cooling system for said flue comprising a plurality of separate cooling units, a supply of cooling medium and an overflow for said units, and means whereby said units are permitted to expand and contract and are capable of being moved bodily without interrupting the flow of cooling medium to and from the same, each unit consisting of a cylindrical shell closed at its ends and a pipe connected to said supply and extending through one end of said shell and terminating therein close to the other end thereof.

1,460,873. FLUID GAUGE. WALTER G. WERBECK, deceased, late of Chicago, Ill., by Carl W. Hagemann, administrator, Chicago, Ill., assignor to S. S. P. Manufacturing Co., Chicago, Ill. Filed Mar. 26, 1921. Serial No. 455,909. 10 Claims. (Cl. 73—54.)



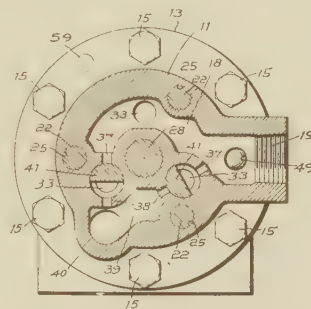
1. In a fluid gauge, the combination with a pair of oppositely disposed valve casings having centrally aligned bores; a removable transparent tube arranged to engage said bores; movable packing boxes associated with said valve casings; and means pivotally mounted on said valve casings for engagement with said packing boxes for holding said boxes in operative position.

1,460,874. WOODCUTTING MACHINE. ALPHONZO WHITE, Winchendon, Mass., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed Sept. 6, 1921. Serial No. 498,811. 34 Claims. (Cl. 144—78.)



1. In a wood working machine for operating a bit and hollow mortising chisel, in combination, means for non-rotatably supporting a hollow mortising chisel, means for rotating a bit within the hollow chisel, and hydraulically operated means for exerting a predetermined feeding pressure upon the bit and chisel so that if either the bit or chisel strikes a hard spot in the work the feeding movement of both will be arrested.

1,460,875. ROTARY GEAR PUMP. ALPHONZO WHITE, Winchendon, Mass., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed Sept. 27, 1921. Serial No. 503,554. 9 Claims. (Cl. 103—126.)

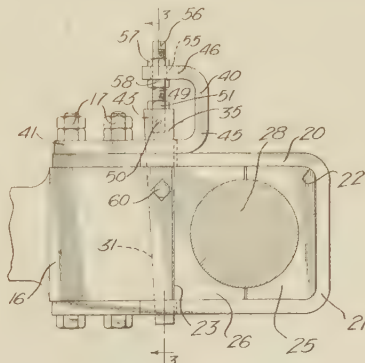


5. In a rotary gear pump, in combination, a casing having a high pressure chamber, a plurality of gears for forcing liquid into said chamber, means for supplying liquid to the low pressure side of said gears, means for rotating said gears, communications between the high pressure chamber and the respective gears, an adjustable relief valve for controlling the maximum pressure in the high pressure chamber, and valves operable selectively to close one or more of said communications and by-pass the liquid back to the liquid supply means without being subjected to the pressure of the high pressure chamber.

1,460,876. PROCESS FOR THE MANUFACTURE OF KETONES. ROBERT R. WILLIAMS, Chicago, Ill., and DONALD H. WHITE, Berlin, N. H., assignors, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Filed Apr. 3, 1919. Serial No. 287,285. 7 Claims. (Cl. 260—134.)

1. A process for the manufacture of ketones, which process consists in subjecting vapors of secondary alcohols to the action of brass heated to temperatures ranging from 500° C. to 800° C.

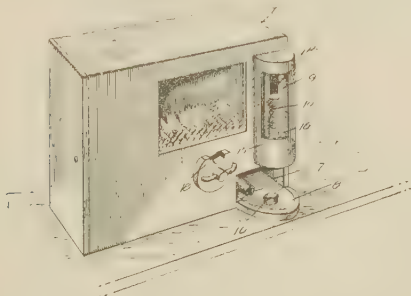
1,460,877. KEY ADJUSTER FOR CONNECTING-ROD BEARINGS. VICTOR YORK, Los Angeles, Calif. Filed Aug. 28, 1922. Serial No. 584,920. 3 Claims. (Cl. 64—55.)



1. In an adjustable bearing of the class described, the combination of: a body forming a head; a strap so bent that the ends thereof fit over said head; bolts securing said strap to said head in a position providing a space between said strap and said head; bearing blocks in said space; a tapered key operating between said head and the innermost of said blocks for forcing said blocks together, said key extending through an opening in said strap; a bracket secured against said strap by said bolts, said bracket extending outwardly along said strap,

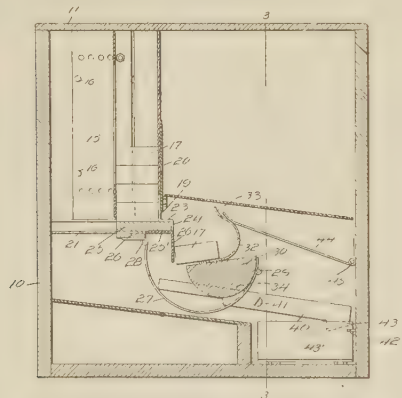
there being an opening in said bracket through which said key may extend, the outer end of said bracket being bent back over the end of said key and having a hole therein; a screw extending from the end of said key and passing through said hole in said bracket; and an adjustment nut upon said screw on each side of said over-extending end of said bracket, for adjusting the position of said screw relative to said bracket.

1,460,878. COIN-CHANGING MECHANISM. DAVID ALLEN, New York, N. Y. Filed Dec. 6, 1921. Serial No. 520,304. 2 Claims. (Cl. 133—5.)



1. The combination of a movable member, a lever, a change container having separate packages of coins stacked therein and provided with a discharge opening, a coin ejector pivoted intermediately of the ends, one end movable through said opening and a link connected with the other end of said lever and positioned in the path of said movable member whereby when said member is actuated in one direction, said lever will be swung to eject a coin.

1,460,879. VENDING MACHINE. DAVID ALLEN, New York, N. Y. Filed Aug. 19, 1922. Serial No. 582,965. 13 Claims. (Cl. 211—8.)

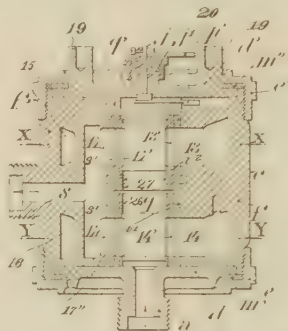


1. A vending machine comprising a delivery mechanism including a rotatable support provided with a curved element for receiving, supporting and delivering an article of merchandise during the delivery operation of said mechanism, and a pivoted stop element extended over said element and deflected to an inoperative position by the article carried by said element and further automatically movable to operative position to engage and arrest the operation of said support when said element is in normal position and empty.

2. A vending machine comprising an article delivery mechanism including a rotatable member provided with a retaining element for receiving, supporting and delivering an article of merchandise during the operation of said mechanism, and a pivoted stop bar, the pivot for said bar being disposed at one end thereof and said bar extending transversely of said element and deflected

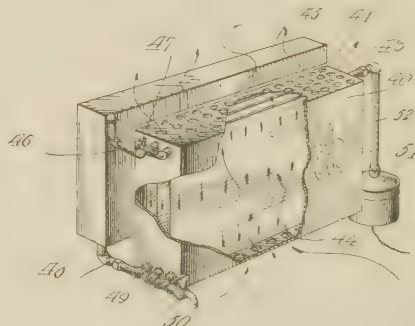
to inoperative position with respect to said member by the article carried by and to be delivered from said member, the free end of said bar automatically movable to engage said member when said element is in normal position and empty of an article of merchandise thereby arresting the operation of said mechanism.

1,460,880. WATER METER. BENJAMIN ADOLPHE ARNAUD, Lyon, France, assignor to Société Lyonnaise De Compteurs D'Eau, Lyon, France. Filed Aug. 31, 1920. Serial No. 407,090. 1 Claim. (Cl. 73—28.)



A volumetric meter for liquids comprising a cylindrical casing, an inlet tube and an outlet tube for the liquid connected to said casing, two members each having the shape of a sector of a cylinder and comprising passages and channels for the flow of the liquid, fitted closely in said casing while leaving a cylindrical space between them co-axial with said casing, a sleeve provided with longitudinal openings and transverse apertures mounted centrally in said casing valves carried by said sleeve, plates adapted to be oscillated by the movement of the liquid, tappets carried by said valves and actuated by said plates to oscillate said valves, and lever mechanism actuated by one of said plates.

1,460,881. RADIATOR. PIERRE J. H. BERNARD, Montreal, Quebec, Canada. Filed Aug. 22, 1921. Serial No. 494,202. 3 Claims. (Cl. 257—141.)

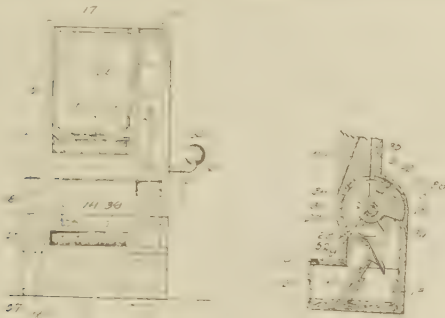


3. The herein described radiator comprising a rectangular casing, hollow partitions within said casing, means for circulating hot water therethrough, the top and bottom ends of the casing having perforations therein providing air passages between the partitions of the casing, and a water supply tank for supplying water to the hollow partitions of the casing.

1,460,882. VENDING MACHINE. WILLIAM BETTS, Johnson City, N. Y. Filed Dec. 9, 1921. Serial No. 521,142. 2 Claims. (Cl. 133—1.)

1. In a vending mechanism, a receptacle provided with a partition forming a pair of coin receiving compartments, a spring controlled element pivotally connected

to said partition and normally positioned to deposit coins into one of said compartments during a predetermined number of operations of the vending mechanism of the machine, and means engaging with said ele-



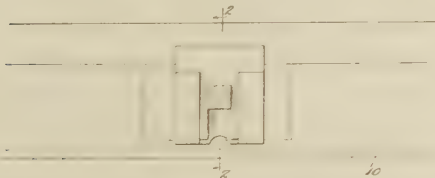
ment for shifting the same from normal position to cause the depositing of a single coin into the other of said compartments after each predetermined number of operations of said delivery mechanism.

1,460,883. ROTARY BRUSH. SAMUEL C. BOUGHER, Philadelphia, Pa. Filed Mar. 13, 1922. Serial No. 543,185. 2 Claims. (Cl. 15-180.)



1. As a new article of manufacture, a base having a plurality of concentrically arranged grooves and sets of through openings, the openings of each set being spaced by said grooves, brush units comprising circularly formed twisted body wires carrying projecting metal brush strands, said units seating respectively in said grooves, and fastening staples passing through said through openings to clamp said units to said base.

1,460,884. NUT LOCK. OCTAVE JOHN BOUTTE, Beaumont, Tex., assignor of one-half to John D. McCall, Beaumont, Tex. Filed Apr. 12, 1922. Serial No. 551,948. 4 Claims. (Cl. 151-62.)

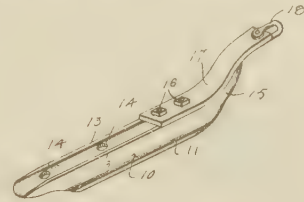


1. A nut lock comprising a base having an aperture for a bolt, parallel flanges on the base and a slide having finger elements engaging with said flanges on both sides thereof, a recess being formed between said elements corresponding to the width of the nut to be locked.

1,460,885. MINE-CAR SKID. THOMAS L. CAMPBELL, Berlin, Pa. Filed Aug. 4, 1920. Serial No. 401,159. 1 Claim. (Cl. 188-36.)

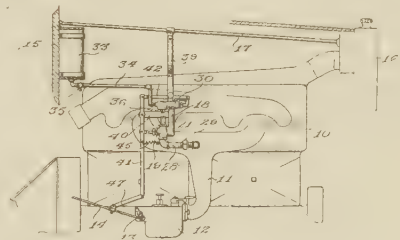
A skid for insertion intermediate a car wheel and track having its upper surface substantially parallel with the tread of the track, a tongue integral with the skid and extending upwardly and above said surface at the forward end of the skid, an attaching strip

member on said skid in contact with the upper surface of said tongue and extending rearwardly to said surface, and the rear end of the strip terminating in ad-



vance of the rear end of the skid and constituting an abutment rising from said surface and in the path of travel of the car wheel.

1,460,886. PRIMING DEVICE FOR INTERNAL-COMBUSTION ENGINES. CHARLES E. CHAPMAN, Fort Edward, N. Y., assignor of one-half to Joseph Goodfellow, Fort Edward, N. Y. Filed July 8, 1922. Serial No. 573,641. 13 Claims. (Cl. 123-180.)



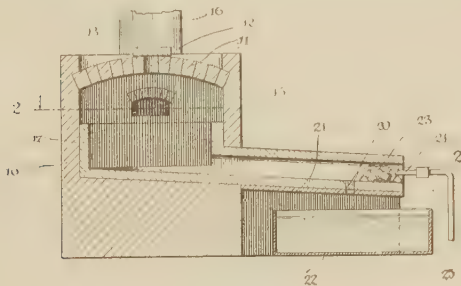
1. A priming device for internal combustion engines including a body bar, a fuel valve carried by said bar and provided with a depending drip nozzle, a throttle valve upon the bar provided with an upstanding mixing tube having its upper end disposed to receive fuel dripping from said nozzle, an arm extending from the bar, a lever pivoted upon said arm, and links extending between the lever and said valves, the lever being operable for simultaneously opening or closing the valves.

1,460,887. FLIER FOR SPINNING, TWISTING, DOUBLING, AND ANALOGOUS MACHINES. PERCY CLOUGH, Keighley, England. Filed Aug. 14, 1922. Serial No. 581,713. 3 Claims. (Cl. 118-57.)



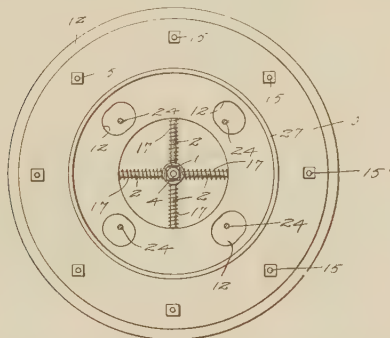
1. A flier for a spinning, twisting, doubling and analogous machine, comprising a horizontal member for attachment to a spindle, two legs depending from said horizontal member, a gapped ring at the foot of each leg for the reception of thread to be laid on to a bobbin, each gapped ring being offset from the vertical plane of each leg, and movable means on each gapped ring to trap the thread therein to impede same from escaping accidentally therefrom.

- 1,460,888. METHOD OF CONTINUOUSLY MELTING VITREOUS ENAMELS. FREDERICK D. COOK, Fairmont, W. Va. Filed Dec. 10, 1920. Serial No. 429,658. 3 Claims. (Cl. 49-77.)



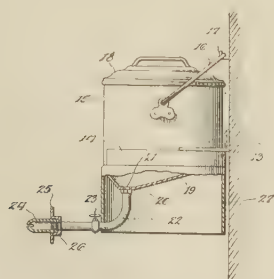
1. The herein described method of forming vitreous enamels which consists in utilizing a melting chamber formed to prevent collection of melted enamel in a pool and permit the enamel to run continuously from the chamber as it melts, in continuously withdrawing and quenching the melted enamel and in controlling the temperature of the enamel during its withdrawal and prior to quenching.

- 1,460,889. SPRING WHEEL. WILLIAM E. CRAWFORD, Hayre, Mont. Filed Jan. 11, 1923. Serial No. 612,061. 5 Claims. (Cl. 152-45.)



1. A spring wheel comprising main side discs or plates having central openings, a hub positioned in said central openings, spokes carried by said hub, blocks slidably mounted on said spokes, means to resiliently retain said blocks in normal position upon said spokes, means carried by the disks to resiliently retain said blocks in central position, and side central closing plates mounted on said hub and secured against said first mentioned central plates.

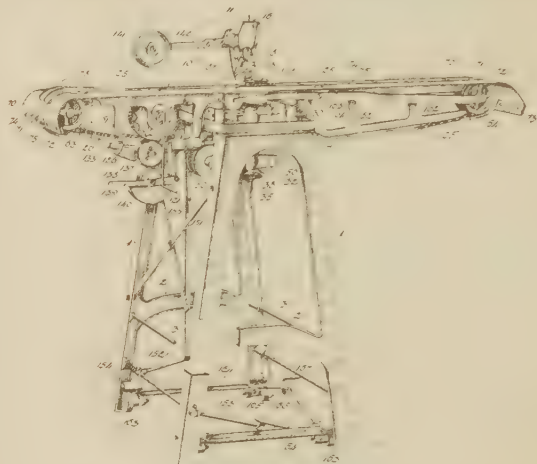
- 1,460,890. CALF FEEDER. JERE L. CROOK, JR., Jackson, Tenn. Filed Aug. 24, 1921. Serial No. 494,910. 1 Claim. (Cl. 119-17.)



An animal feeder comprising a container having a dished bottom and an annular wall depending around the said bottom, a feeding tube leading from the low point

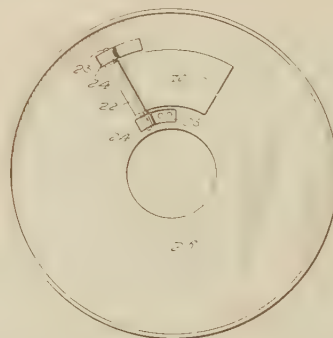
of the said dished bottom through the said depending wall, a nipple carried by the outer end of said feeding tube, a guard disk fitted around the said nipple, and a cut-off in the feeding tube.

- 1,460,891. SEWING MACHINE. ALBERT H. DE VOE, Westfield, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed June 22, 1918. Serial No. 241,371. 56 Claims. (Cl. 112-2.)



8. In a machine of the class described, in combination, stitch-forming mechanism, step-by-step feeding mechanism, endless fabric stretching and holding mechanism, and of shear trimming mechanism having pairs of movable and stationary blades, each pair of cooperating blades being supported and actuated from opposite sides of the work, and means for actuating the movable blades including rock-shafts extending transversely of the plane in which the work advances.

- 1,460,892. AUTOMOBILE BRAKE. NEWTON C. DIVELBISS, San Francisco, Calif. Filed Mar. 1, 1920. Serial No. 362,450. 3 Claims. (Cl. 188-30.)

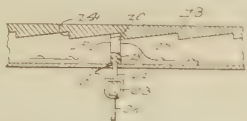


1. A vehicle brake having a hub plate provided with an annular series of serrations consisting of alternate beveled and offset faces arranged on radial lines, a pivotal tongue of segmental form provided with a radial terminal for contact with said beveled faces and engaged with said shoulders, and means for actuating the tongue.

- 1,460,893. AUTOMOBILE BRAKE. NEWTON C. DIVELBISS, San Leandro, Calif. Filed Oct. 18, 1920. Serial No. 417,557. 1 Claim. (Cl. 188-30.)

A vehicle brake having a hub plate provided with an annular series of ratchet teeth, a housing enclosing the hub plate and provided with guides having parallel faces

disposed perpendicular to the plane of the housing, a dog reciprocally mounted between said guide faces for movement toward and from the plane of the ratchet teeth, a



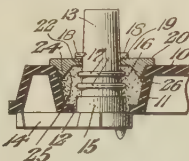
spring for yieldingly impelling the dog toward the plane of said ratchet teeth, and operating means connected with the dog for withdrawing the same in opposition to its actuating spring out of engagement with the ratchet teeth.

1,460,894. CASING CUTTER. ARTHUR DIX, Taft, Calif. Filed July 12, 1921. Serial No. 484,031. 9 Claims. (Cl. 81—195.)



1. A casing cutter comprising a trip spear; a pull rod slidably extending through said spear; a plurality of slips mounted on said spear; teeth formed on the outer face of said slips arranged to engage the inner face of the casing; teeth on the inner face of each slip; upper dogs mounted in said spear arranged to engage the teeth on the inside of said slips; means for elastically holding such dogs in engagement with the teeth; a ring on said spear engaging the under face of said slips; a coiled spring under said ring arranged to elastically hold said ring in engagement with said slips; a plurality of lower dogs in said spear engaging the upper face of said ring; means for elastically holding said lower dogs in engagement with said ring; a plurality of latch bars slidably mounted in said spear; means on each latch bar for simultaneously detracting its associated upper and lower dogs; means on said pull rod for operating said latch bars; a plurality of cutting blades and means operated by said pull rod for operating said blades.

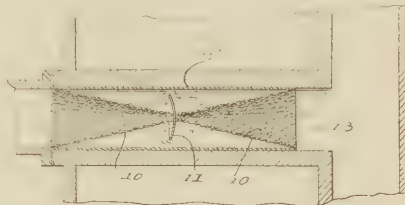
1,460,895. BATTERY TERMINAL. LEON A. DOUGHTY, Glenside, and FRANK S. CARLILE, Philadelphia, Pa. Filed Nov. 12, 1921. Serial No. 514,642. 2 Claims. (Cl. 204—29.)



2. In a battery terminal, a battery strap, a post integral therewith, projecting lugs on said post having in-

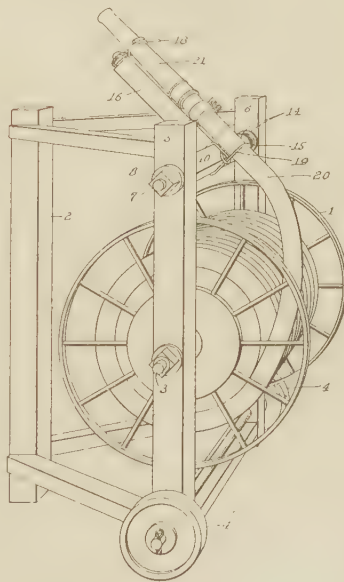
clined lower surfaces respectively, a washer arranged to fit over said post and having openings to respectively receive said lugs, said washer seating upon a coating part in such a position as to cause said lugs to engage the top surface of said washer when said washer is turned to thereby exert a clamping action, and a sealing compound about said post and compressed by said washer.

1,460,896. GAS BREAKER. JAMES JAY FREEMAN, Bradford, Pa. Filed Jan. 27, 1922. Serial No. 532,174. 4 Claims. (Cl. 48—180.)



4. A gas breaker for internal combustion engines, adapted for arrangement in the feed line or path of fuel from the source to the cylinders, which consists of reversely disposed conical gauze screens arranged in axially aligned relation with their apexes in juxtaposition, and a baffling disk arranged in transverse relation to the axes of the screens and adjacent to the apexes thereof and having a concave face directed in opposition to the path of fuel.

1,460,897. HOSE REEL. FRANK L. GREENLAW, Los Angeles, Calif. Filed Aug. 21, 1922. Serial No. 583,417. 4 Claims. (Cl. 242—86.)

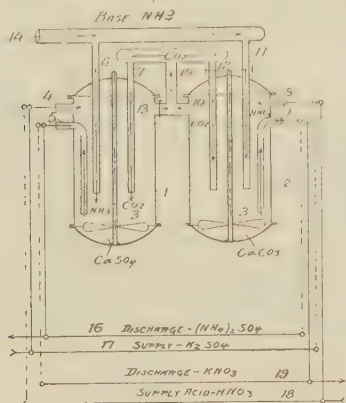


3. A hose reel comprising a frame having a reel revolvably mounted thereon; an arm pivoted upon said frame and adapted to swing in a vertical plane, said arm having means for attaching a nozzle thereto; and means consisting of engaged serrated surfaces for variably adjusting the angular position of said arm.

1,460,898. PROCESS OF MAKING NITRATES. HEINRICH HAMPEL, Halle, Germany. Filed Apr. 7, 1921. Serial No. 459,203. 11 Claims. (Cl. 23—13.)

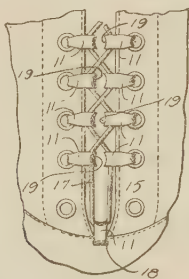
1. A cyclic process which comprises reacting on a soluble salt of a strong acid with a reagent comprising a

soluble salt of a weaker acid having a different base, and forming a difficultly soluble salt of the stronger acid containing the base of the weaker acid salt and a soluble salt of the weaker acid with the base of the stronger



acid salt, and converting the difficultly soluble salt of the stronger acid combined with the base of the weaker acid salt into the original reagent for reaction on a fresh quantity of strong acid salt.

1,460,899. LACE EYELET. JOHN T. HARPER, Leoti, Kans. Filed July 20, 1921. Serial No. 486,151. 1 Claim. (Cl. 24-145.)

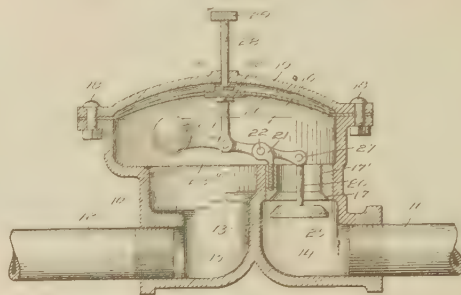


A lacing eyelet consisting of a blank formed into substantially parallel spaced arms, one of the arms adjacent its free end having a slot therethrough, the other arm opposite said slot being reduced in width, a relatively narrow tongue extending from the reduced portion and adapted for passage through said slot, that portion of the tongue lying between said reduced portion and slot when the eyelet is fastened in position being disposed through an article to secure the eyelet in place, the lace being disposable intermediate said arm and said tongue and the bridge connecting the arm, the lace being adapted to directly contact with the inner surface of said bridge, and said bridge being curved whereby its inner surface will be convexed.

1,460,900. AUTOMATIC PRESSURE VALVE. JOSEPH G. HARRIS and GEORGE D. JAQUET, Jacksonville, Fla. Filed Apr. 18, 1922. Serial No. 554,645. 1 Claim. (Cl. 67-115.)

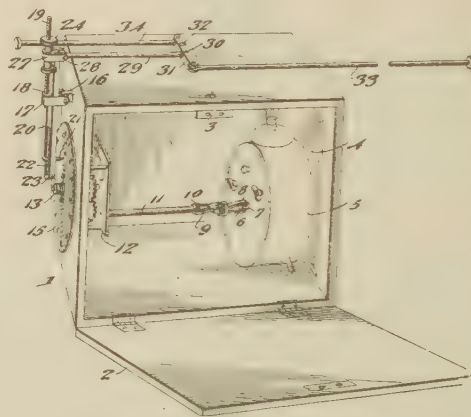
An automatic gas shut-off comprising a casing provided with a partition to form an inlet, an outlet and a diaphragm chamber, the latter being arranged over said inlet and outlet chambers and permanently communicating with the outlet chamber, a diaphragm secured with said casing and extending across the diaphragm chamber, a hollow cylindrical member secured in the upper portion of said inlet chamber and having its lower end constituting a valve seat, a supporting element secured in the top of and having its upper end offset with respect to said member, a lever eccentrically pivoted to the upper end of said element and arranged

over said inlet and outlet chambers, a valve stem extending through said member and having its upper end pivotally connected to one end of said lever and its lower end provided with a valve cooperating with said seat for opening and closing said inlet chamber with



respect to said diaphragm chamber, a counter-weight secured to the other end of said lever, and a vertically disposed push rod pivotally connected to said lever between its pivot and said seat and further connected to said diaphragm and extended from said casing.

1,460,901. WATCHMAN'S RECORDING MECHANISM. HARRY S. HART, Shreveport, La. Filed June 13, 1921. Serial No. 477,209. 1 Claim. (Cl. 234-40.)

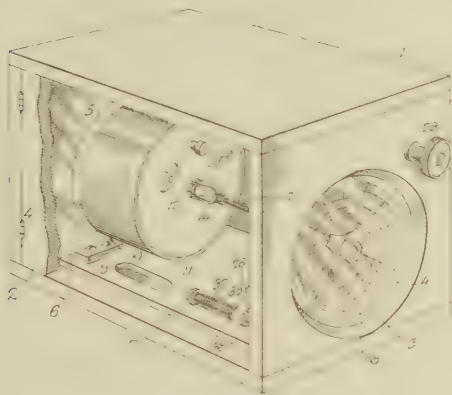


A mechanism of the character described, consisting of a case, a clock disposed in one end of said case and having its dial visible from the outside, a separate recording dial arranged in the other end of said case and connected to move with the shaft of said clock, an adjustable indicating means secured to said case and operated manually to record the day, hour and minute on said recording dial, said means consisting of a rock lever pivoted to the case, operating rods extending in opposite directions from the outer ends of said lever, a third rod connected to the said lever and extending inward to move said rock lever, a rocking frame connected with said rod, a slotted depending arm, an adjustable indicator mounted in said rocking frame and having an indenting device passing through said slotted arm to indicate upon the recording dial when moved inward by action of said rocking frame.

1,460,902. WATCHMAN'S RECORDING MECHANISM. HARRY S. HART, Shreveport, La. Filed Mar. 13, 1922. Serial No. 543,380. 2 Claims. (Cl. 234-40.)

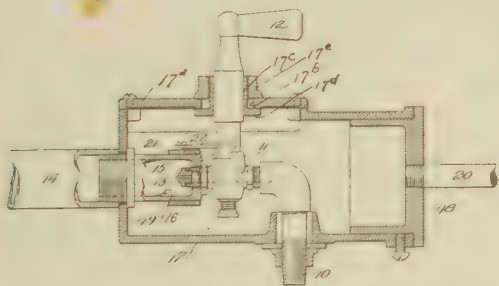
1. A recording mechanism, consisting of a casing, a time piece disposed in one end of said casing, a record dial arranged in the other end of said casing, a connection between said time piece and record dial, a shaft mounted in said casing, a trip device carried by said

shaft, a rock lever having an upper bent arm, an intermediate frame, and a pair of spaced lower arms, said upper bent end adapted to be engaged by said trip device to rock said lever, a marking device carried by the spaced arms of said rock lever to indent the said record sheet,



said marking device being adjustable in the spaced arms of the rock lever, an arm forming a backing to receive the impact of the marking device, and spring means to actuate the rock lever and to retain the marking device and arm in proper relation.

1,460,903. INDUCTOR FOR GAS BURNERS. CARL F. HAUSSLER and NICHOLAS W. PARK, Providence, R. I., assignors to The General Fire Extinguisher Company, Providence, R. I., a Corporation of New York. Filed May 8, 1920. Serial No. 379,747. 8 Claims. (Cl. 158—119.)

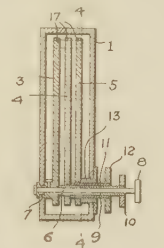


8. An inductor comprising a chamber and means for admitting compressed air thereto; a gas pipe entering the chamber and forming a conduit therein for gas; a tube having a portion within the chamber, closed except for admission openings for said gas from the conduit and for said air within the chamber, and leading out from the chamber to conduct away the mixed gas and air; a cock in the gas pipe within the chamber; a movable plate comprising a part of the chamber wall through which the stem of the gas cock protrudes; a cylindrical bearing for the stem, surrounding the stem and secured to said plate, preventing air leakage from the chamber; and a movable part on the tube adapted to close the air passage from the chamber into the tube and operatively connected with said gas cock within the chamber.

1,460,904. AUTOMOBILE SIGNAL. JOHN E. HILL, West Somerville, Mass., assignor of one-half to John M. Cummings, Stoneham, Mass. Filed Aug. 2, 1921. Serial No. 489,159. 1 Claim. (Cl. 116—53.)

In an automobile signal, the combination with a housing adapted to be secured to an automobile, of a shaft

journalled in said housing near its lower end and projecting beyond the same, a signal arm fast on said shaft, a sleeve surrounding said shaft and also projecting beyond the housing, a second signal arm fast on said sleeve, a second sleeve surrounding the first named sleeve and also projecting beyond the housing, a third signal arm fast on said second sleeve, said shaft and said sleeves each having a hand wheel fast on the projecting



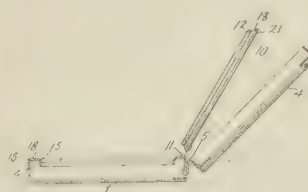
portion thereof, by which the signal arms may be swung from a vertical concealed position downwardly into a horizontal display position, said signal arms having different colors, and a stepped rest for said signal arms when in display position, which is constructed to hold each arm at a slightly different angle from the other signal arms whereby two-color signals may be given.

1,460,905. FISH BAIT OR LURE. LEVIN B. HUNTINGTON, Annapolis, Md. Filed Dec. 21, 1921. Serial No. 523,893. 4 Claims. (Cl. 43—45.)



1. In a device as characterized, the combination of an elongated plate of concavo-convex form, both longitudinally and transversely, and having a broad portion disposed inwardly from a pointed front end portion and a rear portion tapering rearwardly from the broad portion, the longitudinal curvature of the plate gradually increasing in sharpness rearwardly from the broad portion throughout the major length of the rearwardly tapered portion, and rapidly increasing in sharpness at the extreme end of the tapered portion, whereby its motion in use simulates the erratic and irregular movements of a crippled fish, and a hook having its shank portion arranged against the lower face of said plate at the longitudinal center thereof, said shank extended up through said plate at two points and overlapping the upper face of the plate.

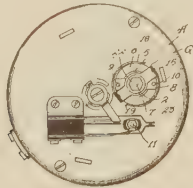
1,460,906. VANITY BOX. BURDON P. HYDE, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 5, 1923. Serial No. 616,889. 5 Claims. (Cl. 132—83.)



5. A loose powder box having a powder compartment, a ring having a flange tightly engaging the walls of the

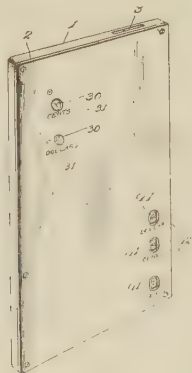
compartment, a rim on the ring, the edge of the rim being bevelled and terminating in a downwardly extending flange, and a lid having a bevelled edge and flange extending downwardly therefrom co-operating with the ring to form a powder tight joint.

1,460,907. GOVERNOR. HARRY H. IDE, La Grange, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 25, 1920. Serial No. 405,980. 13 Claims. (Cl. 188—184.)



1. A device of the character described including a circular drum, an orifice through said circular drum, a rotatable shaft extending through said orifice, a mounting member secured to said shaft, a pair of semicircular weighted members pivotally secured to said mounting member encircling said drum and having their extremities in engagement while they are quiescent, a spring secured to said mounting member having its free extremities normally in engagement with said semi-circular weighted members, said spring being adapted to be rotated relative to said mounting member to adjustably increase or decrease its action upon said weighted members.

1,460,908. COIN-BANK REGISTER. JOSEPH BAKER INGALLS, Chicago, Ill. Filed Dec. 19, 1921. Serial No. 523,434. 3 Claims. (Cl. 235—100.)

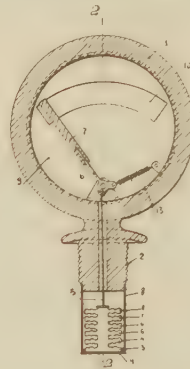


3. A coin bank comprising a thin flat receptacle to be carried in a garment pocket, a closure at one end of the receptacle, a latch within the receptacle extending along one side edge thereof for securing said closure, a coin tube at the opposite end of the receptacle in a corner thereof, a counting mechanism at the latter end of the receptacle controlling the latch, and a dog at the side of and projecting into the coin tube to be actuated by an inserted coin, said dog controlling the counting mechanism.

1,460,909. TEMPERATURE-INDICATING DEVICE. GIUSEPPE JOANNES, Turin, Italy. Filed July 26, 1921. Serial No. 487,737. 2 Claims. (Cl. 73—52.)

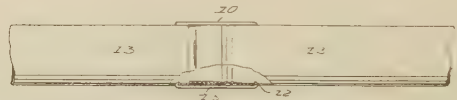
1. A temperature indicating device for automobile radiators and the like, comprising a radiator plug, an

annular dial frame thereon, discs mounted in the frame having curved sight slots therein, a pointer pivoted in



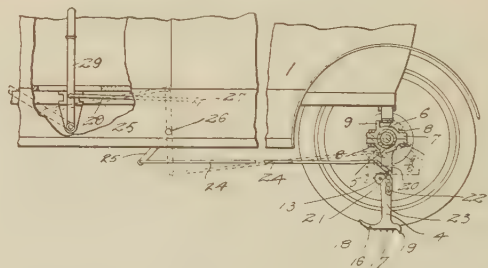
the frame between the discs, a closed gas receptacle on the plug, and means operated by the expansion of gas in the receptacle to oscillate the pointer.

1,460,910. STOVEPIPE COUPLING. XAVIER JUNGE, Venturia, N. Dak. Filed Nov. 1, 1921. Serial No. 512,038. 3 Claims. (Cl. 285—186.)



1. A stove pipe holder or coupling consisting of a terminally spurred blank of wire or rod adapted for arrangement longitudinally of a length of pipe in spanning relation with the joint between sections thereof and having its spurs engaged with punctures in said pipe sections.

1,460,911. AUTOMOBILE BRAKE. JERRY J. KOHOUT and THOMAS R. GUNSON, Nunn, Colo. Filed Mar. 29, 1921. Serial No. 456,769. 2 Claims. (Cl. 188—5.)

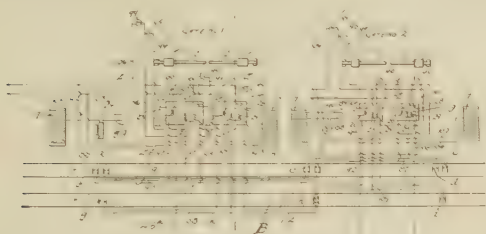


2. An automobile brake comprising a pivotally mounted shank, a leg hinged to said shank, a foot formed on said leg and having a serrated face, a bell crank lever pivoted to said shank and slidably and pivotally connected to the leg, and means for imparting movement to the bell crank lever.

1,460,912. MECHANISM FOR OPERATING RAILROAD-CROSSING GATES. JOSEPH KRATOCHVIL, Chicago, Ill. Filed June 27, 1921. Serial No. 480,596; 18 Claims. (Cl. 246—127.)

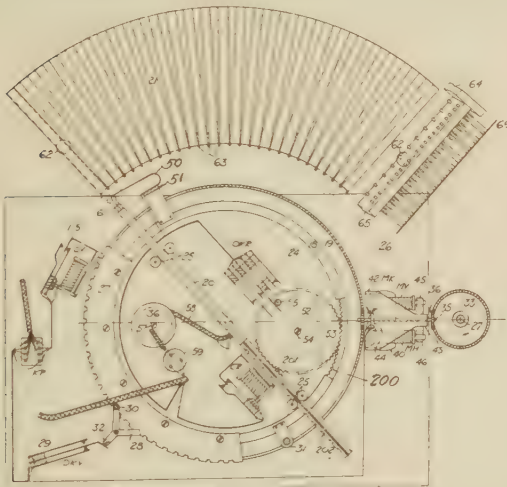
1. A railway gate operating mechanism having a solenoid connected with the gate, an operating circuit in-

cluding the solenoid, a relay switch for controlling said circuit and a track circuit for actuating the relay and including a trip actuated circuit closer for operation



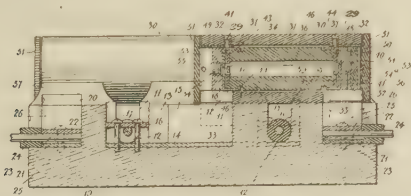
by the rolling stock, said relay having a magnet included in the operating circuit and an armature forming an element of the operating circuit.

1,460,913. SWITCHING APPARATUS FOR TELEPHONE SYSTEMS. DAVID LAURENTIUS LIENZÉN and KNUT LARSSON, Stockholm, Sweden. Filed Oct. 21, 1920. Serial No. 418,503. 7 Claims. (Cl. 179—27.5.)



1. A switching apparatus for telephone exchange systems, comprising stationary contacts arranged in radial groups with respect to a centre, a movable contact member, a single driving device adapted to rotate said movable contact member and to impart a radial movement thereto for engagement with any of the stationary contacts, and means for reversing the operative engagement between the driving device and said movable contact member for returning it to an idle position in relation to said stationary contacts.

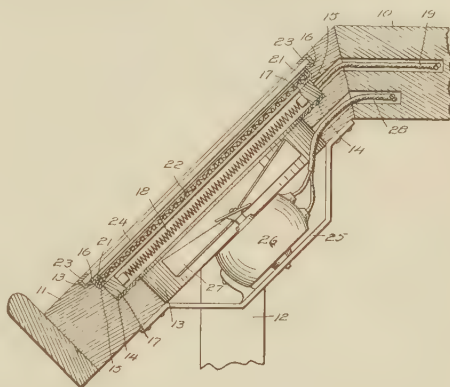
1,460,914. COMBINED ELECTRIC SWITCH AND FUSE. JONAS G. LUNDGREN, Clear Lake, Iowa. Filed Jan. 26, 1921. Serial No. 440,005. 4 Claims. (Cl. 200—114.)



1. In an electrical switch, the combination of a switch block having spaced terminals, a casing carrying contacts adapted to make electrical connections with said terminals, a fuse in said casing connecting said contacts, said block having recesses in which said terminals are located and grooves therein in which portions of

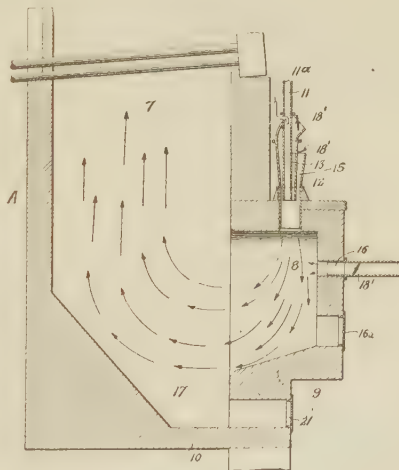
said casings are adapted to fit, and detachable means for closing an end of said casing whereby when the switch is closed all of the conducting parts thereof are concealed from view.

1,460,915. SHOE-SALESMAN'S STOOL. SMITH L. LUTON, Hugo, Okla. Filed Sept. 12, 1922. Serial No. 587,835. 2 Claims. (Cl. 126—204.)



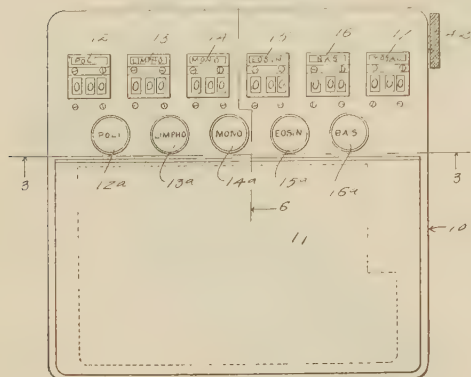
1. A device, of the class described comprising a support having an opening with the margin of the opening formed of three encompassing rests decreasing in diameter toward the interior of the support, a heat imparting medium supported on the innermost and smallest rest, a foraminous member resting upon the intermediate rest, and a heat retarding element resting upon the outer and largest rest, whereby the heat imparting medium, the foraminous member, and the heat retarding element are independently supported and independently detachable.

1,460,916. METHOD OF BURNING PULVERIZED FUEL. JOHN E. MUHLFELD, Scarsdale, and VIRGINIUS Z. CARACRISTI, Bronxville, N. Y., assignors to Locomotive Pulverized Fuel Company, New York, N. Y., a Corporation of Delaware. Original application filed Feb. 5, 1918, Serial No. 215,428. Divided and this application filed Apr. 27, 1921. Serial No. 464,849. 18 Claims. (Cl. 110—28.)



1. The process of burning pulverized coal in a combustion chamber having an outlet in an upper part thereof which consists in admitting the fuel in a downward direction adjacent a wall thereof, in substantially completing combustion within the chamber, and in drawing off the gaseous products of combustion through said outlet at such a rate as to produce stream line combustion of the fuel with a reverting U-shaped fuel and flame stream in which the descending portion is subjected to the heat of the ascending portion.

1,460,917. LABORATORY TABULATOR. CARMELO PENAFLO, Manila, P. I. Filed Sept. 21, 1921, Serial No. 502,138. 1 Claim. (Cl. 235—91.)



A tabulator including a casing, a spindle therein, co-operating registering disks journaled on said spindle, a ratchet wheel movable with one of said disks and located exteriorly of the casing, a depressible operating member, a link extending from said operating member and pivoted on said spindle, a pawl extending upwardly from said link and engaging said ratchet, a spring on said link engaging said pawl and urging it into relation with the ratchet wheel, a link extending from said operating member below and substantially parallel to the first link to which the second link is pivoted rising from the base of the casing below said ratchet wheel, said means having a recess, a return spring disposed in said recess and engaging the second mentioned link, a retaining pawl for said ratchet wheel relatively close to said means, a registering mechanism for totals operated by said spindles, a ratchet wheel on said spindle, and a pawl carried by the first mentioned ratchet wheel and cooperating with the second mentioned ratchet wheel.

1,460,918. PROCESS FOR MAKING WARP KNITTED FABRICS. EDWARD EVERARD PRESTON, Leicester, England. Filed Oct. 20, 1920. Serial No. 418,237. 4 Claims. (Cl. 66—33.)

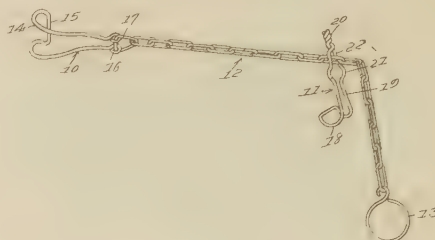


3. A process for the production on double rib knitting machines of a uniformly faced fabric which consists in utilizing one row of thread guides only and of causing each individual thread to be laid alternatively over two needles of the front bar and then over two needles of the back bar at each course in such a manner that each thread is in part lapped by the thread next before and in part by the thread next behind so that each knitted loop contains two threads.

1,460,919. ANIMAL HOPPLE. JOHN W. PRIEST, Boise, Idaho. Filed Oct. 26, 1921. Serial No. 510,510. 1 Claim. (Cl. 119—128.)

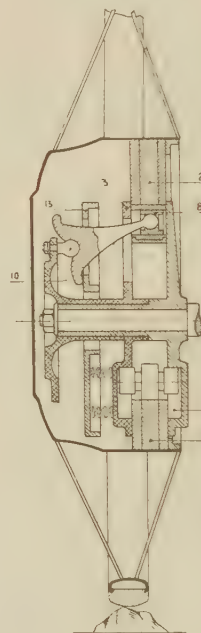
A hopple consisting of a chain having a terminal hook, and a second hook having a running engagement with the chain and adapted to be locked at any desired point throughout the length thereof; the running hook being of looped construction with rearwardly convergent arms

bulged outwardly to form an opening through which the links of the chain may pass freely, the arms beyond the



bulged portions being arranged in parallelism to provide a seat for selected links and the extremities being inter-twisted to form a rigid handle.

1,460,920. SPRING WHEEL. EDOARDO RAMONDO, Turin, Italy. Filed Nov. 13, 1922. Serial No. 600,663. 5 Claims. (Cl. 152—28.)

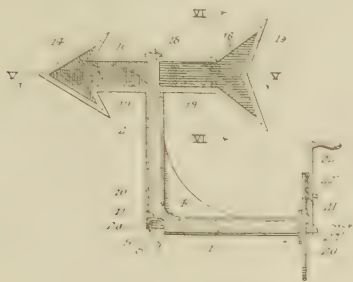


1. A resilient wheel comprising a hub, a fixed abutment on the outer end thereof, an annular radially movable member surrounding the hub, supporting levers each having an enlarged end axially fulcrumed on the abutment and its other end mounted in and movable axially of the annular radially movable member, a universally movable member surrounding the hub and levers, and springs for holding the universally movable member in yielding contact with the enlarged ends of the levers.

1,460,921. AUTOMOBILE DIRECTION INDICATOR. ANTHONY SAJESKI, Nanticoke, Pa. Filed Jan. 31, 1923. Serial No. 616,142. 1 Claim. (Cl. 116—46.)

In an automobile direction indicator, an angle member including a horizontal and a vertical tubular section, integrally formed and angularly cut away at adjacent ends, a depending flange carried by the outer edge of the vertical tubular section, a shaft journaled in each section, the forward end of the horizontal shaft being journaled in the depending flange, gear connections between the adjacent ends of the shafts, an indicator arm secured to the upper end of the vertical shaft above the vertical tubular

section, a bracket for securing the member to the windshield frame of an automobile, a disk secured to the rear end of the horizontal tubular section, the horizontal shaft



extending rearwardly through said disk, a handle secured to the end thereof, and spaced stop devices for the handle carried by said disk.

1,460,922. VALVE-ACTUATING MEANS. FRANK A. SAUNDERS, Dubuque, Iowa. Filed Aug. 12, 1922. Serial No. 581,539. 4 Claims. (Cl. 74—33.)



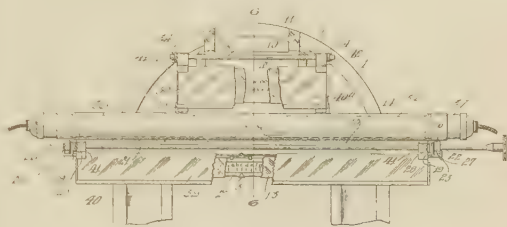
2. Valve actuating means comprising a shank having an opening in one end thereof arranged to receive a portion of a valve, an extension projecting from said end and arranged to engage a portion of the valve handle, that portion of the shank adjacent the opening and remote from the extension being arranged to engage the valve handle.

1,460,923. READING APPLIANCE. ROBERT M. SEARLE, Rochester, N. Y. Filed June 30, 1921. Serial No. 481,633. 5 Claims. (Cl. 88—1.)



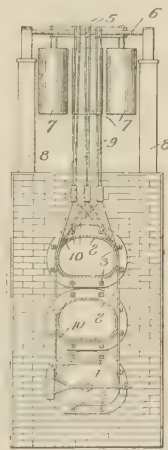
1. In combination with a field to be viewed, an elongated lens, a lamp, an elongated tubular casing for the lamp having one side extending to the lens so that no space is provided between the lens and the casing through which direct rays may pass to the eyes of the viewer of the field through the lens, said casing having an elongated opening permitting the rays to pass from the lamp on the field and in rear of the lens.

1,460,924. READING APPLIANCE. ROBERT M. SEARLE, Rochester, N. Y. Filed Nov. 16, 1921. Serial No. 515,733. 7 Claims. (Cl. 240—2.)



1. The combination with an indicator bar and a copy holder arranged above the bar, of arms extending outwardly at opposite ends of the indicator bar, a frame movable toward and from the indicator bar on said arms, two lenses carried by said frame, one associated with the indicator bar and the other associated with the lenses and means on the frame closing the space between the two lenses.

1,460,925. SUPPORTING MEANS FOR GAS-RETORT SPOUTS. ROBERT M. SEARLE, Rochester, N. Y. Filed Nov. 11, 1922. Serial No. 600,215. 3 Claims. (Cl. 48—126.)

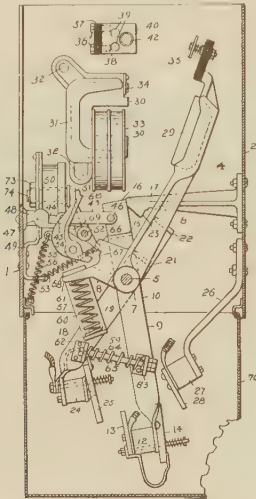


1. The combination with a retort having a spout portion projecting from a furnace, bolts securing said spout portion in position on the furnace, and a closure for said projecting spout portion, of counter-balancing means for said projecting spout portion and closure.

1,460,926. COMPENSATOR FOR INDUCTION MOTORS. HARRY F. STRATTON, Cleveland Heights, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 26, 1922. Serial No. 577,701. 8 Claims. (Cl. 172—179.)

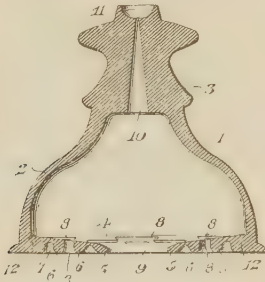
3. In a starting compensator for induction motors, an operating handle, a motor, starting contacts and running contacts therefor, means actuated by the handle for closing the starting contacts and for storing energy tending to close the running contacts, means restraining the energy-storing means, an electromagnet having its winding energized by the motor current, an armature for the

electromagnet biased to open position but prevented from opening when the motor current exceeds a predetermined



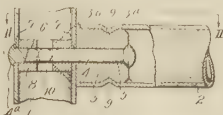
value, and means controlled by the armature when opening to release the restraining means, whereby the running contacts may close.

1,460,927. VACUUM CUP. RALPH S. THOMPSON and CARL F. DOSCHER, New York, N. Y. Filed Mar. 28, 1922. Serial No. 547,416. 5 Claims. (Cl. 128—300.)



1. A vacuum massage cup comprising a cup-shaped body of resilient material with an axial termination ending in a hand receiving head having an air duct leading axially therethrough, said cup having an expanding body cavity communicating with the duct, and a substantially one-piece diaphragm extending across the mouth of the head and having its outer face formed with an extended series of alternate ribs and grooves with air passages following the contour of the grooves, the diaphragm being relatively rigid and the head yieldable to pressure to compress it into the hollow body of the cup.

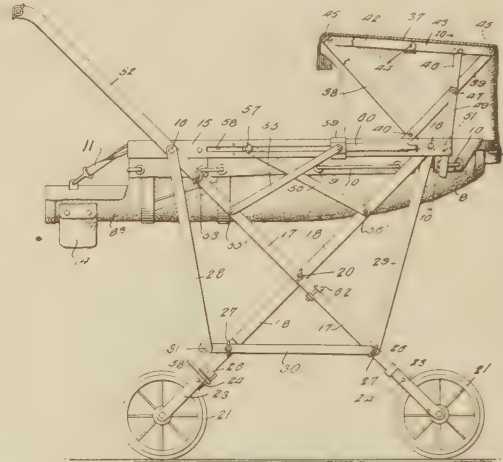
1,460,928. TUBULAR FRAME. CHARLES S. TILDEN, Cleveland, Ohio, assignor to The Elyria Iron & Steel Company, Cleveland, Ohio. Filed Mar. 22, 1922. Serial No. 545,843. 8 Claims. (Cl. 287—54.)



1. In a tubular frame, a reinforced joint for connecting two tube members, comprising a plug having a shank portion adapted to be inserted into the end of one of said tubes, said shank portion being provided with a recess in its outer surface adapted to have the metal of said tube

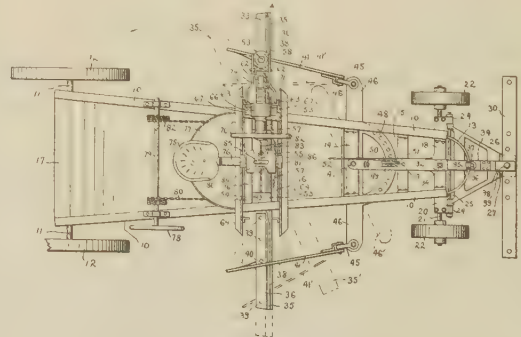
indented into it, said plug having an enlarged portion forming a shoulder surrounding said shank, said enlarged portion being hollowed out to adapt it to fit the external surface of the other of said tube members, a reinforcing member adapted to be inserted into said last named tube, said plug having a longitudinal aperture, said reinforcing member having a transverse aperture, and fastening means in said apertures adapted to draw said plug and said reinforcing member towards each other, said reinforcing member having an aperture adapted to receive a positioning rod.

1,460,929. COMBINED INFANT CRIB AND GOCART. JACOB A. VIERLING, Jersey City, N. J. Filed May 25, 1922. Serial No. 563,739. 9 Claims. (Cl. 280—31.)



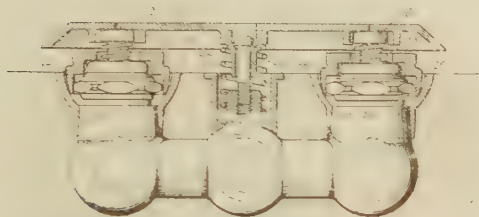
1. A combined infant crib and go-cart comprising a body frame, and supporting legs hinged to the body frame in crossed relation when in go-cart formation and arranged perpendicularly when set up as a crib, said body frame including side rods and brace bars connected to the legs and slidable on the rods.

1,460,930. ROAD MAINTAINING AND RESURFACING MACHINE. ODIN B. WALTERS, Council Bluffs, Iowa. Filed Dec. 9, 1922. Serial No. 605,753. 6 Claims. (Cl. 37—155.)



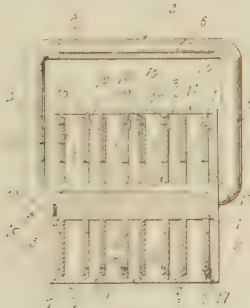
1. In a road maintainer, a frame, a superstructure on the frame, manually operable means for transversely shifting the superstructure on the frame, means for angularly adjusting the superstructure across the frame, clamping means for binding the superstructure upon the frame when adjusted and a scraper suspended from the superstructure and adapted for adjustment transversely and angularly with the same.

1,460,931. COMBINED HOT AND COLD WATER VALVE. LEON B. YEISER and FREDERICK C. LEHMANN, Cleveland, Ohio. Filed July 21, 1919. Serial No. 312,205. 21 Claims. (Cl. 277—20.)



1. A pair of valves and a cover plate removably superposed thereover and depressible at either end and midway of its ends whereby either valve or both valves may be opened at the election of the operator.

1,460,932. COMBINATION LOCK. SAMUEL J. ZINGMAN, New York, N. Y. Filed June 17, 1922. Serial No. 568,954. 4 Claims. (Cl. 70—19.)

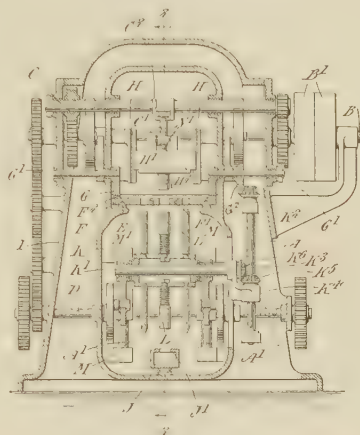


1. A combination lock comprising a telescopic shackle, a body carried by one section of the shackle and having a groove opening out through the face and one end thereof, a shank formed on the other section of the shackle, bits formed on said shank and extending beyond the face of the body, spaced pairs of disks rotatably mounted on the body and each having a plurality of slots to receive the bits, bands secured to the peripheries of the disks, and a second disk for each one of each pair of disks, said second disks mounted on the body between the first named pairs of disks and each having a slot adapted to be registered with any one of the slots of the first named disks.

1,460,933. APPARATUS FOR MOLDING PLASTIC SUBSTANCES. RICHARD HARTLEY SMITH ABBOTT and JAMES BROOKS CLOSE, London, England. Filed Jan. 16, 1922. Serial No. 529,736. 7 Claims. (Cl. 25—60.)

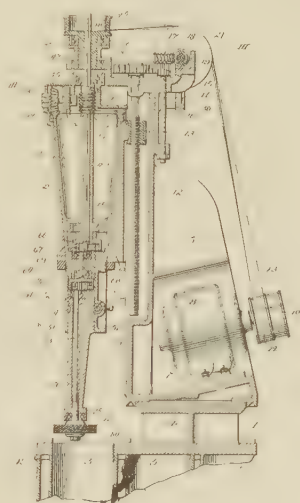
1. In apparatus for molding plastic substances, the combination of a plate having recesses or perforations

therein, a receptacle for the plastic substance and a reciprocating member adapted alternately to dip into the



receptacle and to deliver plastic substance therefrom into the perforations or recesses in the plate in the form of a cake or pellet.

1,460,934. GRINDING MACHINE. ULRICH ANDERSON, Wausau, Wis. Filed May 26, 1921. Serial No. 472,770. 10 Claims. (Cl. 51—245.)



1. In a grinding machine, the combination of a base; a column mounted for rotative adjustment thereon; a saddle mounted for vertical movement upon the column; a grinder supported in the saddle; a grinder supported by the head eccentrically to the axis of the head; means for adjusting said grinder to vary the eccentricity thereof; means for rotating the grinder about its own axis independently of the rotation of the head; and means for securing the column to the base whereby the column, and consequently the parts carried thereby, may be brought into different positions with reference to the base.

1,460,935. COMBINED RULER AND BLOTTER. ALBERTO AZCONA, Magdalena, Mexico. Filed Dec. 5, 1922. Serial No. 605,089. 5 Claims. (Cl. 120—2.)



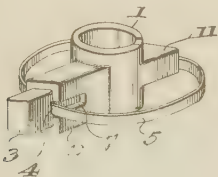
5. As a new article of manufacture, a combined ruler and blotter consisting of an elongated core of circular formation constructed of blotting material and a plurality of telescopically associated elongated cylindrical sections of blotting material fitted over said core and adapted to be successively removed and discarded when filled with ink whereby to expose and present a clean blotting surface.

1,460,936. FENCEPOST ATTACHMENT. PERCY TRIPP BAILEY, Middletown, R. I. Original application filed Oct. 8, 1919, Serial No. 329,316. Divided and this application filed Oct. 4, 1921. Serial No. 505,365. 5 Claims. (Cl. 256—11.)



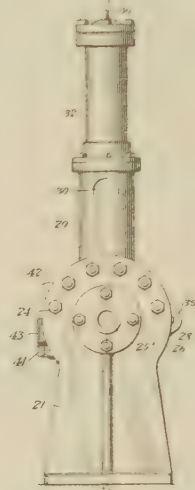
1. A fence post attachment comprising a pair of arms, adapted to grip a horizontally extended pipe, means for connecting the arms to a fence post, said arms being adjustable in respect to said means for varying the distance between said pipe and said post, said arms being provided with slots for locking one arm into the other.

1,460,937. TIMER BRUSH. JAMES F. BEAVAN, Binghamton, N. Y. Filed June 28, 1922. Serial No. 571,377. 4 Claims. (Cl. 171—323.)



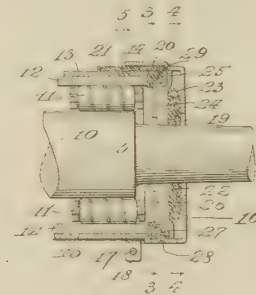
2. A timer-brush including a sleeve, a socket, a brush slidable in the socket, the brush having a slot there-through, and a spring extending loosely through the slot and rigidly secured at the side of the sleeve for exerting tension upon the brush.

1,460,938. METHOD OF MIXING OR MASTICATING HEAVY PLASTIC MATERIAL. DAVID R. BOWEN and CARL F. SCHNUCK, Ansonia, Conn., assignors to Farrel Foundry and Machine Company, Ansonia, Conn., a Corporation of Connecticut. Original application filed Sept. 14, 1917, Serial No. 191,413. Divided and this application filed Mar. 20, 1918. Serial No. 223,537. Renewed Mar. 12, 1923. 19 Claims. (Cl. 18—50.)



1. The method of compounding rubber, which comprises placing the material to be compounded in a suitable chamber, and extruding the mass through a constricted opening a multiplicity of times before removing the same from the chamber.

1,460,939. GREASE RETAINER FOR JOURNAL BEARINGS. GEORGE A. BOYER, Los Angeles, Calif., assignor of one-half to Minta I. Heron and one-half to Norman C. Heron, both of Los Angeles, Calif. Filed Jan. 9, 1922. Serial No. 528,064. 3 Claims. (Cl. 64—22.)

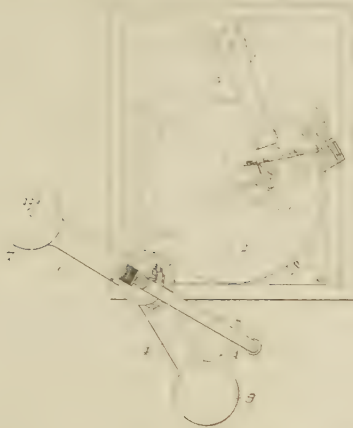


1. In a grease retainer for journal bearings, a container adapted to be positioned upon a bearing, a fibrous ring within said container and adapted to encircle the shaft in the bearing, a coil spring encircling said fibrous ring, a leather disc within the container adjacent to the fibrous ring, a metal disc bearing against said leather disc and a ring of fibrous material between the edge of said metal disc and the bearing to which the container is applied.

1,460,940. AUTOMATIC REPLAY AND RECORD SHIFT FOR PHONOGRAPHS. EDGAR E. BROSIUS, Pittsburgh, Pa. Filed May 7, 1920. Serial No. 379,527. 39 Claims. (Cl. 274—10.)

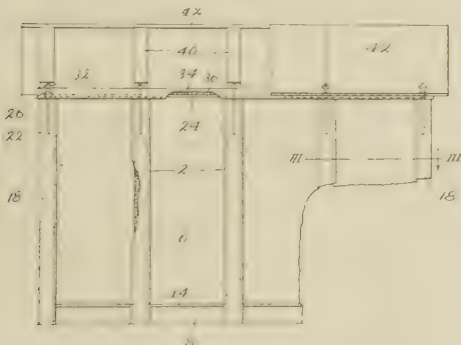
1. In a phonograph, a record table, a reproducer cooperating therewith, a cam, a reproducer lifting arm

having a portion adapted to engage said cam and another portion adapted to engage the reproducer, means



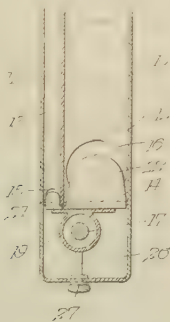
normally urging said cam engaging portion into engagement with the cam, and means normally rendering said means ineffective, substantially as described.

- 1,460,941. KNOCKDOWN CONCRETE BUILDING. WALTER C. BROUGHTON, Kansas City, Mo. Filed June 20, 1921. Serial No. 478,901. 3 Claims. (Cl. 72—1.)



1. In a knockdown building of the character described, a wall structure consisting of columns spaced apart, removable panels closing the spaces between said columns, anchors projecting upwardly from the columns, and a removable bar uniting said anchors and resting on the top of the panels.

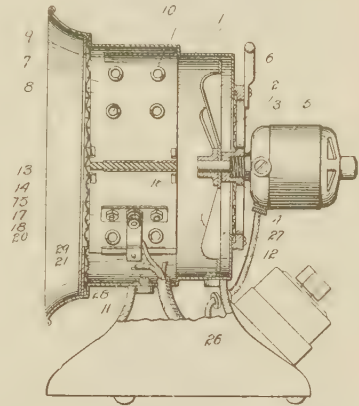
- 1,460,942. CASE. GEORGE BURROUGHS, Monessen, Pa. Filed Dec. 3, 1921. Serial No. 519,677. 2 Claims. (Cl. 206—38.)



1. A receptacle, a partition dividing the receptacle into a match receiving compartment and a cigarette re-

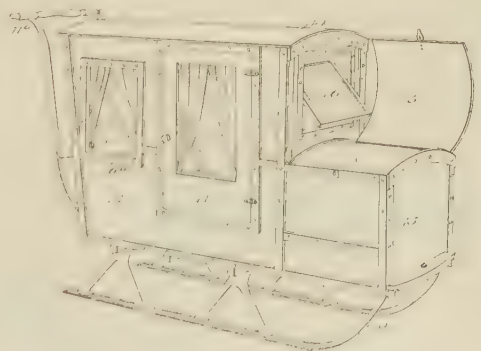
ceiving compartment, one wall of said receptacle having spaced openings, said openings communicating with said compartments, a rod arranged within the receptacle, a spring pressed member slidably mounted on said rod and designed to singly engage a match and a cigarette, and means for moving said member from one direction to eject a match and cigarette simultaneously through said opening.

- 1,460,943. ELECTRIC CUT-OUT. SAMUEL M. CARMEAN and JAMES H. CARMEAN, Kansas City, Mo. Filed Feb. 20, 1922. Serial No. 537,793. 4 Claims. (Cl. 219—42.)



1. An electric heater comprising a casing, a heating element therein, an air impeller for directing air over the heating element, and an electric circuit cut-out associated with an electric heater and movable in response to heat generated by the heater whereby the circuit will be broken when the impeller ceases to operate.

- 1,460,944. BODY FOR CHILDREN'S VEHICLES. DONALD A. CAMERON, Houghton, Mich. Filed May 12, 1922. Serial No. 560,309. 4 Claims. (Cl. 280—23.)

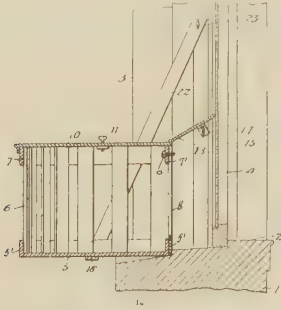


1. As a new article of manufacture, a children's carriage comprising a sled, a closed body simulating an automobile body carried by said sled and directly secured to the knees thereof, and a substantially flat hinged top on said body.

- 1,460,945. WINDOW DOG KENNEL. CLAIRE CHAPLIN, New York, N. Y. Filed Feb. 4, 1922. Serial No. 534,121. 3 Claims. (Cl. 119—17.)

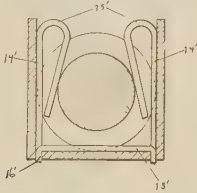
1. A window kennel comprising a box structure having a flanged bottom to render the same water-tight, strips secured to said bottom extending upwardly to form a

foraminous wall for the box, a removable lid therefor, means to secure said lid in place adjacent the side walls of the box, a drain member at one end of said lid extend-



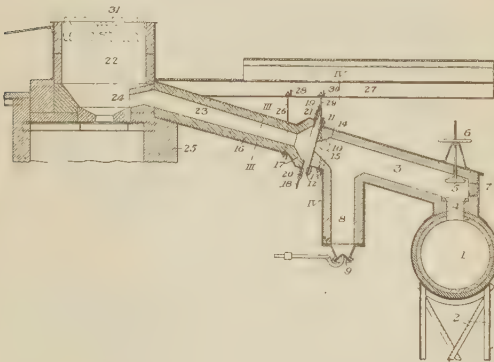
ing at an angle thereto and means at the ends of said drain member to clamp the same to the frame of a window.

1,460,946. ROLL-RETAINING DEVICE. ALFRED WILLIAM CHRIST, Chicago, Ill. Filed Dec. 16, 1920. Serial No. 431,193. 4 Claims. (Cl. 206—52.)



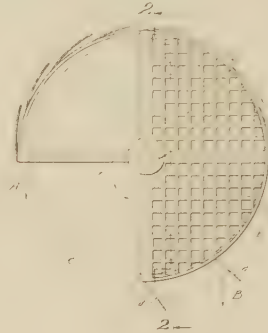
1. A member provided with a body portion, a resilient arm bent back toward and extending alongside a part of said body portion, and means upon said body portion for attaching said member to a wall of a case with said part engaging said wall, said member being adapted to prevent a roll from unrolling in said case by exerting pressure between said wall and roll, substantially as described.

1,460,947. BURNER FOR FURNACES. HENRY F. CLARK, Oakmont, Pa., assignor to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Apr. 9, 1921. Serial No. 459,993. 11 Claims. (Cl. 158—7.)



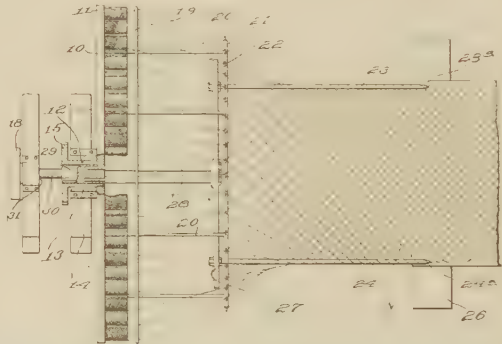
1. A producer gas combustion apparatus for glass furnaces or the like, comprising a relatively large heating chamber, a mixing and combustion chamber communicating therewith, said last chamber gradually increasing in cross section towards said heating chamber, and air and producer gas feeding means communicating with said mixing chamber at a distance from said heating chamber, substantially as described.

1,460,948. AERIAL PROPELLING MACHINE. SALUSTIO VALDÉS CORTÉS, Valparaiso, Chile. Original application filed Oct. 15, 1918, Serial No. 258,170. Divided and this application filed Apr. 9, 1920. Serial No. 372,709. 10 Claims. (Cl. 244—16.)



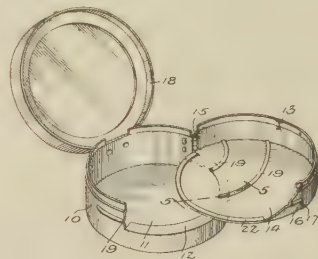
1. In a propeller for aerial vehicles, the combination of a permeable casing having permeable sides and periphery, and movable deflecting vanes on its sides and periphery.

1,460,949. PAPER-REENFORCING MACHINE AND METHOD THEREOF. ANDREW E. CURRIER, Millis, Mass., assignor to Max Brown, Boston, Mass. Filed Aug. 31, 1920. Serial No. 407,163. 6 Claims. (Cl. 154—1.)



1. The herein described method which consists in winding filaments continuously upon spaced apart relatively stationary guides to constitute a criss-cross web, and drawing the web so formed constantly along said guides and off from the ends thereof, with a frictional sliding movement, and pressing the same upon a moving paper surface.

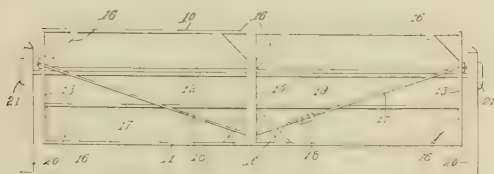
1,460,950. VANITY CASE. WILLIAM H. DENNEY, South Orange, N. J. Filed Dec. 6, 1922. Serial No. 605,238. 5 Claims. (Cl. 132—83.)



1. A container including a body having a bottom and a flange formed with a cutout portion, and a tray com-

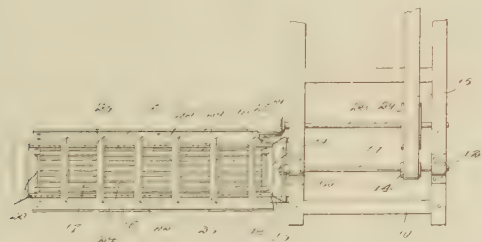
prising a bottom and a flange, said tray hinged to the body to swing laterally, the flange of the tray forming a closure for the cutout portion of the body.

1,460,951. SIGNBOARD. BEN DUFFEE, Wichita, Kans. Filed June 30, 1922. Serial No. 571,881. 2 Claims. (Cl. 40—138.)



1. A sign of the character described comprising a rectangular frame including upper and lower and intermediate longitudinal bars connected at their ends by transverse bars and connected at their centers by another transverse bar, diagonal brace bars located at the junctures of said end and intermediate cross bars with the uppermost and lowermost longitudinal bars, truss rods connected with the lower end of the intermediate cross bar and with the transverse end bars and provided with turn buckles, and a shaft secured to the frame adjacent the uppermost intermediate longitudinal bar for mounting the sign structure upon supporting posts.

1,460,952. CONVEYER. SAMUEL L. EUSTIS, Jr., Onaga, Kans. Filed May 12, 1919. Serial No. 296,455. 1 Claim. (Cl. 198—199.)



A conveyer of the character described comprising a bottom wall arranged at an inclination and supported at its lower end, outwardly inclined side walls rising from said bottom wall and in contacting engagement with the side edges thereof, transversely disposed shafts journaled in the ends of the bottom wall, a sprocket carried by the ends of each shaft, chains trained over the sprockets, substantially L-shaped carriers secured to the chains and being disposed transversely thereof, a plurality of spaced parallel longitudinally disposed rods bent downwardly at their ends to conform to the curvature of the turning point of said chains and being secured to and spaced from the bottom wall as and for the purpose specified.

1,460,953. CONTROLLING DEVICE FOR ELECTRIC SIGNS. CARL A. FAIRBANKS, Wichita, Kans. Filed Mar. 27, 1922. Serial No. 547,315. 5 Claims. (Cl. 35—16.)

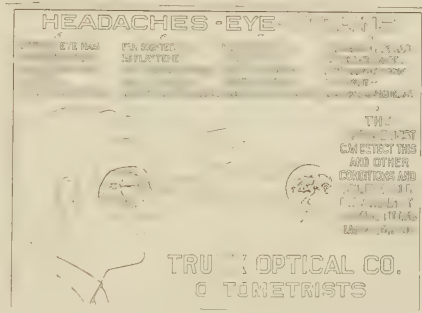
1. In a device of the class described, a cam shaft, a cam rigid thereon, an element representing a portion of the human anatomy subject to displacement, a chart with

which said element is associated, means for mounting said element to permit of movement for attracting at-



tention, the chart having a cut away portion through which the element specified is visible, and means for actuating said element from the cam.

1,460,954. EDUCATIONAL SIGN. CARL A. FAIRBANKS, Wichita, Kans. Filed Oct. 30, 1922. Serial No. 597,948. 3 Claims. (Cl. 40—34.)



1. In a device for the purpose set forth, a casing, a motor operated shaft therein, comprising sections, reducing means whereby one of said sections is turned at a less rate of speed than the other, disks journaled in the casing to the rear of the openings, means actuated by the motor shaft for imparting an intermittent rotary movement to one of the disks, means between the disks whereby the same are simultaneously rotated so that the views thereof are successively brought opposite the openings, means for momentarily halting the disks when the views thereon are in such position, and means for illuminating the disks when in such position.

1,460,955. MACHINE FOR TREATING WICKS. FREDRICK W. FISCHER, Milwaukee, Wis. Filed Mar. 25, 1921. Serial No. 455,592. 35 Claims. (Cl. 91—14.)

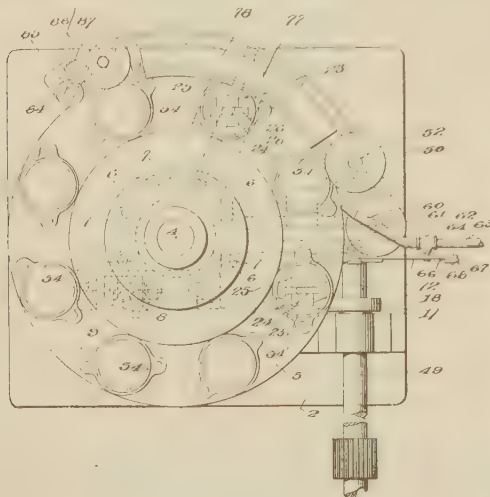
2. In a wick treating machine, the combination of a movable table, wick-supporting arbors carried thereby, means for spraying wicks while on said arbors, and a rotary knife for trimming wicks on said arbors.

11. In a wick treating machine, the combination with a wick-carrying table, of means for spraying wicks on said table with a liquid solution, and pressure means for forcing the solution into the wicks.

33. In a wick treating machine, a table, wick carrying arbors thereon, a roller for engaging wicks on said arbors at predetermined times to rotate the wicks, means for rotating said roller, spraying means for spraying wicks during rotation by said roller.

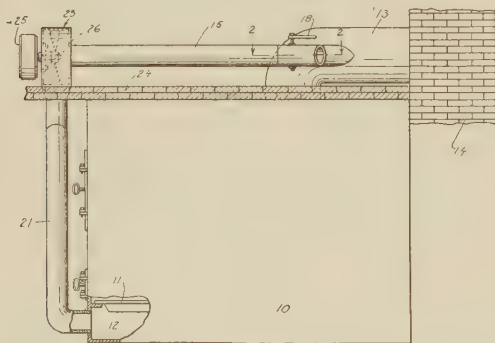
34. In a wick treating machine, a movable carrying table, means for moving the table, means for applying a

stiffening agent to a portion of wicks carried by said table, means for operating said stiffening agent applying means,



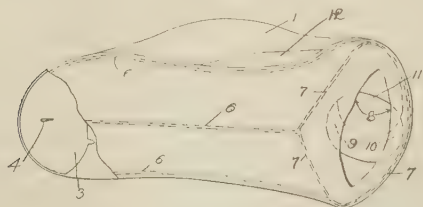
pressure means for forcing said stiffening agent into the wicks, and means for drying said stiffening agent.

1,460,956. SMOKE CONSUMER. FREDERICK P. FISCHER, Chicago, Ill. Filed May 13, 1921. Serial No. 469,151. 3 Claims. (Cl. 110—49.)



1. In combination with a boiler provided with a grate and chamber beneath said grate and with a smoke pipe connecting said boiler with a nearby smoke stack, a conduit extending along the front and the top of said boiler and connecting the front end of said chamber with said smoke pipe, an air inlet duct connected with the said conduit, adjacent said smoke pipe, means interposed in said conduit for forcing carbon and gas from said pipe and air from said duct through the grate, and a single valve to regulate the proportionate amount of carbon and of air to be admitted to said chamber.

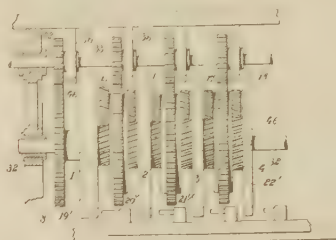
1,460,957. ANATOMICAL SUPPORT. WALDEMAR W. FROESCHLE, St. Louis, Mo., assignor to Charles J. Gregory, St. Louis, Mo. Filed Aug. 15, 1921. Serial No. 492,372. 6 Claims. (Cl. 36—71.)



1. In an anatomical support of the class described, a body, opposed shallow pockets therein, and a removable

insert provided with tapering edges inserted in said pockets and a relatively thick supporting portion extending substantially entirely beyond said pockets.

1,460,958. GEAR. FRANZ GAHLERT, Jr., Welpert, Bohemia. Filed July 8, 1922. Serial No. 573,679. 5 Claims. (Cl. 74—34.)



1. A motion changing gear comprising a common driven shaft, a plurality of differential gears mounted on the said common shaft; each said differential gear comprising a differential wheel, a planet wheel mouthed upon the said differential wheel and sun wheels at either side of the differential wheel; a driving wheel associated with each differential wheel; each said planet wheel being in engagement with sun wheels associated with adjacent differential wheels; and means for throwing any number of said driving wheels into gear with their respective differential wheels, whereby the motion of the said driving wheels may be transmitted to the said common driven shaft through one or more of said differential gears in accordance with a geometrical series, and means for locking the sun wheels successively against rotation in the order of their arrangement on their shaft.

1,460,959. UNDERWEAR. ROBERT E. GARRETT, Nashville, Tenn. Filed Apr. 6, 1922. Serial No. 550,105. 2 Claims. (Cl. 2—144.)

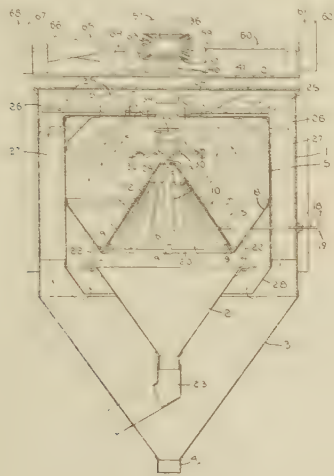


2. A garment of the character described, having its leg portions extended below the knee at the front portion and cut away toward the rear portion to cover and protect the knee and prevent creeping up of the leg portions upon bending of the knees, a binding strip around the extended and cut away portions, to provide a stiffening and reinforcing for said end cut away extended portions, and hose supporting means depending from said binding strip, at the extended portion to retain the extension below the knee and also support the stocking, said hose supporting means consisting of a pair of hose supporting members for each leg section connected to the binding strip at its lower portion.

1,460,960. AIR SEPARATOR. WILLIAM A. GIBSON and CHARLES E. NEEDHAM, Allentown, Pa., assignors to Bradley Pulverizer Company, Boston, Mass., a Corporation of Maine. Filed Nov. 16, 1921. Serial No. 515,511. 14 Claims. (Cl. 83—40.)

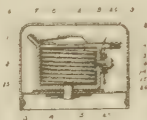
3. An air separator comprising a closed outer casing having a delivery hopper for the finished material, an

inner casing spaced apart therefrom providing an inner separating chamber, distributing means for projecting the material to be separated centrifugally in the upper portion of said separating chamber, means for delivering the tailings from said separating chamber, a hollow member centrally located within said separating chamber hav-



ing apertured walls, and means for causing a current of air to pass continuously downwardly through the passage between said outer and inner casings and upwardly through said apertures in the wall of said hollow member into and through said separating chamber thereby producing a plurality of radially outward and upward currents in said separating chamber.

1,460,961. CURRENT CUT-OUT. CLARENCE F. GILCHRIST, Toledo, Ohio, assignor to the Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 24, 1918. Serial No. 213,526. 7 Claims. (Cl. 200—87.)

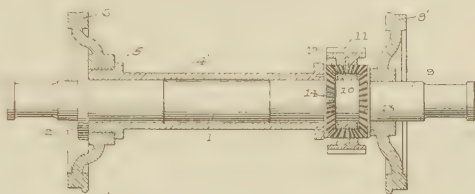


3. In an electro-magnetic cut-out, the combination of a core; a plurality of solenoids surrounding said core, comprising a series coil and a shunt coil; a U-shaped iron strip positioned about said solenoids; a contact plate on one arm of said strip, insulated therefrom, and in series with the series coil; an armature carrying a second contact plate secured to the other arm of said strip; means for normally holding the contact plates in disengagement; said shunt coil when energized being adapted to close an electrical circuit through the contacts, armature, and one arm of the U-shaped strip, and to close a magnetic circuit through the armature and each arm of the U-shaped strip, the reluctances of said magnetic circuits being approximately equal when the contacts are closed and the reluctance of the magnetic circuit thru the arm carrying the contact plate being greater than the reluctance of the magnetic circuit thru the other arm when the contacts are open.

1,460,962. AXLE. SETH M. HALL, Portland, Oreg. Filed May 13, 1922. Serial No. 560,754. 1 Claim. (Cl. 295—37.)

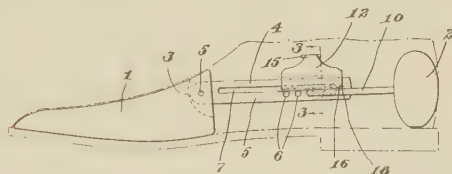
In a vehicle, an axle therefor, a flange formed integral with the axle adjacent one end, a spaced enlargement formed on the axle adjacent each end on one side of the

flange, a sleeve rotatably mounted on the enlargements and abutting the flange, a flange formed on the sleeve adjacent its abutting end, a wheel carried by the sleeve between said flanges and adapted to rotate with the sleeve, a flange formed on the extreme opposite end of the sleeve which terminates on the adjacent enlargement, a wheel placed on the axle abutting the last mentioned



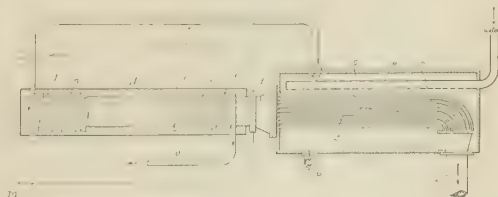
enlargement and spaced from the end of the sleeve, a hub surrounding the enlargement and being arranged in the space between the wheel and the end of the sleeve for taking up the thrust therebetween, a gear carried by the last mentioned flange, a gear carried by the last mentioned wheel, and pinions meshing with the gears and fixed to the hub as and for the purpose specified.

1,460,963. ADJUSTABLE SHOE-TREE. JOHN S. HANSEN, Brockton, Mass. Filed Apr. 11, 1922. Serial No. 551,497. 1 Claim. (Cl. 12—128.1.)



A shoe tree of the kind described, having a forepart, a heel part, a member pivotally secured to one part, a second member rigidly secured to the other part, one of said members having a slot therein with a plurality of recesses to receive the other part, means permitting adjustment of said parts for pivotal connection on any one of said recesses, and a movable handle adapted to traverse said slot and hold the members in adjusted position, in combination with yielding means to hold said handle in the position to which it is moved.

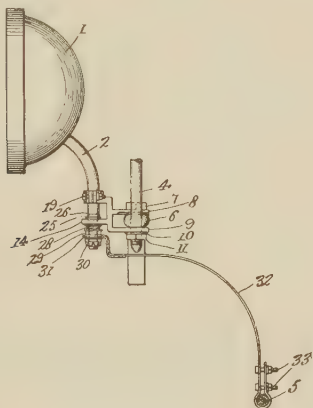
1,460,964. FUEL-SAVING DEVICE. JEAN HYVERT, St-Denis, Seine, France. Filed Mar. 24, 1923. Serial No. 627,415. 1 Claim. (Cl. 123—25.)



A fuel economizer for internal combustion engines for use in combination with the exhaust pipe of an engine, comprising, a chamber, a portion of exhaust pipe entering the chamber, a portion of exhaust pipe leaving the

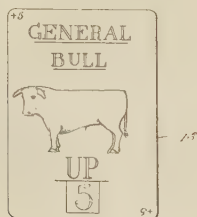
chamber, a bundle of tubes, positioned in the chamber, and communicating the said exhaust pipe portions, and means for introducing a liquid into the chamber and onto the tubes, said bundles of tubes having an aggregate cross sectional flow area at least equal to that of one exhaust pipe portion, said means comprising a conduit positioned in the chamber and above said bundle of tubes, and a series of apertures in the conduit, extending the entire length of the bundle of tubes, whereby to spray fluid onto the tubes.

1,460,965. APPARATUS FOR AUTOMATICALLY CONTROLLING THE HEADLIGHTS OF AUTOMOBILES. JOHN L. ILES and JOHN T. ILES, Magnolia Springs, Ala. Filed Sept. 27, 1922. Serial No. 590,843. 1 Claim. (Cl. 240—62.)



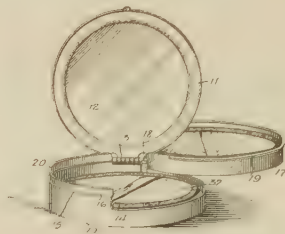
A head lamp having a post, a bracket frame carried by the vehicle having upper and lower arms, said upper arm having a divided bearing engaging about the post, spring means to urge the bearing sections together upon the post, a flat spring embedded in one of the bearings and engaging said post, a cone bearing carried by the post and seating upon the lower arm, an adjustable spring for drawing the bearing means against said seat, a curved flat spring engaging tightly about the lower end of said steering post and having its other end affixed to the steering cross-rod, substantially as described.

1,460,966. GAME DEVICE. FRANKLIN JOHNSON, New York, N. Y. Filed Mar. 11, 1922. Serial No. 543,021. 7 Claims. (Cl. 46—25.)



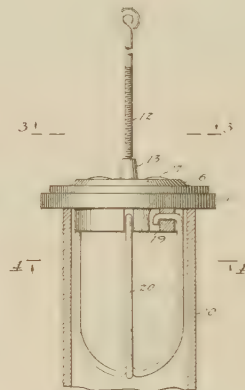
1. A game device comprising a set of trader record cards, a broker record card, a set of designating cards, and a deck of play cards, the designating cards and the play cards having indicia in common, as and for the purpose specified.

1,460,967. VANITY CASE. WILLIAM G. KENDALL, Newark, N. J., assignor to Henri Rigaud, doing business as Parfumerie Rigaud, New York, N. Y. Filed Jan. 22, 1923. Serial No. 614,231. 5 Claims. (Cl. 132—83.)



1. A vanity case comprising a main receptacle, a vertically swinging cover hinged thereto, and a laterally swinging auxiliary receptacle hinged thereto, said cover and laterally swinging auxiliary receptacle being secured to the main receptacle by a single hinge member.

1,460,968. FLUSH-TANK VALVE. STEPHAN KNEPPEL, Scranton, Pa. Filed May 17, 1922. Serial No. 561,682. 3 Claims. (Cl. 4—5.)



1. A flush tank valve including a disk adapted to seat on a flush pipe, a cap plate on said disk, a stem above the cap plate, an element on the stem and having an enlarged lower portion, said cap plate having a hole receiving said element and undercut to accommodate said enlarged lower portion of the element, said element being permitted play relatively to the valve and cap plate so that the latter may rock relatively to the disk to seat itself on the flush pipe, a disk at the under side of the first-mentioned disk and having a depending frame adapted to enter the flush pipe, and fastener screws extending through said cap plate and the first-mentioned disk, the second-mentioned disk having threaded sockets receiving said screws so that the disks and cap plate are drawn in close relation.

1,460,969. TERMINAL FOR DRY BATTERIES. HARRY M. KORETZKY, New York, N. Y. Filed June 30, 1920. Serial No. 392,926. 2 Claims. (Cl. 204—38.)

2. A battery, including a central electrode, a terminal adapted to be secured to said central electrode, said terminal including a screw threaded shank adapted to have its lower portion embedded within said electrode, and being formed adjacent its point of contact to the

upper surface thereof with recessed portions, said electrode being formed with notches adjacent its point of contact with said shank, said notches aligning with the



raised portions, and being adapted to receive an anchoring element whereby to prevent any movement of the shank with respect to the electrode.

1,460,970. HOG-RINGING DEVICE. WILLIAM W. LAMSON, Collins, Nebr. Filed June 26, 1922. Serial No. 571,013. 1 Claim. (Cl. 128—332.)

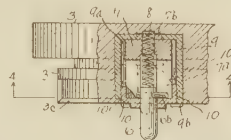


In a hog ringing device the combination of pivotal jaws, one of which is slightly longer than the other, handles depending from the jaws; one of said jaws having a depressed surface of similar construction throughout and having a channel in the direct longitudinal center thereof, and the other of the jaws having a depressed surface similar to the depressed surface of the first jaw but terminating at a point further away from the free end of the jaw, a circular depression formed in the second jaw with its median line on a plane with the end of the first depression of the second jaw and a channel extending from a point beyond the lower portion of the first depression of the second jaw and at an angle of approximately 45 degrees and terminating slightly below the direct center of the circular depression; substantially as and for the purpose specified.

1,460,971. FILM-SPOOL SUPPORT. LOUIS LISSON, Syracuse, N. Y. Filed Sept. 13, 1922. Serial No. 587,996. 7 Claims. (Cl. 242—71.)

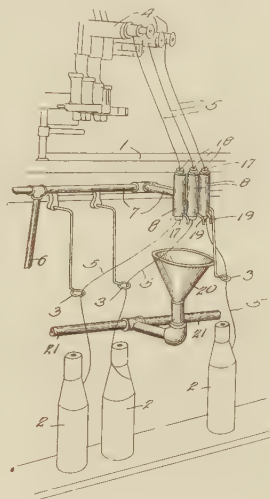
1. The combination with the side rails of a camera having aligning facing sockets and a film spool operable in a pocket lying between said sockets, of a reciprocable

spindle carried by each rail, springs carried by said rails adapted to move said spindles toward each other for supporting said film spool, and cam members car-



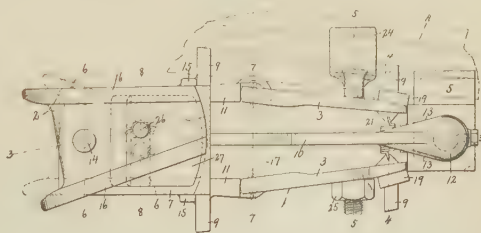
ried by said rails adapted when rotated in one direction to move said spindles away from each other for releasing said film spool.

1,460,972. PIPE ATTACHMENT FOR STEAM LOOMS. OWEN F. MCENANEY, Brooklyn, N. Y. Filed May 17, 1922. Serial No. 561,777. 4 Claims. (Cl. 28—59.)



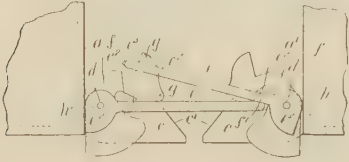
1. In an attachment for looms, a thread moistening device consisting of a cylindrical shell, an inlet opening into said shell for the admission of steam, an inner cylindrical shell, said shell having openings in its wall, thread-guiding elements secured to the ends of said shell, and a drain spout opening out of the outer shell.

1,460,973. CAR REPLACER. FREDERICK D. MCGINLEY, Pleasant Beach, N. Y., assignor of one-half to Lucius L. Lacey, Syracuse, N. Y. Filed Aug. 31, 1922. Serial No. 585,383. 11 Claims. (Cl. 104—269.)



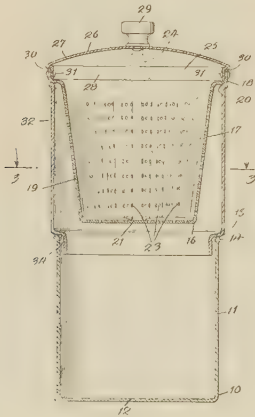
1. A car replacer comprising a base plate having a central lengthwise flange and opposite side flanges in spaced relation thereto, the central flange being of greater height than the side flanges, and a leader plate pivotally mounted upon the base plate, to move laterally, and provided with guide flanges movable into and out of registration with those on the base plate.

1,460,974. COUPLER FOR RAILWAY AND LIKE VEHICLES. FREDERIC A. MACKINNON and JOHN HAMPSON, London, England. Filed June 24, 1921. Serial No. 480,045. 5 Claims. (Cl. 213—80.)



1. In an automatic coupling for railway and like vehicles, the combination with the draw hook and a pivoted shackle of a pivoted member provided with a lower hook adapted to engage a shackle of an adjacent vehicle when said last mentioned shackle is in engagement with said draw hook, and with an upper hook, adapted to engage the shackle of an adjacent vehicle.

1,460,975. COOKING UTENSIL. WILLIAM P. MILLER, Brooklyn, and NICHOLAS J. KARAYANIS, New York, N. Y. Filed Sept. 16, 1922. Serial No. 588,611. 3 Claims. (Cl. 53—2.)

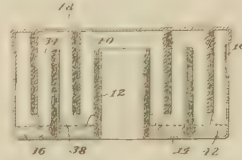


1. A cooking utensil, comprising an outer imperforate pot member, a separate supporting band member having its upper portion larger than the wall of the outer pot member for allowing the pot member to be removably nested in the band member, and having its lower end portion reduced for insertion in the outer pot member as well as providing an annular shoulder whereby the band member may be removably supported on the edge of the wall of the outer pot member, and an inner pot member having at its upper end an annular shoulder larger than the band member and larger than the outer pot member, the portion of the inner pot member below its shoulder being reduced as well as being tapered and the tapered portion with the bottom of the inner pot member also being fluted with spaced perforations in the outer side wall parts of each flute.

1,460,976. APPARATUS FOR CLEANING AIR. GEORGE H. NOBBS, Watertown, Mass. Filed Jan. 18, 1921. Serial No. 438,223. 8 Claims. (Cl. 183—21.)

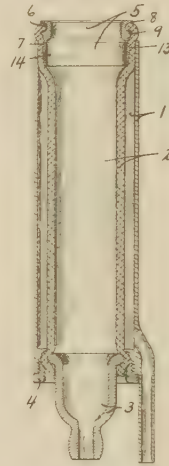
8. In combination, means for establishing a current

of air to be cleaned, a rigid wall having a felt surface holding oil non-evaporative at the normal temperature



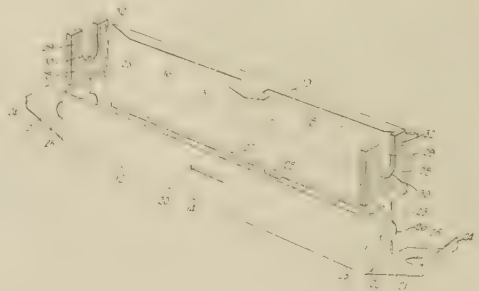
of use, said wall being set for said current to impinge thereon and being adapted to deflect said current.

1,460,977. TEAT CUP. CLYDE ODEN and HENRY R. MOORE, Syracuse, N. Y., assignors to Nu-Way Milker Company, Syracuse, N. Y., a Corporation of New York. Filed Feb. 25, 1920. Serial No. 361,116. 7 Claims. (Cl. 31—102.)



1. In a teat cup a tubular mouth piece having a pair of circumferential channels in its periphery.

1,460,978. MUSIC-ROLL CONTAINER. BERNARD V. O'NEILL, New York, N. Y. Filed Jan. 15, 1921. Serial No. 437,501. 6 Claims. (Cl. 84—161.)



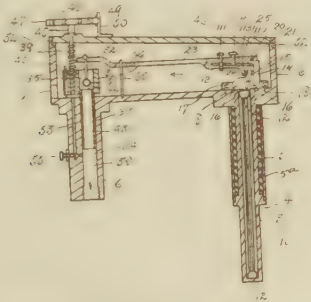
1. A container for player piano music rolls to afford means to permit of the playing and rewinding of the roll without removing the same from the container, comprising a weighted means carried by the container for balancing the same on the roll while said roll is rotating.

1,460,979. MEANS FOR HEATING THE CONTENTS OF VENDING MACHINES. CHARLES L. PAINE, Indianapolis, Ind. Filed Mar. 30, 1921. Serial No. 456,889. 12 Claims. (Cl. 34—21.)



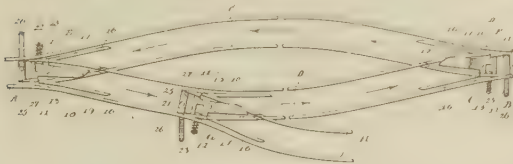
1. A vending machine for peanuts and the like comprising a heat-generating device encased in a protecting element and positioned in contact with the contents of the machine, whereby such contents may be maintained in heated condition without scorching.

1,460,980. GAS GOVERNOR FOR TYPESETTING MACHINES. HOWARD W. PARTLOW, Utica, N. Y. Filed Jan. 15, 1920. Serial No. 351,711. 16 Claims. (Cl. 236—33.)



12. A thermostatic governor comprising a heater-controlling member, a heat-expansible member, a lever for operating the first member, and a pair of levers interposed between the first lever and the expansible member and each directly engaging the same and cooperatively forming the sole support therefor.

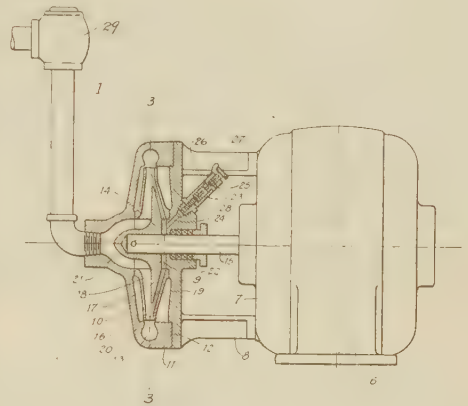
1,460,981. AUTOMATIC RAILROAD SWITCH. THOMAS M. PRIM, Ontario, Calif. Filed Sept. 26, 1922. Serial No. 590,691. 10 Claims. (Cl. 246—320.)



3. A switch of the character described, comprising a switch body pivoted at one end, a pair of rails carried by said body, and an arm rigidly secured to and extending forwardly from the pivoted end of said body to be operated by the wheels of rolling stock for shifting said body carrying the said switch rails.

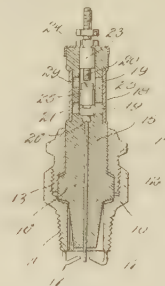
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1,460,982. DOMESTIC WATER-SERVICE SYSTEM. CHESTER E. RECORDS, Anderson, Ind. Filed Mar. 31, 1922. Serial No. 548,449. 5 Claims. (Cl. 103—7.)



1. A pump for pressure systems, including a casing, an impeller therein having independent blades, each of said blades being interiorly formed to provide a water channel and an air channel, these channels delivering into a main channel at the end of the blade, the impeller having a hub spaced from the casing at one end to provide an air pocket with which the air channels communicate, means open only to inward flow for admitting air to said air pocket, the opposite end of the hub having an annular space in communication with a water supply, said annular space being in open communication with the water channels of the blades, the casing having a fluid-pressure outlet channel in substantially direct open communication with the main channels of the blades, and means for operating the impeller.

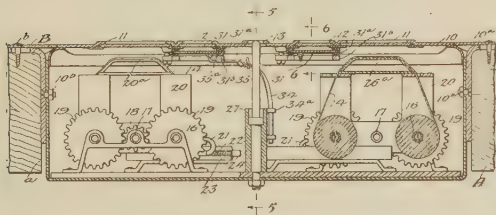
1,460,983. SPARK PLUG. JOHN C. ROWAN, South Atlanta, Ga., assignor of one-half to Willis Dobbs, Atlanta, Ga. Filed Sept. 26, 1921. Serial No. 503,226. 1 Claim. (Cl. 123—169.)



A spark plug comprising a shell, an insulating bushing arranged therein, a plurality of ground electrodes depending and converging from said shell, a main electrode passed through said bushing and including a plurality of spaced sections, said sections being arranged end to end and slightly spaced apart to provide a plurality of gaps in the length of the electrode, the upper section being screw threaded its entire length, an interiorly threaded bushing carried by the upper end of the insulating bushing and the threads of which being adapted to engage the threads of the upper section, the lower section being the longest and adapted to pass through the greater portion of said bushing and having its lower end in near contacting engagement with the free ends of the first mentioned electrodes, the intermediate sec-

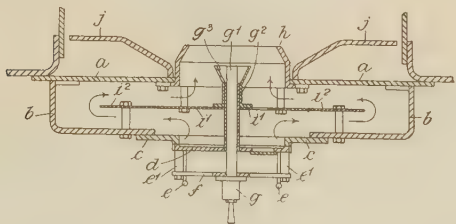
tion being screw threaded its entire length, a second interiorly threaded bushing carried by the insulating bushing adjacent the first mentioned interiorly threaded bushing and adapted to have its screw threads engage the screw threads of the intermediate section, a kerf provided on the upper end of the intermediate section and adapted to facilitate the rotation thereof, a kerfed nut surrounding the kerfed end of the intermediate section and adapted to lock said intermediate section in a predetermined position, said insulating bushing being provided with passages aligned with the gaps of the main electrode and a transparent member surrounding said insulating bushing and adapted to cover said passages as and for the purpose specified.

1,460,984. INDICATOR FOR CAR SEATS. NICHOLAS J. RYAN, Tuckahoe, N. Y. Filed Aug. 25, 1922. Serial No. 584,299. 4 Claims. (Cl. 40—86.)



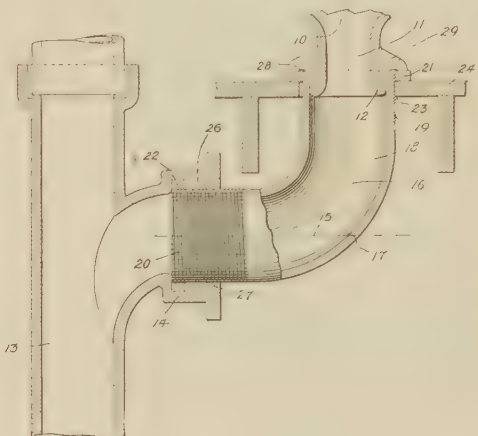
1. An indicator for car seats including a casing, a display web, said casing having a window for the viewing of said web, and having a second window, winding means for the web including a pinion, a pawl engageable with said pinion, a legend bearing slide movable to or from said second window, latch means to hold said slide at the window, a spring tending to move the slide away from the second window, a turnable key-operated element, and means on said element to release said pawl and said latch means.

1,460,985. FURNACE. LAUNCELOT EUSTACE SMITH, South Shields, Cornelis Zulver, London, and HERBERT ALEXANDER THOMPSON, North Shields, England. Filed Aug. 14, 1922. Serial No. 581,818. 3 Claims. (Cl. 110—22.)



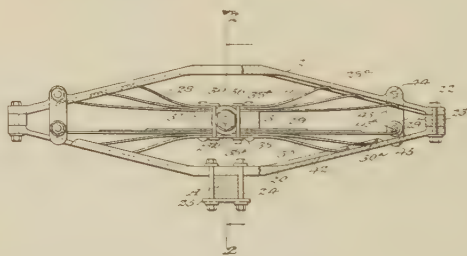
1. A natural draft furnace front adapted for conversion to the use of either solid or liquid fuel comprising the combination of a front plate closing the furnace front except for an opening to the ash pit and having a firing opening of the ordinary four sided form cut into said plate, an inwardly converging baffling cone fitting directly into said firing opening in said plate, an external air heating casing fitted against the plate and about said firing opening in the plate, said air heating casing enclosing a chamber which covers the furnace front and said firing opening and baffling cone and which is open to the cone all around its circumference whereby there is a free air inlet space to the cone all around, and an oil burner extending through the said air chamber and having an inwardly flaring cone located within said baffling cone.

1,460,986. PLUMBING CONNECTION. MICHAEL J. SMITH, Morristown, N. J. Filed Mar. 31, 1921. Serial No. 457,311. 1 Claim. (Cl. 285—204.)



As an article of manufacture for use in combination with a closet bowl having a neck and a soil pipe spaced therefrom at a variable but determinate distance both vertically and laterally, an elbow connection between the bowl and the soil pipe, said elbow connection comprising a rigid metal member having its respective ends externally screw threaded from the ends for a considerable distance to adapt the effective lengths of the ends in practice according to the vertical and lateral distances aforesaid, a flange threaded upon the upper end of the elbow and serving as a vertical support therefor, and a combined flange and abutment threaded upon the other threaded end of the elbow, said flange and abutment members being freely movable along their respective threaded parts according to the specific distances desired in any individual job and the surplus threaded ends being removable from the elbow.

1,460,987. VEHICLE SPRING. WILL ELY STANFORD, Calexico, Calif. Filed May 4, 1922. Serial No. 558,456. 9 Claims. (Cl. 267—47.)

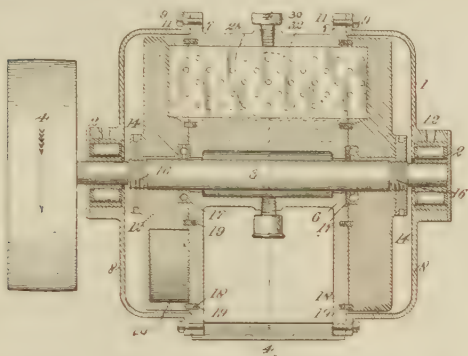


4. A spring assemblage including top and bottom bars, upper and lower series of spring leaves divergent toward their ends bearing respectively against said top and bottom bars, an intermediate series of spring leaves, means to amount the bottom bar on an axle, and means to support vehicle frame parts subject to the tension of said leaves; together with means connecting said bottom bar with a leaf of the intermediate series.

1,460,988. PUMP. DEAN HARPER THOMPSON, Lodi, Calif. Filed Apr. 4, 1921. Serial No. 458,270. 6 Claims. (Cl. 103—123.)

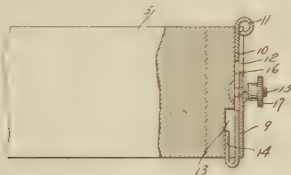
1. In a pump, a housing having a shaft rotatably mounted therein, two wheels having inwardly facing chambers of semi-circular contour and sloping radial

sides keyed to said shaft so that their inner surfaces are parallel, and a partition supported in said housing extending between said two wheels, said partition being



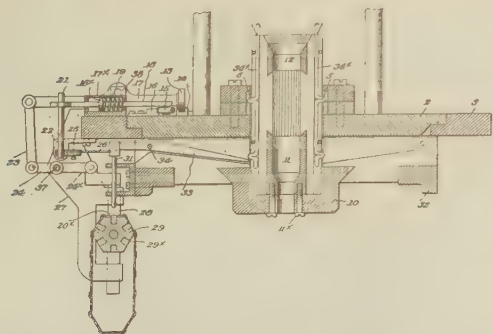
longitudinally divided into sheets movable independently of each other, and an inlet and a discharge arranged on opposite sides of said partition.

1,460,989. LEVEL ATTACHMENT. LEVERETT W. TINFANY, Winsted, Conn. Filed Nov. 8, 1921. Serial No. 513,674. 3 Claims. (Cl. 33—207.)



1. A level attachment including in combination with the body of a level formed with a cutout portion adjacent its lower outer edge, of a U-shaped plate secured to said body, the base of said plate being spaced from the end portion of said body, a slide movably interposed between said plate and body, there being enlarged portions forming a part of the upper edge of said slide and being adapted to extend into a slot formed in the upper edge of said plate, an upturned portion forming a part of the lower end of said slide, said upturned portion being adapted to extend into the cutout portion of said body, a screw threaded bolt secured to said plate, and extending through a slot formed in said slide, and a nut carried by said bolt at a point beyond said plate.

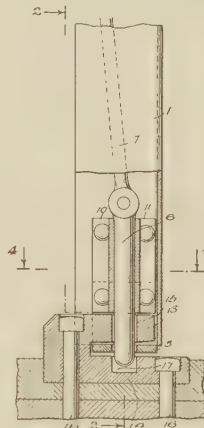
1,460,990. JACQUARD MECHANISM FOR CIRCULAR-KNITTING MACHINES. LOUIS TOTH, COLOMAN KONYES, and FRANK STRIEFFLER, Philadelphia, Pa. Filed May 5, 1922. Serial No. 558,588. 4 Claims. (Cl. 66—21.)



1. The combination in a circular knitting machine, of a base, a rotary table, a circular series of vertically-

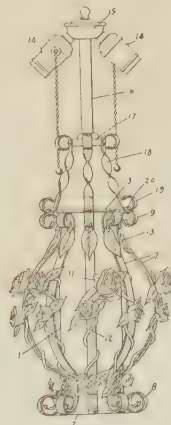
movable needles carried by the table, a group of needle-raising levers carried by the base, pins connected to and pendent from the outer arms of the levers, a hexagonal roller with sockets in its sides disposed under the pins, a pattern with sets of apertures on the roller, gravitational means carrying said roller, means to turn the roller through a part of a revolution on downward movement of the gravitational means, means controlled by the rotary table to raise and release said gravitational means, and means controlled by the rotary table to depress the pins, the latter means including resilient connections, one to each pin.

1,460,991. SLIDING-DOOR FASTENER. HOWARD M. VAN ALSTYNE, Rensselaer, N. Y. Filed Aug. 2, 1922. Serial No. 579,296. 4 Claims. (Cl. 292—36.)



3. A door construction which includes a slidable door having an end portion, a reinforcing member fastened to said end portion and extending along its length, door stopping means fastened to the body of the car adjacent the ends of the door, and a strap on the end of the reinforcing member to engage with the stop member, the engagement of the strap and stop members locking the door in all but one possible direction of movement.

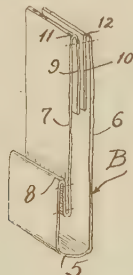
1,460,992. ORNAMENTAL LAMP STAND. CHRISTIAN VEHLING, Indianapolis, Ind. Filed Mar. 28, 1922. Serial No. 547,498. 3 Claims. (Cl. 240—81.)



1. In an ornamental lamp stand, a cylindrical base of uniform diameter throughout its length and having a solid integral lower end and open at its upper end, a cap fitting over the open end of said base, clips within said base, bolts for removably securing said clips to said cap

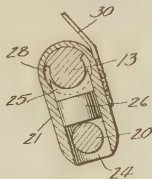
and base, a plurality of strips exteriorly of said base and extending from end to end thereof, a portion of the lower ends of said strips extending parallel with said base and the remainder of the strips above said parallel portions being outwardly bowed, means for ornamenting said strips, and bulb supporting sockets above said base.

- 1,460,993. GARMENT POCKET. GEORGE W. WALKER, Oakland, Calif. Filed June 26, 1922. Serial No. 570,778. 1 Claim. (Cl. 2—15.)



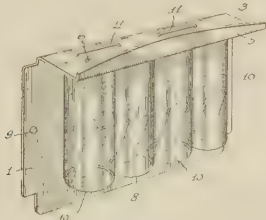
A pocket for garments including front and back portions stitched together along the side edges of the portions, the ends of the portions being turned inwardly at the opening into the pocket and providing flaps extending downwardly into the pocket, the side edges of the flaps being stitched to the front and back portions of the pocket by the said stitches along the side edges of said front and back portions, substantially as and for the purpose described.

- 1,460,994. FISHING REEL. JOHN T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed May 23, 1921. Serial No. 471,813. 7 Claims. (Cl. 242—84.4.)



6. In a fishing reel, the combination of a spool shaft, a traversing shaft, a steady bar, and a carriage having spaced openings through which pass, respectively, the traversing shaft and steady bar, to provide a mounting for the carriage, there being a third opening within the carriage connecting the other two, and means within said third opening engaging both with the steady bar and with the traversing shaft to provide a driving connection from the latter to the carriage, substantially as described.

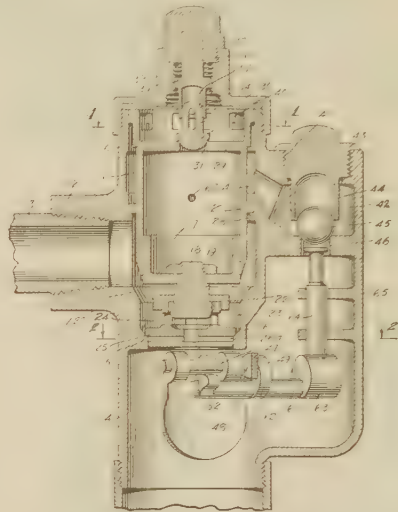
- 1,460,995. TOOTHBRUSH HOLDER. WALTER W. WELPEL, Detroit, Mich., assignor of one-half to Grant L. Cook, Detroit, Mich. Filed Feb. 9, 1922. Serial No. 535,286. 4 Claims. (Cl. 248—63.)



1. In a tooth brush holder wherein a brush is inserted in a bottom open end of the holder, a back piece bent

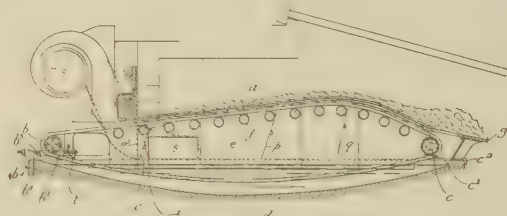
to provide a shelf and cut and stamped to provide out-struck resilient members, and tubular containers having open ends and adapted to be placed on said resilient members with the upper ends of said containers closed by the shelf of said back piece, said resilient members adapted to hold brushes in said containers against front walls thereof.

- 1,460,996. FLUSHING VALVE. WILLIAM SEARS WHITE, Denver, Colo. Filed May 3, 1921. Serial No. 466,565. 10 Claims. (Cl. 137—93.)



1. A flushing valve including a reservoir having an inlet and an outlet, a piston in the reservoir above the inlet, a valve pendent from the piston and movable relatively thereto and adapted to close said outlet, said valve having a passage therethrough, and an auxiliary valve carried by the piston and adapted to close said passage by a movement of the piston toward the first-named valve.

- 1,460,997. MECHANICAL STOKER. WILFRED ROTHERY Wood, London, England. Filed Jan. 6, 1921. Serial No. 435,484. 7 Claims. (Cl. 110—40.)



1. An endless traveling grate stoker comprising an upper run, a stage at the rear of the upper run from which the clinker and ashes are discharged, a lower run and a water trough the surface of the water in which is freely exposed to radiation from the said upper run while a portion of the said lower run travels beneath the surface of the water.

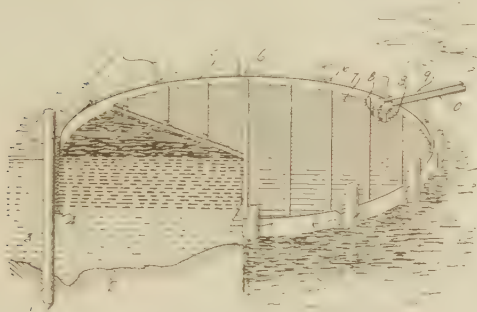
- 1,460,998. PIN CLASP. JOSEPH ZANGRILLI, New York, N. Y. Filed Mar. 22, 1923. Serial No. 626,973. 4 Claims. (Cl. 24—87.)



1. In a pin-clasp of the kind described including a main central structure and a pair of relatively movable pins

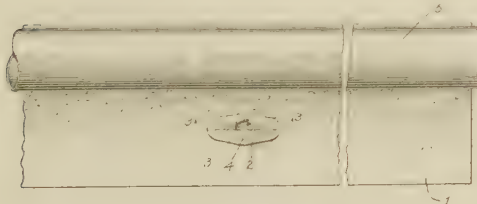
carried by the main structure and having oppositely directed points offset from the main structure and normally spring-urged toward each other, the combination of means for thus spring-urging such pins while maintaining one of the pins slidable on the main structure, said means including a member slidably mounted on the main structure, said member including a length of strip metal of a uniform rectangular cross-section substantially from end to end, said member at one end being split to provide oppositely bent tongues, and an expansile coil spring on the member and restrained between said tongues and a part of the main structure.

1,460,999. TANK. ARTHUR WILLMAN COOPER, Santa Monica, Calif. Filed Dec. 13, 1921. Serial No. 522,099. 2 Claims. (Cl. 220—85.)



1. An oil tank including an open ended casing adapted to be partially submerged in water, means surrounding and engaging the casing to prevent lateral displacement thereof, and a floating cover positioned in one end of said casing.

1,461,000. METHOD OF MAKING INNER TUBES. ERNEST L. FULLER, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 16, 1920. Serial No. 403,685. 7 Claims. (Cl. 154—14.)

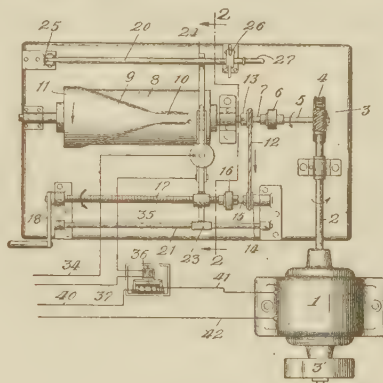


6. The method of making inner tubes that comprises disposing a valve patch upon a sheet of uncured rubber, disposing a metallic-cutting-element in an opening of the valve patch, rolling the sheet to form a tube, wrapping the tube with a fibrous strip to compact it and effect a cutting thereof by the metallic-cutting-element, subjecting the tube to heat to vulcanize the rubber, and removing the metallic-cutting-element from the cured rubber.

1,461,001. MOTOR AND MEANS FOR CONTROLLING THE SAME. EDWARD VASSALLO HARTFORD, Deal, N. J.; Henrietta Pollitzer Hartford administratrix of said Edward V. Hartford, deceased. Filed July 24, 1918. Serial No. 246,427. 15 Claims. (Cl. 171—222.)

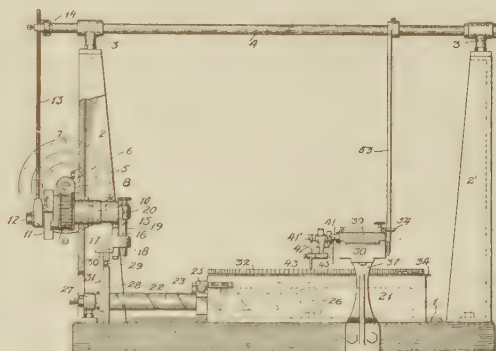
1. The combination with a series electric motor and means operated thereby for intermittently supplying

energy to said motor, said means comprising a cam element and contacts operated thereby of means for varying



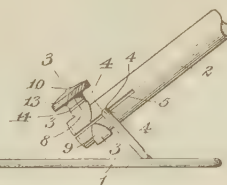
the period of energization, and a speed-responsive means controlling the last mentioned means whereby constant speed at varying loads is maintained.

1,461,002. RULING MACHINE. WILLIAM H. HOPE, Providence, R. I. Filed July 15, 1921. Serial No. 485,124. 19 Claims. (Cl. 33—32.)



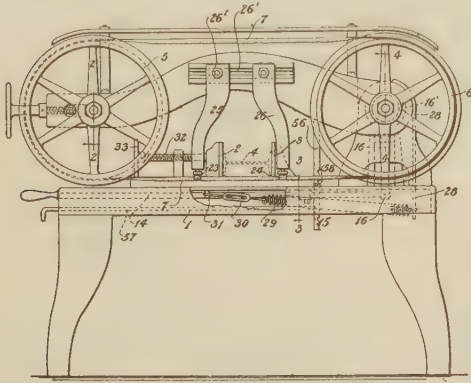
1. A ruling machine comprising a bed having end up-rights, a shaft journaled on the uprights above the bed, a second shaft journaled on one upright, a slide bar secured to the second shaft, a crank pin adjustable on the slide bar, a rocker arm fixed to the first shaft, a connecting rod between the rocker arm and the crank pin, a work carriage, a cutter carriage, a bridge supporting the latter over the work carriage for movement, a second rocker arm fixed to the first shaft and engaging the cutter carriage for effecting movement thereof, and a cutter carried by the second carriage.

1,461,003. POLISHING MOP. FRANK J. LEARMAN, Buffalo, N. Y., assignor to Buffalo Specialty Company, Buffalo, N. Y., a Corporation of New York. Filed May 8, 1920. Serial No. 379,853. 8 Claims. (Cl. 15—229.)



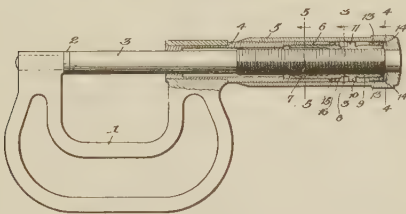
1. The combination of a handle having a longitudinal slot therein, a mop head having a transverse pivot-portion extending through the slot of said handle, and clamping means on said handle between the end thereof and said pivot portion whereby said pivot-portion is clamped within said handle yet permitted to rotate therein.

1,461,004. HACK-SAW MACHINE OF THE CONTINUOUS-BAND TYPE. CHARLES NAPIER, Springfield, Mass., assignor to the Henry G. Thompson & Son Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 20, 1920. Serial No. 431,812. 4 Claims. (Cl. 29—68.)



1. A metal sawing machine comprising work clamping means, and relatively movable band saw supporting means having a driving pulley and a guiding pulley, a continuous band saw mounted upon and operated by said pulleys with its leads located upon opposite sides of a plane passing through the axes of said pulleys, said blade being twisted when applied to said pulleys to cause the cutting field of the progressively moving blade to extend normally in a plane substantially perpendicular to a plane tangential to the face of one of said pulleys, and guiding means engaging the cutting lead of said blade adjacent to the ends of the cutting field thereof acting to maintain and insure said perpendicular position of the cutting portion of the blade throughout the entire cutting field.

1,461,005. MICROMETER CALIPER. JOHN W. PARKER, Barrington, R. I., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Filed Mar. 15, 1922. Serial No. 543,981. 8 Claims. (Cl. 33—164.)

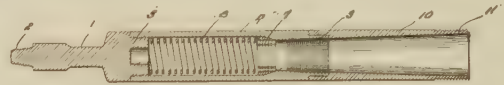


1. In a micrometer caliper having a threaded spindle and a barrel having interior threads, a sleeve interiorly threaded to engage the threads of the spindle and having exterior threads on each end; the exterior threads on the inner end of the sleeve engaging the threads of the barrel, a collar rigid on the sleeve between its ends to rotate the sleeve, a lock nut on the threads on the inner end of the sleeve abutting the outer end of the barrel, the outer end of the sleeve having longitudinal spaced slots and the exterior threads of said outer end of the sleeve being tapered, and a compensating nut on the tapered threads on the outer end of the sleeve for moving the interior threads of said outer end of the sleeve into engagement with the spindle threads upon wear of the latter.

1,461,006. FISHING TOOL. VIRGIL W. SWOVELAND, Tulsa, Okla. Filed June 1, 1920. Serial No. 385,592. 9 Claims. (Cl. 294—102.)

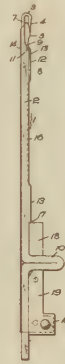
1. A fishing tool comprising a jar having a casing provided with a hollow interior portion; a portion of the

casing being formed to force a lost drilling tool away from the wall of a well casing and into the hollow interior portion of the jar; means, associated with the jar,



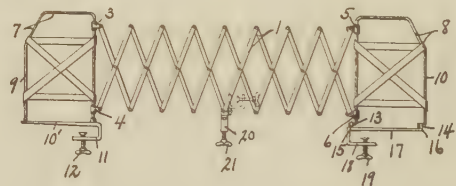
for gripping the lost tool when the jar is lowered into engagement therewith, and means, carried by the jar for severing a rope from the lost drilling tool.

1,461,007. KNITTING NEEDLE. SYDNEY E. TAFT, Framingham, Mass., assignor to Spartan Needle Company, Providence, R. I., a Corporation of Rhode Island. Filed Jan. 29, 1920. Serial No. 354,764. 25 Claims. (Cl. 66.5.)



1. A knitting instrument comprising a yarn drawing member and a sheath having a loop entering element arranged at one side of said yarn drawing member substantially midway between the edges of said sheath.

1,461,008. LUGGAGE CARRIER. ERNEST E. CONINE, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,598. 4 Claims. (Cl. 224—29.)

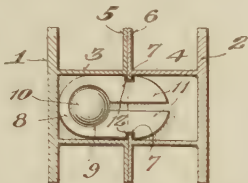


1. A luggage carrier for the running boards of automobiles and the like comprising in combination a lazy tongs, rigid end frames, means adapted for securing said end frames to the running board, connecting means at each end of the lazy tongs, said means each comprising members surrounding a member of and between the ends of its respective rigid frame, and one of said means for securing the end frames to the running board having a pivotal connection to its respective end frame to permit the latter to fold flatwise upon the running board.

1,461,009. SEPARABLE BUTTON. JOSEPH O. CHABOT, North Attleboro, Mass., assignor to George L. Paine Company, North Attleboro, Mass. Filed Nov. 2, 1922. Serial No. 598,569. 6 Claims. (Cl. 24—102.)

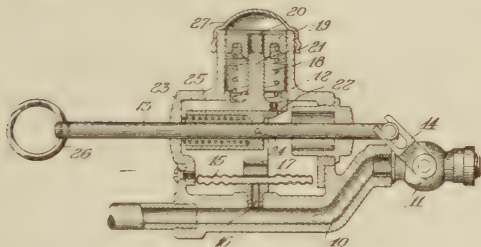
1. In a separable button, a pair of members each having a head, a shank of substantially rectangular cross section and a base, the base of one member being formed with a slot providing abutments which extend into the

shank interior, and a catch of substantially U-formation having a circular aperture in its base and having its arms formed with U-shaped cut-outs to receive the



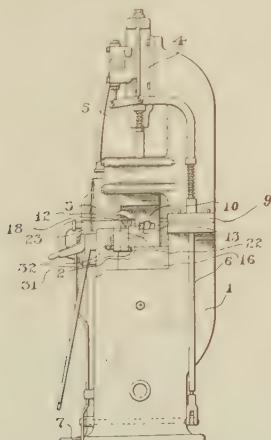
abutments one of the sides of the shank of the other member being formed with a pressed-out part of concavo-convex cross section which extends into the circular aperture of the catch to secure the latter in position.

1,461,010. AUTOMATIC VALVE. SAMUEL S. AMDURSKY, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed May 29, 1920. Serial No. 385,327. 8 Claims. (Cl. 137—139.)



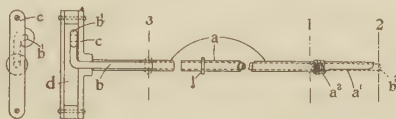
1. The combination with a source of fluid pressure, of an automatic valve comprising an expansible fluid pressure chamber in communication with said source of pressure, operating means normally tending to open said valve, and a stop member actuated by the expansible chamber cooperating with said means to hold the same in a position closing said valve and adapted to be moved to a position releasing said means when said expansible chamber has been enlarged a given amount under the influence of a predetermined pressure.

1,461,011. FORGING MACHINE. FRANK A. HALLECK, Oak Park, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 11, 1917. Serial No. 179,952. 37 Claims. (Cl. 76—5.)



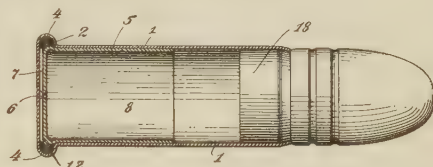
1. Gaging die mechanism comprising a plurality of dies including one die having a gaging groove therein of curved section and of flatter transverse curvature at one end than at the other.

1,461,012. APPARATUS FOR USE IN BLASTING. RHYS D. HARRIS, Seven Sisters, Wales. Filed June 2, 1919. Serial No. 301,300. 2 Claims. (Cl. 86—21.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



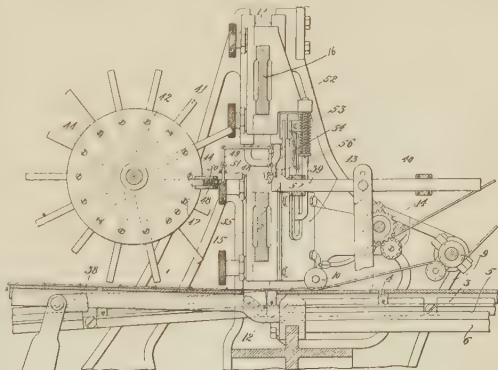
1. An apparatus for use in blasting comprising a detonator carrying tube provided with a transversely disposed handle part having a slot or recess, and a rod slidably mounted within the detonator carrying tube and having a laterally or transversely disposed handle portion adapted to be received into the slot or recess of the transversely disposed handle part of the detonator carrying tube.

1,461,013. RIM-FIRE AMMUNITION. HOWARD D. HODGE, New York, N. Y., assignor to George Ramsey, New York, N. Y. Filed July 13, 1920. Serial No. 395,898. 7 Claims. (Cl. 102—17.)



1. In a rim fire cartridge, a shell adapted to form a suitable powder chamber, a priming retaining rim of relatively soft thin material, a priming composition within said rim, and a re-inforcing cup mounted within the head of said shell and having a portion extending within said rim sufficiently to interlock said cup with said shell, said cup being provided with flame openings to permit the priming material to fire the powder charge within the shell when the priming is ignited, and said openings being sufficiently small to retard the backward flow of gas pressure from the burning powder, thereby preventing excessive powder pressures from reaching the rim of the shell.

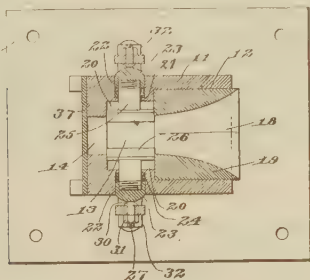
1,461,014. MACHINE FOR USE IN MAKING BOXES. DAVID A. LANDERS, Chicago, Ill., assignor to Wire-bounds Patents Company, Kittery, Me., a Corporation of Maine. Filed Sept. 13, 1919. Serial No. 323,450. 46 Claims. (Cl. 1—8.3.)



45. A machine for use in making wire-bound boxes comprising, in combination, fastener setting mechanism; means to cause relative progression between said mechanism and a succession of work assemblies; means controlling the progression to locate fasteners where desired in a work assembly; and means controlling the progres-

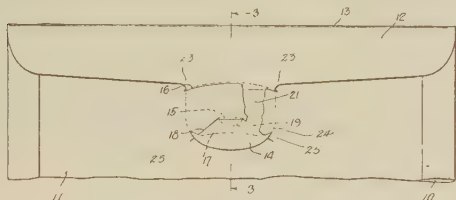
sion during the time a space between work assemblies is passing the fastener-setting mechanism whereby a like location of fasteners will be effected in a succession of work assemblies.

1,461,015. MACHINE FOR MAKING BROOM BUNDLES OR UNITS. HARRY D. NEFF, Cambridge, Mass., assignor to Re-Filit Broom Company, Boston, Mass., a Corporation of Massachusetts. Filed May 14, 1921. Serial No. 469,736. 3 Claims. (Cl. 300—1.)



1. In a machine of the class described, the combination of a body member provided with a band holding chamber, a removable block located in the body member in front of said chamber and having a funnel shaped orifice communicating with said chamber, and crimping means movable laterally with respect to said chamber.

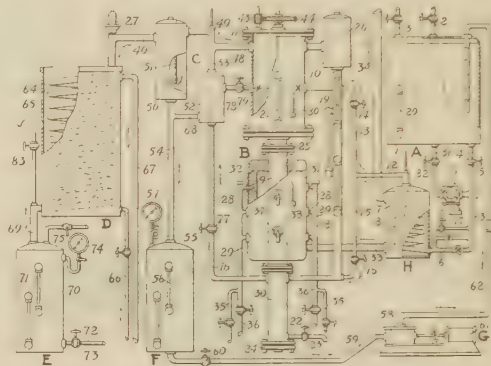
1,461,016. LOCKING-TONGUE ENVELOPE. GEORGE R. PERRY, Brooklyn, N. Y., assignor to Western Envelope Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 19, 1921. Serial No. 516,417. 1 Claim. (Cl. 229—84.)



In an envelope, the combination with a sealing flap and panel for co-operation therewith, of a locking tongue

carried by the sealing flap, said panel having two transverse openings through which the tongue is projected successively in interlocking position, the transverse opening through which the tongue passes last having a lip projecting away from the sealing flap, said tongue having a transverse slot into which said lip projects in locking position, and the tongue being provided along its edges with a pair of hooks for engagement with the transverse opening having the lip.

1,461,017. APPARATUS FOR THE CONVERSION AND TRANSFORMATION OF LIQUIDS, FLUIDS, AND OILS. JOSEPH H. ADAMS, Flatbush, N. Y., assignor to The Texas Company, Houston, Tex., a Corporation of Texas. Filed Dec. 5, 1917. Serial No. 205,528. 22 Claims. (Cl. 196—14.)



12. In apparatus for converting high boiling hydrocarbon oil into lower boiling products, the combination of a converter, an outlet discharge pipe therefor located at a predetermined height immediate its ends, an inlet pipe communicating with said converter, means for continuously passing liquid oil through said inlet pipe into said converter and, in serving in conjunction with said outlet pipe to maintain a substantially constant oil level therein, a furnace surrounding said converter above its lower end for externally applying cracking heat under super-atmospheric self-imposed vapor pressure to the oil therein, and means for returning to said converter for retreatment the liquid oil discharged therefrom.

THE OFFICIAL GAZETTE

OF THE
United States Patent Office.

Vol. 312—No. 2.

TUESDAY, JULY 10, 1923.

Price—\$5 per year.

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$5.00 per annum; single numbers, 10 cents each.

Printed copies of patents are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

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Designs.....	30—No.	62,630 to No.	62,659, inclusive.
Patents.....	699—No.	1,461,018 to No.	1,461,716, inclusive.

Total..... 1259

Changes in the Directory of the Patent Office.

The following changes in the Directory of the Patent Office are announced:

First Assistant Examiner C. F. Haden, Acting Examiner in charge of Division II, promoted to Principal Examiner June 16, 1923, in charge of the same division.

The Chief Clerk's office has been moved to Room 204.

Division XXXVI has moved to Room 265.

Since the death of Principal Examiner Mitchell on May 27, 1923, Acting Examiner O. F. Hunter has been in charge of Division X.

ADJUDICATED PATENTS.

(U. S. C. C. A. Ala.) Wood patent, 1,182,439, for vanes for centrifugal pumps, *Held* not anticipated, valid, and infringed. *Atlantic, Gulf & Pacific Co. v. Wood*, 288 Fed. Rep., 148.

Interference Notices.

U. S. PATENT OFFICE, Washington, June 21, 1923.

Richard L. Clements, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the patent granted December 26, 1922, No. 1,440,057, to Richard L. Clements, care of J. E. Regan Machine Works, 76 Seventh Street, Long Island City,

N. Y., and an application for patent filed by Melchior Armato, 1284 Clybourn Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Clements at the address of record and reforwarded to 4 Ketcham Place, Elmhurst, N. Y., the address furnished by his attorney, having been returned by the post office undeliverable, notice is hereby given that unless said Clements, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner.

U. S. PATENT OFFICE, Washington, June 15, 1923.

Adolf Bromberg, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent filed by Adolf Bromberg, 167 Wooster Street, New York, N. Y., and an application for patent filed by Elmer S. Rutter, 510 Palisade Avenue, Weehawken Heights, N. J., and a notice of such declaration sent to said Bromberg at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bromberg, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS E. ROBERTSON,
Commissioner.

Disclaimer.

1,323,053.—*George Edgar Hazard*, Rochester, N. Y. AUTO-MOBILE-DRIVEN TIRE PUMP. Patent dated November 25, 1919. Disclaimer filed June 22, 1923, by the patentee and the assignee, *Kellogg Manufacturing Co.* Hereby enter this disclaimer to said claim of the specification of said Letters Patent, which claim is as follows:

"4. An improved automobile tire pump structure, comprising an eccentric case containing a lubricant, a cylinder mounted thereon, a separating wall between the lower end of the cylinder and at the top of the case, a piston in the cylinder, an operating shaft in the case, a separating wall having a piston rod bearing opening, and a piston rod passing through the said opening and operatively connecting the piston and operating shaft."

Notice Regarding Payment of Fees.

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business June 29, 1923.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 74,690; Trade-Mark Division, 3,822. Oldest new case, Aug. 17, 1922; oldest amended, Aug. 21, 1922. The dates given are 1922 except where * indicates 1923.)	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
			New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Sept. 29	Sept. 23	1,244	
128	2. HADEN, C. F. (Acting), Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Sept. 1	Sept. 12	1,562	
175	3. RICH, W. M. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Sept. 2	Sept. 9	1,752	
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Sept. 14	*Feb. 14	1,499	
167	5. MCNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manfolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 1	Sept. 14	1,428	
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 12	*Feb. 8	1,830	
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	Sept. 2	Nov. 23	2,680	
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 2	*Mar. 23	1,551	
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 5	*May 18	834	
235	10. MITCHELL, T. H., Land Vehicles; Land Vehicles, Animal Draft Appliances; Land Vehicles—Bodies and Tops; Land Vehicles—Dumping; Land Vehicles, Wheel Substitutes; Motor Vehicles.	Sept. 15	Oct. 10	1,480	
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Jan. 2	Nov. 7	959	
322	12. PIERCE, P. P., Machine Elements.	Nov. 5	Dec. 26	1,470	
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Sept. 8	*Mar. 15	1,233	
323	14. BRUMBAUGH, N. J., Compounding Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Sept. 1	*May 12	1,180	
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Sept. 14	Oct. 18	2,108	
112	16. BACKUS, C. D., Radiant Energy—Telegraphy; Telephony.	Sept. 2	Sept. 1	2,478	
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Sept. 5	Dec. 2	1,499	
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Aug. 17	Sept. 1	2,052	
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	Nov. 23	*Mar. 22	763	
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Nov. 3	*Nov. 20	2,056	
212	21. THURBER, W. L., Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.	Aug. 39	*Jan. 16	1,023	
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 4	*Jan. 2	619	
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Records; Registers Sound Recording and Reproducing.	Sept. 7	Sept. 14	889	
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Sept. 8	Nov. 24	1,460	
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.	*Jan. 26	*Jan. 15	526	
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Sept. 11	Sept. 23	940	
214	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Sept. 9	Sept. 13	2,109	
225	28. BENSON, A. R., Internal-Combustion Engines.	Oct. 11	Nov. 18	1,495	
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 6	Dec. 18	712	
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Type-writing Machines.	Sept. 5	*Feb. 2	2,609	
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.	Sept. 9	Sept. 7	1,697	
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Sept. 5	Oct. 12	1,378	
70	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 16	Oct. 21	1,639	
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 6	*Jan. 20	824	
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Jan. 25	*Mar. 15	1,113	
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Dec. 13	Nov. 23	2,011	
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Sept. 5	Sept. 6	1,961	
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Sept. 16	Sept. 1	1,911	
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Sept. 6	Sept. 8	1,455	
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Woolen Receptacles.	Sept. 11	*Feb. 14	2,091	
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels.	Dec. 9	Oct. 24	928	
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps.	Oct. 5	Oct. 30	1,677	
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Oct. 3	Oct. 5	1,326	
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Sept. 1	*Jan. 17	1,234	
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices.	Sept. 11	Oct. 11	1,547	
332	46. WILCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Oct. 24	Nov. 16	1,418	
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and analogous Systems; Horology; Time-Controlling Mechanism.	Oct. 9	*Jan. 8	1,209	
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications.	Sept. 1	Sept. 1	2,387	
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 11	Aug. 21	660	
102	DESIGNS: C. O. MARKHAM (Acting).	Sept. 13	*Jan. 23	2,763	
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks.)	*Feb. 10	*Mar. 28	3,777	
	(Labels and Prints.)	*June 25	*June 25	45	

DECISIONS IN PATENT AND TRADE-MARK CASES.

Supreme Court of the United States.

A. BOURJOIS & COMPANY, INC., v. KATZEL.

Decided January 29, 1925.

1. TRADE-MARKS—INFRINGEMENT—USE OF TRADE-MARK IN UNITED STATES BY FOREIGN COMPANY AFTER SALE OF ITS BUSINESS IN THE UNITED STATES WITH ITS UNITED STATES TRADE-MARKS.

Where a foreign manufacturing company doing business in the foreign country and also in the United States sells its business in the United States with its good will and trade-marks registered in the United States, and where the assignee goes on with the business, using substantially the same form of container and label, and importing its goods from the foreign country, the foreign company cannot rightfully come to the United States and use its old marks on goods manufactured by it in the foreign country, nor can it, whether for the purpose of evading the effect of the transfer or not, arrange with an agent to sell with the old label.

2. SAME—SAME—SAME—ORIGIN OF GOODS NOT TRULY INDICATED BY FOREIGN TRADE-MARK, SUBSTANTIALLY THE SAME AS UNITED STATES TRADE-MARK, ON FOREIGN GOODS NOT HANDLED BY ASSIGNEE.

It is not accurate to say that the trade-mark here is that of the foreign house and truly indicates the origin of the goods. In the United States it is the trade-mark of the assignee only, and indicates in law that the goods come from the assignee although not made by it.

ON writ of certiorari to the United States Circuit Court of Appeals for the Second Circuit.

Mr. Hans v. Briesen and *Mr. William A. Redding* for the petitioner.

Mr. Manton M. Wybell and *Mr. John B. Doyle* for the respondent.

Mr. Justice HOLMES delivered the opinion of the Court.

This is a bill to restrain the infringement of the trade-marks "Java" and "Bourjois" registered in the Patent Office of the United States. A preliminary injunction was granted by the district court, (274 Fed. Rep., 856; 290 O. G., 227,) but the order was reversed by the circuit court of appeals, one judge dissenting. (275 Fed. Rep., 539.) A writ of certiorari was granted by this Court. (257 U. S. 630.) In 1913 A. Bourjois & Cie., E. Wertheimer & Cie. Successeurs, doing business in France and also in the United States, sold to the plaintiff for a large sum their business in the United States, with their good will and their trade-marks registered in the Patent Office. The latter related particularly to face powder, and included the above words. The plaintiff since its purchase has registered them again and goes on with the business that it bought, using substantially the same form of box and label as its predecessors and importing its face powder from France. It uses care in selecting colors suitable for the American market, in packing and in keeping up the standard, and has spent much money in advertising, etc., so that the

business has grown very great and the labels have come to be understood by the public here as meaning goods coming from the plaintiff. The boxes have upon their backs: "Trade Marks Reg. U. S. Pat. Off. Made in France—Packed in the U. S. A. By A. Bourjois & Co. Inc. of New York, Succ'rs. in the U. S. to A. Bourjois & Cie. and E. Wertheimer & Cie."

The defendant, finding that the rate of exchange enabled her to do so at a profit, bought a large quantity of the same powder in France and is selling it here in the French boxes which closely resemble those used by the plaintiff except that they have not the last quoted statement on the backs, and that the label reads "Poudre de riz de Java" whereas the plaintiff has found it advisable to strike out the suggestion of rice powder and has "Poudre Java" instead. There is no question that the defendant infringes the plaintiff's rights unless the fact that her boxes and powder are the genuine product of the French concern gives her a right to sell them in the present form.

[1, 2] We are of opinion that the plaintiff's rights are infringed. After the sale the French manufacturers could not have come to the United States and have used their old marks in competition with the plaintiff. That plainly follows from the statute authorizing assignments. (Act of Feb. 20, 1905, c. 592, sec. 10; 33 Stat., 727.) If for the purpose of evading the effect of the transfer it had arranged with the defendant that she should sell with the old label, we suppose that no one would doubt that the contrivance must fail. There is no such conspiracy here, but apart from the opening of a door to one, the vendors could not convey their goods free from the restriction to which the vendors were subject. Ownership of the goods does not carry the right to sell them with a specific mark. It does not necessarily carry the right to sell them at all in a given place. If the goods were patented in the United States a dealer who lawfully bought similar goods abroad from one who had a right to make and sell them there could not sell them in the United States. (*Boesch v. Gräff*, 133 U. S., 697; 51 O. G., 477.) The monopoly in that case is more extensive, but we see no sufficient reason for holding that the monopoly of a trade-mark, so far as it goes, is less complete. It deals with a delicate matter that may be of great value but that easily is destroyed, and therefore should be protected with corresponding care. It is said that the trade-mark here is that of the French house and truly indicates the origin of the goods. But that is not accurate. It is the trade-mark of the plaintiff only in the United States and indicates in law, and, it is found, by public understand-

ing, that the goods come from the plaintiff although not made by it. It was sold and could only be sold with the good will of the business that the plaintiff bought. (*Eiseman v. Schiffer*, 157 Fed. Rep., 473.) It stakes the reputation of the plaintiff upon the character of the goods. (*Menendez v. Holt*, 128 U. S., 514; 46 O. G., 971.) The injunction granted by the district court was proper under secs. 17 and 19 of the Trade-Mark Act. (Act of Feb. 20, 1905, c. 592.)

Decree of circuit court of appeals reversed.

Court of Appeals of the District of Columbia.

REPLOGLE v. THE AIR-WAY COMPANY.

No. 1,527. Decided March 5, 1923.

1. TRADE-MARKS—"AIRWAY"—INTERFERENCE BETWEEN REGISTRANT AND HIS SUCCESSOR IN BUSINESS.

Where R. transferred his entire business as a manufacturer, and with it whatever right he had to his trade-mark, and an interference was declared between R., the registrant, and his successor, who applied for registration on the same mark, *Held* that it was unnecessary to determine whether or not R. was the first to adopt and apply the mark to the goods, for if he was the first he conveyed his right, in connection with his business, to his successor. Accordingly the interference was decided in favor of the applicant.

2. SAME—SALE OF BUSINESS AND GOODWILL CARRIES WITH IT THE SALE OF THE TRADE-MARK.

A sale of a business and of its goodwill carries with it the sale of the trade-mark used in connection with the business, although not expressly mentioned in the instrument.

3. SAME—ALLEGED EXPIRATION OF RIGHT AFTER DECISION OF COMMISSIONER FROM WHICH APPEAL IS TAKEN.

Where R. urged that his successor's right to the mark had ceased because of an alleged forfeiture of an agreement or license, *Held* that if forfeiture took place after the decision of the Commissioner of Patents it could not be considered, because it is the duty of the court to review the decision upon the record of the proceedings in the Patent Office.

4. INTERFERENCE—EVIDENCE—UNVERIFIED STATEMENTS MADE BY PARTY TO THE INTERFERENCE ACTING PRO SE.

A statement made by R., not as a witness under oath, but as counsel, is at best only a belief on his part and can not be given any weight.

5. TRADE-MARKS—EFFECT ON RIGHT TO TRADE-MARK OF RETURNING ONE OF SEVERAL PATENTS TO LICENSOR BY LICENSEE WHO PURCHASED LICENSOR'S BUSINESS AND TRADE-MARK.

Where R., who was engaged in manufacturing and selling the products covered by several patents belonging to him, transferred his entire business and with it whatever right he had to his trade-mark and delivered to the purchaser an exclusive license to manufacture and sell all the products covered by R.'s patents and applications, the right to R.'s business and trade-mark was not forfeited by the return of one of the patents to R. in the absence of an agreement to that effect.

Mr. D. B. Replogle pro se.

Mr. C. W. Owen for The Air-Way Co.

Before Chief Justice SMYTH, Justice ROBB, and Judge SMITH, of the United States Court of Customs Appeals.

SMYTH, C. J.:

This is a trade-mark interference proceeding in which the decision of the Patent Office was against

Daniel B. Replogle and in favor of The Air-Way Company. The contest relates to the use of the name "Air-Way" on electric vacuum cleaners and parts thereof.

Replogle filed his application for registration of a composite mark consisting of the words "Pneumode" and "Air-Way" on November 15, 1918, alleging that he had commenced the use of the mark sometime prior thereto. Just before the filing of his application Replogle was engaged in manufacturing and selling under the name of Bright Circle Mfg. Co., an electric vacuum cleaner and parts thereof invented by him and covered by certain patents to which he applied the mark just mentioned. The Air-Way Company sought registration of the name "Air-Way" on December 26, 1919, having adopted it in the previous April.

In October, 1918, Replogle and another entered into an agreement with one Charles F. Bacon, of Toledo, Ohio, whereby Replogle agreed to deliver, at the request of Bacon, to a corporation to be formed, an exclusive license to manufacture and sell all of the products covered by the patents referred to, and applications for patents, belonging to Replogle, the license to last during the respective terms of the patents. Under this agreement Replogle was to receive a certain percentage of the gross sales as royalties, and three hundred dollars per month as a minimum royalty. The corporation was to proceed with reasonable diligence to manufacture at least a thousand of the cleaners and put the same upon the market as soon as practicable. The contract further provided that Replogle should receive from the corporation an exclusive agency in the States of Oregon, Washington, and California for the sale of the articles manufactured under the license.

The corporation was formed, in accordance with the contract, and took the name of The Air-Way Company. It is this company which applies for registration of the mark "Air-Way." In due time the license provided for was delivered, at the request of Bacon, to the corporation, and the contract was in all respects carried out by the parties thereto. In addition to securing the license, The Air-Way Company purchased and took over all the business, goodwill, cleaner parts, tools, jigs, and property of every kind formerly used or employed by Replogle under the name of the Bright Circle Mfg. Co.

[1] It appears, then, that Replogle transferred the entire business of the Bright Circle Mfg. Co. to the corporation, and with it whatever rights he had to the mark "Air-Way", and from that time on The Air-Way Company had the right to use the mark on the goods which it manufactured under the license. In view of this it is not necessary to determine whether or not Replogle was the first to adopt and apply the mark to patented goods, for if he was the first he conveyed his right in connection with his business to The Air-Way Company.

[2] We have said that where the owner of a trade-mark grants the right to another, either by sale or license, to use the mark on the goods with which its use is connected, and abandons its use himself, he can not afterwards either deprive his assignee of the right to its use or set up an adverse use. By use in connection with the business the assignee acquires the title abandoned by the assignor, and the title is of that exclusive character which is entitled to protection even against such assignor. (*Macwilliam v. President Suspender Company*, 46 App. D. C., 45; 242 O. G., 255, and cases cited.) The question is very fully discussed in *President Suspender Co. v. Macwilliam* (238 Fed., 159), where many decisions are referred to. It is there said that there is no such right known to the

law as an exclusive ownership of a trade-mark apart from the right to use it in a business. It can not exist as a right in gross. A sale of a business and of its goodwill carries with it the sale of the trade-mark used in connection with the business, although not expressly mentioned in the instrument of sale. Replogle had no right to the mark apart from the right to use it in connection with his business. That business was transferred to The Air-Way Company in December, 1918. If Replogle had the right to have the mark registered before he transferred his business to The Air-Way Company (and for the purpose of this case we assume he did), then the latter company acquired that right by transfer, and possessed it at the time it made its application on December 26, 1919.

But Replogle insists that the agreement under which he transferred the business and the mark was not a contract, but a simple license, upon condition, inter alia, that The Air-Way Company would comply with its terms. The same defense was made in *President Suspender Co. v. Macvilliam*, supra. In disposing of it the court said that it was unable to perceive any reason for holding that a patentee who gives an exclusive license to another to manufacture and sell a patented article for the life of the patent, and who at the same time transfers the goodwill of the business to the licensee, retains any right to the trade-mark which he can avail himself of during the life of the patent ordinarily or on its expiration. The right of the plaintiff to the trade-mark must be regarded as exclusive of the defendant, as was the plaintiff's right to manufacture and sell the patented article.

[3, 4] It is urged by Replogle that the agreement or license has been forfeited so far as the cord reel covered by one of the assigned patents is concerned, and that because of this The Air-Way Company's right to the mark has ceased. The reel is but part of the cleaner. When this alleged forfeiture took place does not appear. If it took place after the decision by the Commissioner of Patents, we cannot consider it, because our duty is to review the decision upon the record of the proceedings in the Patent Office. (33 Stat., 727; Rev. Stat., 4014.) The only reference to it in the record appears in a statement made by Replogle—not as a witness under oath, but as counsel—that The Air-Way Company, he believed, had agreed to transfer the cord reel patent back to him. At best it is only a belief on his part. If it was a fact he could have proven it without difficulty. We can not give this statement any weight. Moreover, he does not say with whom the agreement was made, but, if made, it must have been with him. If it was the intention of the parties that the trade-mark should be returned to him at the same time the cord reel patent was returned, why did not the agreement say so? Must we not assume that since it is silent on the subject the parties did not intend it should be returned?

[5] At the bar it was admitted that The Air-Way Company had ceased to manufacture the cord reel, but the time when it ceased to do so was not given. Unless, we repeat, it was before the decision of the Commissioner we cannot consider it. Anyhow it was not admitted that the title to the trade-mark was to be returned. In this regard it must be remembered that there is nothing in the license of the patents about the transfer of the Bright Circle Mfg. Co.'s business or the trade-mark. That, so far as the record is concerned, was the result of a separate agreement. The nonperformance of the conditions of the license contract in no way affected the title to the business or trade-mark conveyed to The Air-Way Company. To say that it did would be to write into the contract something that was not placed there by the parties. This we can not do.

The decision of the Commissioner is affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

783,410, J. Bergoff, Box, suit filed Dec. 12, 1921, U. S. D. C., S. D. N. Y., Doc. E 22/329, *Warner Jewelry Case Co. v. Frank & Gutman, Inc.* Consent order on motion of complainant dismissing bill.

803,066, B. F. Orewiler, Garment supporter, suit filed Mar. 7, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/176, *The American Buckle Co. v. Sweet Orr & Co., Inc., et al.* Consent order discontinuing action.

837,017, C. A. Von Welsbach, Pysophoric alloy, suit filed Mar. 17, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/221, *A. Harris et al. v. Irvin-Smith Co., Inc., et al.* Consent decree sustaining patent, adjudging infringement by Irvin-Smith Co., Inc., and granting perpetual injunction. Bill dismissed as to J. R. Irvin.

852,995, 893,049, H. Blackman, Ventilating tunnels, suit filed Dec. 21, 1920, U. S. D. C., S. D. N. Y., Doc. E 20/183, *Ventilation Corp. v. Interborough Rapid Transit Co.* Order dismissing cause for lack of prosecution.

893,049. (See 852,995.)

918,102, W. C. Tregoning, Sockets for incandescent lamps, suit filed July 20, 1921, U. S. D. C., S. D. N. Y., Doc. E 22/58, *Harvey Hubbell, Inc. v. American Brass & Copper Co.* Interlocutory decree sustaining patent, adjudging infringement of claims 7 and 8, granting injunction.

958,478, W. E. Davey, Process of reenforcing trees, suit filed Feb. 2, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/83, *Davey Tree Expert Co. v. F. C. Koons.* Consent decree perpetually enjoining defendant.

995,758, H. M. Alleyn, Casters for furniture, suit filed Apr. 18, 1923, U. S. D. C., E. D. N. Y., Doc. 1250, *H. W. Peabody & Co. v. The Brooklyn Upholstery Supply Co.*

1,029,541, L. A. Haustetter, Dishwashing machine, suit filed Nov. 7, 1921, U. S. D. C., S. D. N. Y., Doc. E 22/251, *L. A. Haustetter et al. v. The Horn & Hardart Co.* Interlocutory decree sustaining patent, adjudging infringement, and granting perpetual injunction.

1,060,190, Kellner & Worms, Knitted neckties; Des. 43,459, J. Kellner, Knitted necktie; Des. 58,524, Des. 58,860, S. Worms, Knitted or netted fabrics, suit filed May 17, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/398, *Franklin Knitting Mills, Inc. v. The Light Corp.* Consent decree sustaining patents, adjudging infringement, and granting perpetual injunction.

1,072,471, Des. 43,459, Kellner & Worms, Knitted neckties; 1,072,856, same, Process of knitting neckties and scarfs; 1,103,589, J. Kellner, Knitted fabric, suit filed May 4, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/308, *Franklin Knitting Mills, Inc. v. Fain Knitting Mills et al.*

1,072,856. (See 1,072,471.)

1,085,188, A. A. Arnold, Box cover, suit filed Apr. 26, 1923, U. S. D. C., E. D. N. Y., *J. Griffiths v. H. Ramsauer.*

1,103,589. (See 1,072,471.)

1,127,660, J. H. McMichael, Method of and apparatus for transporting and treating concrete, suit filed May 9, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/325, *Concrete Mixing & Conveying Co. v. Ulen Contracting Corp.*

1,180,861, W. R. Macklind, Submarine boat, suit filed Mar. 10, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/201, *W. R. Macklind v. Foundation Co., Inc.* Consent decree upon motion of complainant dismissing cause.

1,181,970, A. S. Kratz, Contribution envelopes, decree of District Court, Western District of Virginia, affirmed May 3, 1923, U. S. C. C. Appeals (4th Cir.), *A. S. Kratz Co., Inc. v. Double Envelope Corp.*

1,216,140, A. Kurtz, Lining for hats, suit filed Apr. 18, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/251, *A. Kurtz et al. v. Rogers Hat Lining Corp.* Same, suit filed May 2, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/348, *A. Kurtz et al. v. Simonson & Fishbein.*

1,264,286, E. M. Dougherty, Holders for tire casings, etc., suit filed May 11, 1923, U. S. D. C., S. D. Ohio, Doc. E 305, *American Can Co. v. Doering Bros.*

1,288,968, F. W. Obenhaus, Valve, suit filed Apr. 1, 1919, U. S. D. C., S. D. Calif., Doc. E 10, *Unit System of Heating & Mfg. Co. v. W. D. Ralphs.* Dismissed for want of equity.

1,301,044, M. K. Dunham, Apparatus and method of burning combustible gases, suit filed Jan. 5, 1921, U. S. D. C., S. D. N. Y., Doc. E 20/210, *The Bastian Blessing Co. v. Air Reduction Co., Inc.* Consent order dismissing action filed Dec. 6, 1922.

1,341,327, Kettering & Christ, System of electrical generation, 1,380,975, same, Power plant; 1,380,974, C. F. Kettering, Internal-combustion engine; 1,430,524, same, Engine, suit filed Dec. 30, 1922, U. S. D. C., D. Mass., Doc. E 1790, *Delco Light Co. v. H. C. Dodge, Inc.*

1,380,974. (See 1,341,327.)

1,380,975. (See 1,341,327.)

1,406,077, A. F. Poole, Single-magazine pencils. Consent decree for injunction and damages, U. S. D. C., S. D. Ill., *The Wahl Co. v. E. M. Shanklin et al.*

1,412,242, B. D. Horton, Electrical switches and interlocking casings, suit filed Apr. 28, 1923, U. S. D. C., N. D. Ill., Doc. 3504, *Square D Co. v. J. P. Simons & Co.*

1,422,776, H. Maxenchs, Flexible metallic structure, suit filed May 3, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/307, *Maxenchs & Saladrigas (H. Maxenchs & Co.) v. H. Seidman et al.*

1,426,084, D. Kenner, Mops; 1,427,478, same, Mop heads, suit filed May 2, 1923, U. S. D. C., E. D. La., Doc. 17,248, *Dry Hand Mop Co., Inc. v. Squeez-Ezy Mop Co., Inc.*

1,427,478. (See 1,426,084.)

1,430,524. (See 1,341,327.)

1,433,585, F. M. Wiseley, Vehicle lamp, suit filed May 10, 1923, U. S. D. C., N. D. Ohio (E. D.), Doc. 900, *Bastian Bros. Co., Inc. v. The Louisville Machine Mfg. Co.*

1,449,183, J. E. Johnstone, Baseball mask, suit filed May 5, 1923, U. S. D. C., S. D. Ohio, Doc. E 304, *J. E. Johnstone v. J. A. Spinney.*

Des. 43,459. (See 1,060,190 and 1,072,471.)

Des. 58,524. (See 1,060,190.)

Des. 58,860. (See 1,060,190.)

Changes in Classification.

(ORDER NO. 2,825.)

U. S. PATENT OFFICE, Washington, June 27, 1923.

The following changes in the classification of inventions are hereby directed, to take effect immediately:

In class 1, Nailing and Stapling (Division XI), establish the following subclasses and definitions:

49.5. Nail loaders—

49.6. Implements.

49.7. Nail strippers.

49.5. NAIL LOADERS. Nail loaders for loading or assisting in loading magazine or magnetic nail-driving implements.

49.6. NAIL LOADERS, IMPLEMENTS. The nail loader is an implement.

49.7. NAIL STRIPPERS. Nail strippers adapted to feed nails from bulk into a position where one or more nails may be grasped by an operator and removed for driving.

The patents contained in these subclasses have been taken for the most part from class 1, Nailing and Stapling, subclass 6, Machines, Nail driving, Nail feeding.

In class 245, Wire Fabrics and Structure (Division XIV), establish the following subclass and definition:

1.5. Tire-bead grommets.

1.5. TIRE BEAD GROMMETS. Ring-shaped articles formed for the most part of wire adapted for reinforcing the beads of pneumatic tires and processes of making the same.

Search Classes—

29—METAL WORKING, subclass 156, Blanks and processes, Ferrules, rings, thimbles, and tubes, for similar devices having various other uses.

152—RESILIENT TIRES AND WHEELS, appropriate subclasses, for tires embodying these elements.

The patents contained in this subclass have been taken for the most part from class 152, Resilient Tires and Wheels, subclass 13, Tires, Pneumatic.

In class 294, Handling—Hand and Hoist-Line Implements (Division IV), establish the following subclass and definition:

65.5. Magnet.

65.5. MAGNET. Devices for raising material by means of one or more magnets.

Note.—The structure of the magnet itself is found in class 175, ELECTRICITY—GENERAL APPLICATIONS, subclass 367, Electromagnets, Lifting or holding. See also class 175, subclass 21, Electromagnets.

Note.—See this class (294), subclass 88, for grapples controlled by magnets.

The patents contained in this subclass have been taken for the most part from class 175, Electricity—General Applications, subclass 367, Electromagnets, Lifting or holding.

THOMAS E. ROBERTSON,

Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 10, 1923.

[Vol. 312. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911:

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

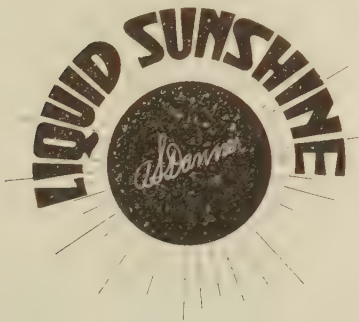
Ser. No. 118,198. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) WILSON WELDER & METALS COMPANY, INC., New York, N. Y. Filed May 5, 1919.

Plastic-Arc

Particular description of goods.—Electric Welding Machines, Electric Cables, Electric Resistance Units, Electrodes, Electric Motors, Electric Generators, Electric Switchboards, Electric-Switchboard Panels, Electric Switches, and Electric Welding Transformers.

Claims use since about Jan. 30, 1919.

Ser. No. 131,017. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DANNER CO., Portland, Oreg. Filed Apr. 12, 1920.



Particular description of goods.—Metal-Polishing Compound.

Claims use since Dec. 15, 1919.

Ser. No. 145,957. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NAUMKEAG STEAM COTTON CO., Salem, Mass. Filed Apr. 9, 1921.



The diamond-shaped figure has a blue background having a white center with the numeral "4" printed thereon in blue.

Particular description of goods.—Pillowcases.

Claims use since 1900.

Ser. No. 145,958. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NAUMKEAG STEAM COTTON CO., Salem, Mass. Filed Apr. 9, 1921.



The diamond-shaped figure has a red background and a white center with the numeral "62" printed in red on said white center.

Particular description of goods.—Pillowcases.

Claims use since 1900.

Ser. No. 154,939. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) HARRISON D. STERICK, doing business as Diamond Food Products Company and National Food Corporation, Pittsburgh, Pa. Filed Nov. 2, 1921.

MONASTERY

Particular description of goods.—Combination of Malt Extracts for Beverage Purposes, Including Malt for Making Nonalcoholic Beverages.

Claims use since on or about Aug. 1, 1919.

Ser. No. 155,900. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SHINTARO MAESHIMA, Tokyo, Japan. Filed Nov. 25, 1921.



No claim is made to the representation of the goods forming part of the mark apart from such mark as shown.

Particular description of goods.—Therapeutical Apparatus Called Oxyhealer Used for Injecting Oxygen Into the Body.

Claims use since March, 1915.

Ser. No. 155,940. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNRUH H. P. Co., Chanute, Kans. Filed Nov. 25, 1921.

UNRUMENE

Particular description of goods.—Germicidal Remedy Used in Cases of Colds, Sore Throat, Cuts, Burns, Bruises, Boils, and Insect Bites.

Claims use since Sept. 1, 1921.

Ser. No. 156,499. (CLASS 11. INKS AND INKING MATERIALS.) GEO. H. MORRILL Co., Norwood, Mass. Filed Dec. 9, 1921.



No registration rights are claimed for the words "News Ink" and "Squirt Feed" apart from the mark shown in the drawing.

Particular description of goods.—Printing Ink.

Claims use since Nov. 29, 1921.

Ser. No. 158,815. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HORACE G. CRAVEN, doing business as Bouillonized Peanut Company, Philadelphia, Pa. Filed Feb. 3, 1922.



Applicant makes no claim for the word "Peanuts" apart from the other features of the mark.

Particular description of goods.—Peanuts Prepared with Meat Extract.

Claims use since Jan. 19, 1922.

Ser. No. 160,434. (CLASS 37. PAPER AND STATIONERY.) WILLIAM A. RINGLER, Philadelphia, Pa. Filed Mar. 9, 1922.

THRIFT MILEAGE

Particular description of goods.—Receipt Books and Filing Cards for Bookkeeping Purposes.

Claims use since about Feb. 7, 1922.

Ser. No. 162,581. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ROOD CANDY COMPANY, doing business as Roods, Pueblo, Colo. Filed Apr. 19, 1922.

Daddy's Dream

Particular description of goods.—Candy.
Claims use since Feb. 1, 1922.

Ser. No. 162,721. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CAPITOL CHEMICAL COMPANY, Somerville, Mass. Filed Apr. 22, 1922.

PALMERGLOSS

Particular description of goods.—Stove Polish.
Claims use since Sept. 14, 1920.

Ser. No. 163,099. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE LIONEL CORPORATION, New York, N. Y. Filed Apr. 29, 1922.

LIONEL ELECTRIC TOY TRAINS

No claim made to the exclusive use of the words "Electric Toy Trains" apart from the mark shown on the drawing.

Particular description of goods.—Electrical Toys.
Claims use since about 1916.

Ser. No. 164,843. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GUSTAV TWELLSICK, doing business as August Reutershan, Solingen, Germany. Filed June 2, 1922.

VICTOR

Particular description of goods.—Tin Openers, Corkscrews, Pocketknives, Scissors, and Hair Clippers.
Claims use since Jan. 1, 1918.

Ser. No. 165,035. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCOIS X. RONDEAU, doing business as Radio Stomach Relief Co., Brockton, Mass. Filed June 5, 1922.

Radio

Particular description of goods.—Stomach Preparation.
Claims use since Feb. 17, 1922.

Ser. No. 165,343. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRED BUTTERFIELD & CO. INC., New York, N. Y. Filed June 12, 1922.

KIRKMUIR ZEPHYRS

No claim made to the word "Zephyrs" apart from the mark shown in the drawing.

Particular description of goods.—Ginghams in the Piece.

Claims use since Aug. 4, 1921.

Ser. No. 165,584. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FARBWERKE VORM. MEISTER LUCIUS & BRUNING, Höchst-on-Main, Germany. Filed June 16, 1922.



Particular description of goods.—Chemical Products for Industrial, Scientific, and Photographic Purposes—Namely, Coal-Tar Intermediate Products, Artificial Indigo, Artificial Alizarine, Hydrosulphites, Aniline Oil, Aniline Salt, Resorcin, β -Naphthol, Naphthylamine, Paranitriline, Metanitroparatoluidine, Orthonitrotoluidine, Orthonitroparaphenetidine, Benzidine, Dianisidine, Chloranisidine, Parasanol, Para Acid, Anthrachinone, Methyl Orange, Chromchloride, Cerchloride, Potassium Sulphite, Acetaldehyde, Acetone, Antichlor, Caustic-Soda Lye, Chlorine, Chrome Alum, Diethylsulphate, Sodium Acetate, Sodium Bisulphite, Sodium Sulphite, Olein, Paraldehyde, Sulphate, Hydrogen, Zinc Powder, Photographic Developers, and Sensitizers; Dystuffs; Mordants for Dyeing and Printing Purposes; Acids—Namely, Acetic Acid, Acetic-Acid Essence, Acetic-Acid Anhydrid, Monochloroacetic Acid, Nitric Acid, Hydrochloric Acid, and Sulphonic Acid; Tanning Materials; Disinfectants; Plant and Animal Extirpatives—Namely, Fungicides, Germicides, Insecticides, and Parasitocides; Benzoic Acid for Preservation of Foodstuffs; Pharmaceutical and Therapeutical Preparations—Namely, Antigonorrhoeics, Analgesics, Antineuralgics, Antipyretics, Antirheumatics, Antiarthritics, Anesthetics, Antidiabetics, Antihelmintics, Antidyspnoics, Antisyphilitics, Astringents, Antiparasitics, Antichlorotics, Antidiarrhoeics, Antihidrotics, Antiphthistics, Anti-blennorrhoeics, Antispasmodics, Digestives, Desiccatives, Biological Reagents and Diagnostics, Dietetics, Cardiac Tonics, Diuretics, Diaphoretics, Expectorants, Hemostatics, Iodine Preparations, Mydriatics, Nutrients, Laxatives, Narcotics, Organotherapeutics, Ocytotics, Tonics and Vasotonics, Urinary Antiseptics, Uric-Acid Solvents, Vulneraries, Serums, and Vaccines; and Preservatives for Leather and Wood—Namely, Antiseptic Chemical Substances in Liquid or Paste Form Used as Preservatives and Sanitary Coatings or Dressings for Wood, Stone-work, Brickwork, and Metal.

Claims use since November, 1919.

Ser. No. 165,791. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GEO. R. GIBSON CO., New York, N. Y. Filed June 21, 1922.

SAN ASEPTIC

No claim made to the word "Aseptic" apart from the mark shown.

Particular description of goods.—Toothbrushes.

Claims use since Apr. 22, 1909.

Ser. No. 166,134. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Filed June 27, 1922.

VITA-YEAST

The word "Yeast" appearing on the drawing is disclaimed apart from the mark as shown.

Particular description of goods.—Food Tonic and General Stimulant to Cell Metabolism, Put Up in Tablet and Granular Form.

Claims use since Aug. 16, 1921.

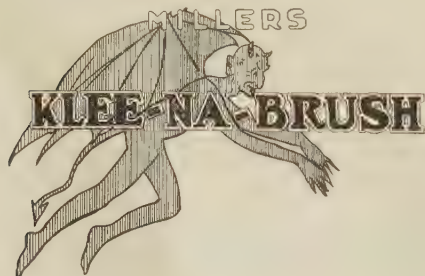
Ser. No. 166,498. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MICHAEL J. BROWN, Philadelphia, Pa. Filed July 5, 1922.

THE BROWNEE

Particular description of goods.—Fruit Presses.

Claims use since October, 1921.

Ser. No. 166,747. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ELMER F. MILLER, San Francisco, Calif. Filed July 11, 1922.



No claim made to the combined words "Klee-na-brush" apart from the mark shown. The lining on the drawing indicates the colors red and black.

Particular description of goods.—Paint Remover.

Claims use since Feb. 16, 1922.

Ser. No. 169,272. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALLIED GOLF COMPANY, Chicago, Ill. Filed Sept. 11, 1922.

John Potter

The trade-mark "John Potter" is the facsimile signature of Mr. John Potter, a golf-club manufacturer, and applicant files herewith the consent of Mr. Potter for the use of the signature in this trade-mark application.

Particular description of goods.—Golf Clubs.

Claims use since Aug. 23, 1922.

Ser. No. 169,510. (CLASS 7. CORDAGE.) G. F. WRIGHT STEEL & WIRE COMPANY, Worcester, Mass. Filed Sept. 15, 1922.

SUPERIOR
BRAND

Exclusive rights to the words "Superior" and "Brand" apart from the mark as shown on the drawing are hereby disclaimed.

Particular description of goods.—Wire Rope and Wire Clothesline.

Claims use since Mar. 1, 1922.

Ser. No. 169,626. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE DOMESTIC ELECTRIC COMPANY, Cleveland, Ohio. Filed Sept. 18, 1922.

Domestic

Particular description of goods.—Radio Apparatus—Namely, Telephone Receivers.

Claims use since about May, 1922.

Ser. No. 170,086. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PROT & CIE., doing business as Parfumerie Lubin, Paris, France. Filed Sept. 29, 1922.



In the drawing the words "Lubin" and "Paris" appearing upon a red background as shown, the apex of the design being red, the word "Paris" being disclaimed apart from the mark shown.

Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Face Lotion, Face Cream, and Rouge.

Claims use since May, 1920.

Ser. No. 171,061. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JESSIE ANN BOND, doing business as J. & A. Bond, Hamilton, Ontario, Canada. Filed Oct. 23, 1922.



The portrait appearing in the drawing is that of applicant. No claim is made to the exclusive use of the descriptive matter "Eczema Treatment, Full Directions on Wrapper, A Sure Relief for Eczema and All Skin Diseases," which is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Salve for the Relief of Eczema, Salt Rheum, Acne, Psoriasis, Running Sores, Barbers' Itch, Burns, Felons, and All Diseases of the Skin.

Claims use since April, 1917.

Ser. No. 171,473. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SATURN MFG. & SALES CO. INC., New York, N. Y. Filed Nov. 1, 1922.

SATURN



Particular description of goods.—Electric and Radio Telephone Jacks, Plugs, and Connections.

Claims use since Aug. 18, 1922.

Ser. No. 171,508. (CLASS 39. CLOTHING.) PARKER-BRIDGET COMPANY, Washington, D. C. Filed Nov. 2, 1922.

Parker
Boy

Particular description of goods.—Boys' Suits.
Claims use since Sept. 1, 1921.

Ser. No. 171,512. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) A. SCHRADER'S SON, INCORPORATED, Brooklyn, N. Y. Filed Nov. 2, 1922. Under ten-year proviso.

SCHRADER

Particular description of goods.—Pneumatic Valves, Pneumatic-Valve Casings, Valve Insides, Valve-Repair Tools, Valve Dust Caps, Pneumatic-Valve Caps, Pneumatic-Valve Nuts, Pneumatic-Valve Washers, Pneumatic-Valve Bushings, Pump Connections, Pump Couplings, Metallic Pneumatic Tubes or Chutes, Spreaders, Air Chucks, and Ferrules.

Claims use since Feb. 12, 1895.

Ser. No. 171,599. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE TEBBETTS AND GARLAND STORE, Chicago, Ill. Filed Nov. 4, 1922.

STEEPRITE

Particular description of goods.—Aluminum Teapots.
Claims use since Aug. 16, 1922.

Ser. No. 171,600. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE TEBBETTS AND GARLAND STORE, Chicago, Ill. Filed Nov. 4, 1922.

PERKRITE

Particular description of goods.—Aluminum Percolators.

Claims use since Aug. 16, 1922.

Ser. No. 171,799. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HOFFMAN BROS. Inc., doing business also as Hofbros W. Co., New York, N. Y. Filed Nov. 10, 1922.

HOFBROS W.CO.

Particular description of goods.—Watches, Clocks, Dials, Watch Movements and Parts Thereof, and Watch cases.

Claims use since about the middle of the year 1919.

Ser. No. 172,221. (CLASS 39. CLOTHING.) HAWLEY KNITTING MILLS, INC., New York, N. Y. Filed Nov. 18, 1922.



The words "Superior Quality" and "Scarfs-Shawls" are disclaimed apart from the mark shown.

Particular description of goods.—Knitted Outer Garments—Namely, Knitted Scarfs, Shawls, and Sweater Coats.

Claims use since about September, 1918.

Ser. No. 172,449. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TAPPAN STOVE CO., Mansfield, Ohio. Filed Nov. 23, 1922.



Particular description of goods.—Electric Ranges and Electric Stoves.

Claims use since Mar. 27, 1922.

Ser. No. 172,592. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WALTER C. GROSSER, doing business as Grosser Mfg. Co., Cleveland, Ohio. Filed Nov. 27, 1922.

FREFLO

Particular description of goods.—Faucets, Cocks, Fittings for Metal Barrels of the Drum Type, and Metal Pipe Fittings.

Claims use since Aug. 11, 1922.

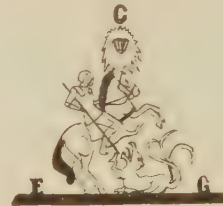
Ser. No. 172,732. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DARLING SWEETS, INC., Chicago, Ill. Filed Dec. 1, 1922.

DARLING

Particular description of goods.—Candy.

Claims use since Oct. 18, 1922.

Ser. No. 172,862. (CLASS 28. JEWELRY AND PRECIOUS METAL WARES.) ERNST CLAR, St. Georgental, Czechoslovakia. Filed Dec. 4, 1922.



Particular description of goods.—Rhinestones and Chatons.

Claims use since 1920.

Ser. No. 172,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN T. JONES, doing business as Jones Remedy Co., Grass Valley, Calif. Filed Dec. 6, 1922.

JOAN S SIRÔP BE-LÂGE

Trade mark consists of the words "Joan's Sirôp Be-lâge."

Particular description of goods.—A Preparation for Relief of Colds, Coughs, and Kindred Irritations of the Bronchial and Respiratory System, Grippe, and Influenza.

Claims use since Jan. 9, 1922.

Ser. No. 173,612. (CLASS 39. CLOTHING.) TAUBER, LIPTON & COMPANY, INC., New York, N. Y. Filed Dec. 20, 1922.

ARMISTICE

Trade-mark consists of the word "Armistice."

Particular description of goods.—Men's and Boys' Dress, Negligee, and Work Shirts, Pyjamas, and Night-shirts.

Claims use since Oct. 14, 1922.

Ser. No. 173,956. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RICHARD G. CUTHBERT, doing business as Globe Radio Manufacturing Co., New York, N. Y. Filed Dec. 29, 1922.

"GLORAD"

Particular description of goods.—Radio Receiving and Transmitting Sets.

Claims use since May 22, 1922.

Ser. No. 174,012. (CLASS 39. CLOTHING.) GEO. P. IDE & Co., Inc., Troy, N. Y. Filed Dec. 30, 1922.

Ideflex

Particular description of goods.—Collars for Shirts.

Claims use since Oct. 14, 1922.

Ser. No. 174,134. (CLASS 39. CLOTHING.) FRANKLIN CLOTHES SHOP, Inc., Washington, D. C. Filed Jan. 3, 1923.

Franklin Clothes Shop



The pictorial part of the mark includes a portrait of the distinguished American, now deceased, Benjamin Franklin. No claim is made to the words "Clothes Shop Inc., Clothes of Distinction for Men and Young Men" apart from the mark shown in the drawing.

Particular description of goods.—Men's Coats, Vests, Trousers, and Overcoats.

Claims use since Apr. 22, 1922.

Ser. No. 174,202. (CLASS 39. CLOTHING.) DEL MONTE-RICKEY, New York, N. Y. Filed Jan. 5, 1923.



The lining shown in the drawing represents shading only and not any particular color.

Particular description of goods.—Sport Clothes for Women—Namely, Sport Coats, Sport Suits, and Sport Jackets.

Claims use since Dec. 23, 1922.

Ser. No. 174,362. (CLASS 39. CLOTHING.) JULIUS GARFINKLE, doing business as Julius Garfinkle & Co., Washington, D. C. Filed Jan. 9, 1923.

GREENBRIER

Particular description of goods.—Ladies', Misses', and Girls' Suits, Dresses, Skirts, Coats, Waists, Sweaters, Riding Habits, Knickerbockers, Bathing Suits, Scarfs, Stockings, All-Leather Gloves and Gloves of All Fabric and Gloves of Combined Leather and Fabric, and Hats.

Claims use since Dec. 28, 1922.

Ser. No. 174,440. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUDE BROTHERS, KIEFFER COMPANY, New York, N. Y. Filed Jan. 11, 1923.



Particular description of goods.—Eggs.

Claims use since 1890.

Ser. No. 174,442. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUDE BROTHERS, KIEFFER COMPANY, New York, N. Y. Filed Jan. 11, 1923. Under ten-year proviso.

Gude's

Particular description of goods.—Butter and Eggs.

Claims use since 1890.

Ser. No. 174,443. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUDE BROTHERS, KIEFFER COMPANY, New York, N. Y. Filed Jan. 11, 1923.

DAISY

Particular description of goods.—Eggs.

Claims use since 1890.

Ser. No. 174,444. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUDE BROTHERS, KIEFFER COMPANY, New York, N. Y. Filed Jan. 11, 1923.

DAISY FARM

Particular description of goods.—Eggs.

Claims use since 1890.

Ser. No. 174,517. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LEO H. FELDMAN, New York, N. Y. Filed Jan. 12, 1923.

Unitall

Trade-mark consists of the arbitrary word "Unitall."
Particular description of goods.—Package Outfit Containing a Measured Quantity of Worsted, Silk, or Cotton Yarn Sufficient to Make a Garment or Other Article by Hand Knitting or Crocheting and Directions, Needles, Button Molds, Buttons, and Soles Required to Complete Said Garment or Other Article.

Claims use since Dec. 1, 1922.

Ser. No. 174,554. (CLASS 37. PAPER AND STATIONERY.) THE CINCINNATI CORDAGE & PAPER CO., Cincinnati, Ohio. Filed Jan. 13, 1923.

ACME

Particular description of goods.—Writing Paper.
Claims use since 1921.

Ser. No. 174,560. (CLASS 39. CLOTHING.) H. H. COOPER & Co., Inc., Utica, N. Y. Filed Jan. 13, 1923.

Dunshire

Particular description of goods.—Clothing—Namely, Suits, Topcoats, and Ulsters for Men.

Claims use since Dec. 23, 1922.

Ser. No. 174,642. (CLASS 39. CLOTHING.) THE SUPERIOR ATHLETIC UNDERWEAR COMPANY, Piqua, Ohio. Filed Jan. 15, 1923.

ICYCLE CLOTH

No claim is made for the word "Cloth" apart from the mark as shown on the drawing.

Particular description of goods.—Men's, Women's and Children's Union Suits, Combination Suits, Undershirts, and Underdrawers Made of Both Knitted and Woven Fabric.

Claims use since on or about Dec. 11, 1922.

Ser. No. 174,654. (CLASS 39. CLOTHING.) CHESTER KNITTING MILLS, St. Louis, Mo. Filed Jan. 16, 1923.

Sweetheart

Trade-mark consists of the word "Sweetheart."

Particular description of goods.—Hosiery.

Claims use since 1915.

Ser. No. 174,753. (CLASS 39. CLOTHING.) RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 18, 1923.

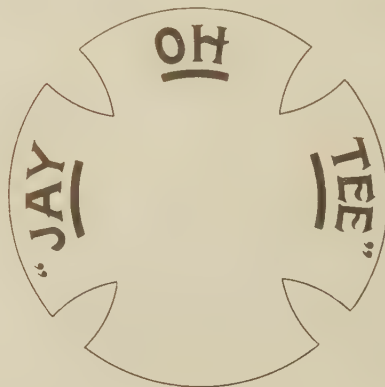


In the trade-mark the rectangle and the legend "Old Faithful" are in blue, the diamond-shaped figure is in red, and the broken lines between the diamond-shaped figure and the rectangle are blue.

Particular description of goods.—Men's Work Shirts.

Claims use since Feb. 16, 1922.

Ser. No. 174,757. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH O. TANEYHILL, New York, N. Y. Filed Jan. 18, 1923.



Particular description of goods.—Crystallized and Preserved Ginger, Chutney, Honey, Preserved Kumquats, and Glacé Fruits.

Claims use since Dec. 28, 1922.

Ser. No. 174,894. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed Jan. 22, 1923.

The Nonchalant

Particular description of goods.—Men's Dress Suits, Tuxedo Suits, Full-Dress Suits, Dinner, Dance, and Theater Jackets, Raincoats, Overcoats, Hats, Sweaters, Coats, Trousers, Vests, and Knickerbockers.

Claims use since Nov. 1, 1922.

Ser. No. 174,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM T. JOHNS, doing business as Texas Chemical & Specialty Co., Fort Worth, Tex. Filed Jan. 22, 1923.



Particular description of goods.—Insecticide and Deodorant.

Claims use since June 8, 1922.

Ser. No. 174,943. (CLASS 39. CLOTHING.) THE STANDARD TENT & AWNING COMPANY, doing business as The Standard Garment Company, Toledo, Ohio. Filed Jan. 22, 1923.

GREAT LAKES

Particular description of goods.—Men's Working Pants, Overalls, Jumpers, and Work Shirts and Children's Overalls and Rompers.

Claims use since about Jan. 1, 1919.

Ser. No. 174,979. (CLASS 39. CLOTHING.) SCHOLDERER & AUG, INC., New York, N. Y. Filed Jan. 23, 1923.

Stately Clothes

No claim is made to the exclusive use of the word "Clothes" apart from the mark shown.

Particular description of goods.—Men's and Young Men's Suits and Overcoats.

Claims use since December, 1922.

Ser. No. 175,063. (CLASS 39. CLOTHING.) BLUE-RIBBON KNITTING MILLS, INC., Waltham, Mass. Filed Jan. 25, 1923.

Blue Ribbon

Particular description of goods.—Knitted Bathing Suits.

Claims use since Apr. 7, 1922.

Ser. No. 175,195. (CLASS 39. CLOTHING.) HERMAN B. HOFFMAN, New York, N. Y. Filed Jan. 27, 1923.

Teddycoat

Particular description of goods.—Women's Undergarments, the Same Being Combinations of Petticoat and Envelope Chemise of Cotton Textile Fabric, Silk Textile Fabric, Near-Silk Textile Fabric, Silk Knitted Fabric, and Near-Silk Knitted Fabric.

Claims use since Jan. 12, 1923.

Ser. No. 175,211. (CLASS 39. CLOTHING.) THE POL-LAK BROS. COMPANY, Fort Wayne, Ind. Filed Jan. 27, 1923.



The portrait on the drawing is fanciful.

Particular description of goods.—Dresses and Waists.

Claims use since Dec. 5, 1922.

Ser. No. 175,225. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE T-N-T SPARK PLUG COMPANY, Cleveland, Ohio. Filed Jan. 27, 1923.

T-N-T

Particular description of goods.—Spark Plugs.

Claims use since Apr. 15, 1922.

Ser. No. 175,287. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAILES-PLATTER GROCER CO., Fort Worth, Tex. Filed Jan. 26, 1923.



Particular description of goods.—Canned Goods—Name-ly, Peaches, Egg Plums, Black Cherries, Black Raspberries, Red Raspberries, Golden Wax Beans, Sugar Corn, Stringless Beans, Apple Butter, Tunny, Spinach, Pine-apple, Succotash, Red Kidney Beans, Oysters, Pears, Grapes, Pitted Red Cherries, Strawberries, Apricots, Lima Beans, Pork and Beans, Baked Beans, Asparagus Tips, Okra, Soup, Vegetables for Soup, Shrimp, Green Gage Plums, Royal Anne Cherries, Gooseberries, Blackberries, Okra and Tomatoes, Boiled Cabbage, Beets, Asparagus, Peas, Pumpkin, Tomatoes, Salmon, and Lunch Peas; Bottled Goods—Namely, Pepper Sauce, Maple Sirup, Salad Dressing, Olives, Ripe Olives, Vinegar, and Catch-

up; Packaged Goods—Namely Mince-meat, Rolled Oats, Chocolate, Lemon Peel, Tea, Raisins, Coffee, Hominy, Orange Peel, Currants, Coconut, Citron, and Potted Meat with Cereal (Used as a Binder); Sorghum, and Fruit Jam, Fruit Jelly, Fruit Preserves, Preserved Figs, and Peanut Butter in Jars and Glasses.

Claims use since 1885.

Ser. No. 175,298. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BONNIE ROLAND CASWELL, Wilmington, Del. Filed Jan. 30, 1923.

Motor Saltz

Particular description of goods.—Motor Saltz (a Motor Energizer).

Claims use since Nov. 1, 1922.

Ser. No. 175,344. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHADWICK-BOSTON LEAD COMPANY, Boston, Mass. Filed Jan. 31, 1923.



So far as possible the coloring actually used is indicated on the drawing, the official lining for yellow being employed to indicate gold, the barrel, the streamer below it, some of the letters, and part of the background on the shield being gold and the shield red.

Particular description of goods.—White Lead, Dry and in Oil.

Claims use since about 1840.

Ser. No. 175,357. (CLASS 39. CLOTHING.) JACOB & SCHEY, New York, N. Y. Filed Jan. 31, 1923.



**MOTHER HUBBARD
HOSE**

**Built for Comfort
and Durability**

No claim made to the exclusive use of the words "Hose Built for Comfort and Durability" apart from the mark as shown in the drawing.

Particular description of goods.—Hosiery.

Claims use since July, 1921.

Ser. No. 175,360. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) S. LIEBMAN'S SONS, INC., Brooklyn, N. Y. Filed Jan. 31, 1923.



Particular description of goods.—Malt Beverage Containing Less Than One-Half of One Per Cent of Alcohol, by Volume.

Claims use since Dec. 2, 1922.

Ser. No. 175,398. (CLASS 39. CLOTHING.) JOSEPH BROS., doing business as United Kimono Co., New York, N. Y. Filed Feb. 1, 1923.



No claim made to the words "Manufacturers of Kimonos, Bath Robes" apart from the mark as shown.

Particular description of goods.—Kimonos, Bath Robes, Petticoats, Aprons, and Flannel Gowns.

Claims use since 1913.

Ser. No. 175,454. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARTISTS BRUSH AND COLOR CORPORATION, New York, N. Y. Filed Feb. 3, 1923.

ABACCO

Particular description of goods.—Artists' Materials—Namely, Ready-Mixed Paints, Including Varnish, Paint Enamels, and Pigment Colors.

Claims use since November, 1921.

Ser. No. 175,507. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MARCEL M. MIRABEAU, doing business as Lissauer & Company, New York, N. Y. Filed Feb. 3, 1923.



PANSY

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches.

Claims use since July 1, 1891.

Ser. No. 175,555. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HALL, THRALLS & Co., Hymera, Ind. Filed Feb. 5, 1923.

RUBICON

Particular description of goods.—Shampoo, Scalp Oil, Dandruff Ointment, Hair Oil, and Skin Lotion.

Claims use since November, 1922.

Ser. No. 175,557. (CLASS 39. CLOTHING.) HOWARD HOSE AND GARTER MFG. Co., Los Angeles, Calif. Filed Feb. 5, 1923.

Novelette

Particular description of goods.—Hosiery and Garters.

Claims use since Dec. 21, 1922.

Ser. No. 175,599. (CLASS 39. CLOTHING.) DUGAN & HUDSON Co., Rochester, N. Y. Filed Feb. 6, 1923.



No claim made to the exclusive use of the pictorial representation of a shoe, or the phrases, "Instant Adjustment, Quick Relief" apart from the mark shown.

Particular description of goods.—Leather Shoes.

Claims use since Nov. 14, 1922.

Ser. No. 175,681. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SETHNESS COMPANY, Chicago, Ill. Filed Feb. 7, 1923.

CHERRYETTE

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Sirups for Making the Same.

Claims use since June 1, 1922.

312 O. G.—14

Ser. No. 175,754. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN ELECTRIC EQUIPMENT Co., Inc., New York, N. Y. Filed Feb. 9, 1923.

AMELECO

Particular description of goods.—Portable Electric Lamps and Parts Thereof, and Brackets, Stands, and Clamps Therefor.

Claims use since Dec. 1, 1922.

Ser. No. 175,755. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN ELECTRIC EQUIPMENT Co., Inc., New York, N. Y. Filed Feb. 9, 1923.

CALCULITE

Particular description of goods.—Portable Electric Lamps and Parts Thereof, and Brackets, Stands, and Clamps Therefor.

Claims use since Dec. 1, 1922.

Ser. No. 175,758. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN ELECTRIC EQUIPMENT Co., Inc., New York, N. Y. Filed Feb. 9, 1923.

TYPE-RIGHT-LITE

Particular description of goods.—Portable Electric Lamps and Parts Thereof, and Brackets, Stands, and Clamps Therefor.

Claims use since Dec. 1, 1922.

Ser. No. 175,792. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOME LIGHTING EQUIPMENT CORPORATION, New York, N. Y. Filed Feb. 9, 1923.

HAN-DE-LITE

Particular description of goods.—Portable Electric Lamps and Parts Thereof, and Brackets, Stands, and Clamps Therefor.

Claims use since Dec. 1, 1922.

Ser. No. 175,819. (CLASS 39. CLOTHING.) CHILDS SPECIALTY HOUSE, Union City, Tenn. Filed Feb. 10, 1923.

Homade

Particular description of goods.—Wearing Apparel for Men, Women, and Children, Comprising One, Two, and Three Piece Wash and Silk Dresses; Coats; Silk, Cotton, and Wool Underwear, Said Underwear Being Both of Knitted and Textile Fabric, and Silk Gloves.

Claims use since 1917.

Ser. No. 175,866. (CLASS 39. CLOTHING.) ARTHUR HARTMAN, New York, N. Y. Filed Feb. 10, 1923.

BOND STREET

Particular description of goods.—Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since 1914.

Ser. No. 175,867. (CLASS 39. CLOTHING.) ARTHUR HARTMAN, New York, N. Y. Filed Feb. 10, 1923.

THE SHIRT WITH THE BOND

Particular description of goods.—Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since 1914.

Ser. No. 175,868. (CLASS 39. CLOTHING.) ARTHUR HARTMAN, New York, N. Y. Filed Feb. 10, 1923.

BOND STREET

THE SHIRT WITH THE BOND

Particular description of goods.—Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since 1914.

Ser. No. 175,893. (CLASS 39. CLOTHING.) STERN, MERRITT CO. INC., New York, N. Y. Filed Feb. 10, 1923.

SURETY

Particular description of goods.—Neckties.
Claims use since Jan. 1, 1920.

Ser. No. 175,894. (CLASS 39. CLOTHING.) STERN, MERRITT CO. INC., New York, N. Y. Filed Feb. 10, 1923.

PICCADDILY

Particular description of goods.—Neckties.
Claims use since Jan. 1, 1920.

Ser. No. 175,970. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOSEPH J. SWAYNE, doing business as Jo-Lo Rug Cleaning Mfg. Co., Philadelphia, Pa. Filed Feb. 12, 1923.

JO-LO

Particular description of goods.—Compound for Cleaning Rugs.
Claims use since Jan. 30, 1922.

Ser. No. 175,990. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO INCORPORATION, New York, N. Y. Filed Feb. 13, 1923.

KEMOLITE

NATURE'S OWN
RADIO-ACTIVE
BEAUTY PLASMA.

No claim is made to the words "Nature's Own Radio-Active Beauty Plasma."

Particular description of goods.—Face Cream.
Claims use since January, 1921.

Ser. No. 176,029. (CLASS 39. CLOTHING.) MALLAS CRAVIS CO., New York, N. Y. Filed Feb. 14, 1923.

MALCRA

Particular description of goods.—Women's and Misses' Dresses.
Claims use since Jan. 11, 1923.

Ser. No. 176,049. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. JACOB SHANNON & Co., Philadelphia, Pa. Filed Feb. 14, 1923.



Particular description of goods.—Derrick and Parts Thereof; Cranes and Parts Thereof, Steam Shovels and Parts Thereof, Air Compressors, Hoisting Apparatus and Parts Thereof; Air and Steam Pumps and Parts Thereof, Concrete-Mixing Apparatus, Asphalt Dippers, Steam and Explosion Engines and Parts Thereof, Winches, Sheaves, Blocks, Pulleys, Travelers, Trolleys, Windlasses, Hoisting Tripods, Pile-Driving Apparatus, Ore and Rock Crushers, Saws, Saw Benches and Parts Thereof, Pneumatic Percussive and Rotary Tools, Mandrels, Pumping Outfits; Hand and Power Hammers, Drills, Borers, Cutters, Punchers, Grindstones, Lawn Mowers, and Rollers; Road Making and Road Repairing Machinery, Apparatus, and Parts Thereof; Sawmills, Blacksmiths' Blowers, Bellows,

Turntables, Grappling Tools and Devices, Hawsing Irons and Beetles, Plows, Scoops, Dump Buckets, Street Sweepers and Sprinklers, Manure Spreaders, Slaters' Tools, Mortar and Cement Tools, Ironworker's Tools, Tampers, Vises, Clamps, Hammers, Sledges, Mallets, Axes, Adzes, Hatchets, Cleavers, Hoes, Rakes, Spades, Shears, Shovels, Mattocks, Picks, Industrial Forks and Knives, Scythes, Potato and Manure Hooks, Bail Hooks, Ice Hooks, Jacks, Power Whistles, Knife and Edge Tools, Sharpening Machinery; Tube Cutters, Cleaners, and Expanders; Bull Wheels, Pliers, Boring Tools, Tool Braces, Boring Bits, Augers, Drill Steels, Handles for Tools, Wrenches, Stonecutters' Tools; Rail Straightening, Cutting, and Bending Devices and Parts; Car Replacers and Movers, Anvil Tools, Awls, Files, Chisels, Countersinks, Creasers, Boiler Room and Blacksmiths' Fire Sets, Speed and Pressure Regulators, Oil and Grease Cups, Lubricators, Injectors and Ejectors, Pipe-Cutting Tools, Stocks, Dies and Plates, Chucks, Asphaltum Tools, Blasting Mats; Brick, Mortar, and Sewer Hods; Sand and Gravel Screens and Sieves, Wood Planes, Reamers, Screw Drivers, Taps, Gimlets, Metal-Grinding Machines; Bolt, Rivet, and Horse Clippers; Cutting Nippers, Pincers, Spike Pullers, Saw Sets, Farriers' Tools, Melting Ladles, Shaft Hangers, Shuffling, Locomotives, Soldering Coppers; Sailors' and Sailmakers' Palms, Calking Tools, Lobster Claws and Rigger Screws, Dollies, Grinding-Wheel Dressers, Washer Cutters, Trench Braces and Parts Thereof, Crowbars and Like Tool Bars, Pipe-Spreading Tools and Parts Thereof.

Claims use since 1888.

Ser. No. 176,095. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 15, 1923. Under ten-year proviso.

AMERICAN

Particular description of goods.—Lye.

Claims use since 1854.

Ser. No. 176,096. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 15, 1923. Under ten-year proviso.



Particular description of goods.—Lye.

Claims use since 1854.

Ser. No. 176,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 15, 1923. Under ten-year proviso.



Particular description of goods.—Lye.

Claims use since 1854.

Ser. No. 176,185. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. T. HURSH & CO., Mansfield, Ohio. Filed Feb. 17, 1923.

VITAZONE

Particular description of goods.—Vegetable Compound and System Blood Purifier.

Claims use since Dec. 1, 1913.

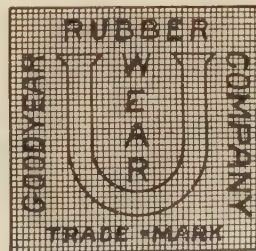
Ser. No. 176,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STOLZ BROS. DAVIS COMPANY INCORPORATED, Syracuse, N. Y. Filed Feb. 17, 1923.

Elsner

Particular description of goods.—Cough Mixture.

Claims use since Jan. 29, 1891.

Ser. No. 176,337. (CLASS 39. CLOTHING.) GOODYEAR RUBBER COMPANY, Middletown, Conn. Filed Feb. 20, 1923.



No claim is made to the use of the words "Trade Mark" and "Goodyear Rubber Company" apart from the mark shown on the drawing. The lining on drawing indicates the color black.

Particular description of goods.—Rubber Boots and Shoes and Arctic Overshoes.

Claims use since Jan. 18, 1923.

Ser. No. 176,342. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) JACOB GROSSMAN, doing business as Giant Umbrella Co., New York, N. Y. Filed Feb. 20, 1923.

"STAR GIANT"

Particular description of goods.—Umbrellas and Parasols.

Claims use since about 1910.

Ser. No. 176,357. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PALISADE MANUFACTURING COMPANY, Yonkers, N. Y. Filed Feb. 20, 1923.

VELVET-SKIN

Particular description of goods.—Soap.

Claims use since Apr. 10, 1889.

Ser. No. 176,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VINCENT M. CORSO, doing business as The Hare Manufacturing Company, Hartford, Conn. Filed Feb. 23, 1923.



Particular description of goods.—Hair Tonics.

Claims use since Jan. 1, 1920.

Ser. No. 176,505. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK G. SHAW, Brooklyn, N. Y. Filed Feb. 23, 1923.

'Muscabane'

Trade-mark consists of the word "Muscabane."

Particular description of goods.—Cream to be Applied to the Skin as an Insect Repellent.

Claims use since April, 1922.

Ser. No. 176,611. (CLASS 17. TOBACCO PRODUCTS.) JOSEPH FARFAGLIA & Co., Canastota, N. Y. Filed Feb. 26, 1923.



No claim made to the word "Sigari" apart from the mark shown.

Particular description of goods.—Cigars and Smoking Tobacco.

Claims use since Nov. 29, 1922.

Ser. No. 176,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN ANTONIO DRUG CO., San Antonio, Tex. Filed Feb. 26, 1923.

MOUNTAIN PINE

Particular description of goods.—Sirup for the Relief of Coughs, Colds, and Bronchitis.

Claims use since January, 1912.

Ser. No. 176,710. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR W. BISHOP, doing business as King & Winston Products Co., St. Louis, Mo. Filed Feb. 28, 1923.



The portraits in the drawing are not of any living individuals and were thought out and designed to make one look like a king and the other like a doctor, and the name "King & Winston" was selected to use for it.

Particular description of goods.—Pile Balm and Tablets for Disorders of the Liver and Bowels.

Claims use since May 11, 1920.

Ser. No. 176,720. (CLASS 39. CLOTHING.) DALTON HOSIERY MILLS, Dalton, Ga. Filed Feb. 28, 1923.

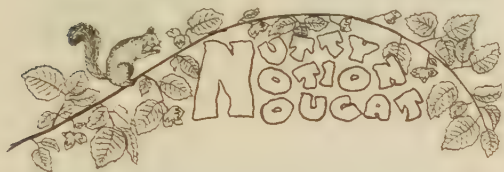
DAYDREAM

Trade-mark consists of the word "Daydream."

Particular description of goods.—Hosiery.

Claims use since Sept. 5, 1922.

Ser. No. 176,731. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY DILAS, doing business as The Arcadia, Bay City, Mich. Filed Feb. 28, 1923.



Particular description of goods.—Candy.
Claims use since Nov. 21, 1922.

Ser. No. 176,904. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCGOVERN & MCGOVERN, Seattle, Wash. Filed Mar. 3, 1923.

Princess Pat

Particular description of goods.—Canned Salmon.
Claims use since Jan. 23, 1923.

Ser. No. 176,917. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY E. RITTER & MARY V. GORDON, Selinsgrove, Pa. Filed Mar. 3, 1923.

RIT-GOR

Particular description of goods.—Cancer Salve.
Claims use since Jan. 15, 1923.

Ser. No. 177,032. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. BOLDOC, doing business as G. J. Bolduc & Company, Portland, Oreg. Filed Mar. 6, 1923.



No claim is made to the wording on the drawing apart from the mark shown excepting the word "Mother's" and "G. J. Bolduc Co."

Particular description of goods.—Cough Drops and Lozenges.

Claims use since Jan. 15, 1923.

Ser. No. 177,036. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALBERT J. COLE, doing business as Three-In-One Lantern Company, Denver, Colo. Filed Mar. 6, 1923.



No claim is made to the words "Safe," "Durable," and "Economical" apart from the mark as shown.

Particular description of goods.—Electric Lanterns.
Claims use since October, 1921.

Ser. No. 177,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GOTHAM CORPORATION, New York, N. Y. Filed Mar. 6, 1923.



Particular description of goods.—Preparations for the Treatment of Constipation and Its Symptoms, Such as Headache, Sluggishness, Poor Appetite, Indigestion, Biliousness, Sour Stomach, Gas, and Halitosis.

Claims use since Feb. 20, 1923.

Ser. No. 177,044. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MASTER RULE MFG. CO. INC., New York, N. Y. Filed Mar. 6, 1923.

Master

Particular description of goods.—Rules, Folding Rules, and Extension Rules.

Claims use since 1918.

Ser. No. 177,062. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ANACONDA COPPER MINING COMPANY, New York, N. Y. Filed Mar. 7, 1923.

ANACONDA

Particular description of goods.—Brass Tubes, Copper Tubes, Low-Brass Seamless Tubes, Copper Seamless Tubes, Condenser Tubes, Brazed Brass and Copper Tubes, and Nickel-Silver Seamless Tubes.

Claims use since May 1, 1922.

Ser. No. 177,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHAEL W. SHEFFTEL, doing business as Rheumatism Company, Stigler, Okla. Filed Mar. 7, 1923.



The portrait shown is of the applicant.

Particular description of goods.—Liniment for Use in the Treatment of Rheumatism, Headache, Toothache, Cramps, Bruises, Piles, Influenza, and Heart Trouble.

Claims use since Mar. 1, 1922.

Ser. No. 177,194. (CLASS 39. CLOTHING.) NATIONAL SHIRT SHOPS, INC., New York, N. Y. Filed Mar. 9, 1923.

N.S.S. INC.

Particular description of goods.—Men's Suits, Coats, Vests, Trousers, Overcoats, Bath Robes, House Gowns, Bathing Suits, Dress Shirts, Negligee Shirts, Work Shirts, Pyjamas, Underwear of Knitted and Woven Material, Caps, Socks, Stockings, Slippers Made of Rubber and Fabric, Mufflers, Collars, Cuffs, Neckties, and Leather and Fabric Gloves.

Claims use since Apr. 1, 1920.

Ser. No. 177,252. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNCHOKEABLE PUMP, LIMITED, London, England. Filed Mar. 10, 1923.

CORMORANT

Particular description of goods.—Pumps.

Claims use since Mar. 9, 1921.

Ser. No. 177,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VERNON C. GETZ, doing business as The Wonderlay Company, Indianapolis, Ind. Filed Mar. 12, 1923.

CHIK-TEE

Particular description of goods.—Liquid Antiseptic Drink for Chicks.

Claims use since Feb. 1, 1923.

Ser. No. 177,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) P. JOSEPH GILLEN, doing business as Mentho-Kreoamo Company, Clinton, Ill. Filed Mar. 12, 1923.



Particular description of goods.—Medicinal Preparation for the Treatment of Pneumonia, Flu, Colds, Bronchitis, and Tuberculosis.

Claims use since Jan. 1, 1922.

Ser. No. 177,306. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HYMAN LEVITAN, Boston, Mass. Filed Mar. 12, 1923.



No claim is made to the word "Pearls" or to the words "De Luxe" apart from the mark as shown in the drawing. The drawing is lined to indicate a background of blue.

Particular description of goods.—Artificial Pearls.

Claims use since Feb. 3, 1923.

Ser. No. 177,312. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MERCK & Co., New York, N. Y. Filed Mar. 12, 1923.

NARPHOQUIN

Trade-mark consists of the word "Narphoquin."

Particular description of goods.—Soporific.

Claims use since Sept. 20, 1922.

Ser. No. 177,313. (CLASS 39. CLOTHING.) JOHN C. MICHAEL COMPANY, Chicago, Ill. Filed Mar. 12, 1923.



Particular description of goods.—Women's, Misses', and Children's Wash Dresses and Aprons.

Claims use since Jan. 20, 1923.

Ser. No. 177,359. (CLASS 39. CLOTHING.) CHIPMAN KNITTING MILLS, Easton, Pa. Filed Mar. 13, 1923.

"POM-POM"

Particular description of goods.—Hosiery.
Claims use since Mar. 2, 1923.

Ser. No. 177,379. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Mar. 13, 1923.

EN VISITE

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brillian-tine, Face Cream, Lotion for the Skin and Hair, and Rouge.

Claims use since Mar. 1, 1923.

Ser. No. 177,419. (CLASS 39. CLOTHING.) ANDREW A. WUEST, Cincinnati, Ohio. Filed Mar. 13, 1923.

NIP-N-TUCK



Particular description of goods.—Boys' and Girls' Hosiery.

Claims use since Mar. 23, 1921.

Ser. No. 177,428. (CLASS 39. CLOTHING.) CROOKER & MORSE, INC., Bridgewater, Mass. Filed Mar. 14, 1923.

Isis

Particular description of goods.—Boots and Shoes Made of Leather, Fabric, or a Combination of Leather and Fabric.

Claims use since Mar. 1, 1923.

Ser. No. 177,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L & W MFG. COMPANY, Vincennes, Ind. Filed Mar. 14, 1923.

INGRO-NAIL



Particular description of goods.—Medicine for the Treatment of Ingrowing Toenails.

Claims use since Nov. 20, 1922.

Ser. No. 177,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. MATHEWS, doing business as The Mathews Medical Company, San Francisco, Calif. Filed Mar. 14, 1923.

HERCOL

Particular description of goods.—Medical Tonic in Liquid Form for Use in the Treatment of Anæmia, Debility, Stomach Derangements, Kidney Affections, Impure Blood, Boils, Rheumatic Tendencies, Catarrhal Troubles, Dizziness, Biliousness, and Malaria.

Claims use since July 1, 1922.

Ser. No. 177,462. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEPHENS-BRADLEY COMPANY, Lindale, Ga. Filed Mar. 14, 1923.



Particular description of goods.—Kidney and Bladder Pills.

Claims use since Dec. 11, 1922.

Ser. No. 177,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRASER MILK PRODUCTS CO., INC., Fraser, N. Y. Filed Mar. 15, 1923.

FRASERLAK

Trade-mark consists of the word "Fraserlak."

Particular description of goods.—Powdered Milk and Baby Foods.

Claims use since about Jan. 1, 1923.

Ser. No. 177,487. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. & S. PRODUCTS Co., Millville, N. J. Filed Mar. 15, 1923.

CUT-I-HEAL

Particular description of goods.—Waterproof and Antiseptic Preparation for the Treatment of Cuts, Cracks, and Abrasions of the Skin.

Claims use since on or about Mar. 15, 1922.

Ser. No. 177,518. (CLASS 2. RECEPTACLES.) A. L. T. RUSTIC COMPANY, Belvidere, Ill. Filed Mar. 15, 1923.



Particular description of goods.—Ornamental Stone-work Articles, Such as Comprising Bird Bath, Vase, and Flower Boxes.

Claims use since Nov. 1, 1921.

Ser. No. 177,519. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN-I-SAL LABORATORIES, INC., Washington, D. C. Filed Mar. 15, 1923.

SAN-I DRI

Particular description of goods.—Preparation for the Prevention of Excessive Perspiration.

Claims use since December, 1921.

Ser. No. 177,598. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIRST TEXAS CHEMICAL MANUFACTURING COMPANY, Dallas, Tex. Filed Mar. 17, 1923.

CRE-SO-MUL

Particular description of goods.—Preparation for the Treatment of All Kinds of Chronic Bronchitis, Phthisis, and as a Gastrointestinal Antiseptic in Fermentative Gastritis and Enteritis.

Claims use since Nov. 8, 1922.

Ser. 177,617. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PHILADELPHIA STORAGE BATTERY CO., Philadelphia, Pa. Filed Mar. 17, 1923.



Particular description of goods.—Batteries and Battery Parts and Supplies—Namely, Plates, Wood Separators, Slot Retainers, Straps, Connectors, Terminals, Vent Caps, Jars, Covers, Wood Cases, and Sealing Compounds.

Claims use since about middle of September, 1922, upon batteries; since Mar. 1, 1923, upon battery parts.

Ser. No. 177,621. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARREN P. RASH CO., INC., Middlesboro, Ky. Filed Mar. 17, 1923.

War-Tabs

Particular description of goods.—Preparation for Neuralgia and Headache.

Claims use since September, 1922.

Ser. No. 177,626. (CLASS 39. CLOTHING.) LOUIS SHAPIRO, doing business as Louis Shapiro & Co., New York, N. Y. Filed Mar. 17, 1923.

ONE STEP

Trade-mark consists of the words "One Step."

Particular description of goods.—Men's Ready-Made Suits and Overcoats.

Claims use since Mar. 1, 1923.

Ser. No. 177,627. (CLASS 39. CLOTHING.) LOUIS SHAPIRO, doing business as Louis Shapiro & Co., New York, N. Y. Filed Mar. 17, 1923.

QUICK STEP

Trade-mark consists of the words "Quick Step."

Particular description of goods.—Men's Ready-Made Suits and Overcoats.

Claims use since Mar. 1, 1923.

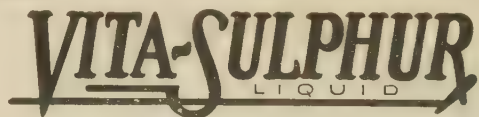
Ser. No. 177,630. (CLASS 39. CLOTHING.) STAMPER & KAISER, New York, N. Y. Filed Mar. 17, 1923.

Cameo

Particular description of goods.—Men's, Women's, and Children's Hosiery.

Claims use since Dec. 5, 1922.

Ser. No. 177,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VITA-SULPHUR COMPANY, Chicago, Ill. Filed Mar. 17, 1923.



The words "Sulphur" and "Liquid" apart from the mark shown are disclaimed for the purpose of this registration and without waiving any of applicant's common-law rights to the trade-mark.

Particular description of goods.—Liquid Medicinal Preparation Used Both Externally and Internally for the Treatment of Rheumatism, Neuritis, Sciatica, Lumbago, Gout, and Diseases of the Skin.

Claims use since January, 1920.

Ser. No. 177,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEARBORN SUPPLY COMPANY, Chicago, Ill. Filed Mar. 19, 1923.

BARCEL

Particular description of goods.—Shampoo Preparation to Help Keep the Hair and Scalp in a Clean Hygienic Natural Condition.

Claims use since June 28, 1922.

Ser. No. 177,657. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEARBORN SUPPLY COMPANY, Chicago, Ill. Filed Mar. 19, 1923.

Tarkroot

Particular description of goods.—Toilet Preparation in Powdered Form Which When Mixed With Lemon Juice, Cream, or Water and Applied to the Face Contracts and Hardens, Forming a Beauty Mask.

Claims use since Apr. 11, 1918.

Ser. No. 177,663. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRITZ RADIATOR CEMENT CO., Rhineland, Mo. Filed Mar. 19, 1923.

F-R-I-T-Z

Particular description of goods.—Product in Two Forms, Powder and Liquid, to be Used in Stopping Leaks in Cooling Systems of Automobiles, Motor Trucks, Tractors, and the Like and Commonly Called Radiator Cement in the Trade.

Claims use since Aug. 11, 1922.

Ser. No. 177,689. (CLASS 21. ELECTRICAL APPARATUS MACHINES, AND SUPPLIES.) JOHN ECKEL-KAMP, doing business as Parkview Electric Company, St. Louis, Mo. Filed Mar. 19, 1923.



Particular description of goods.—Electric Time Switches, Electric-Light Flashes, Electric Transformers, Electric Motors, Electric Rheostats, Electric Lamps, Electric Bell Ringers, Electric Annunciators, Electric Door Openers, Induction Coils, Batteries, Electrical Air-Heating Devices, Electrical Focusing Lamps.

Claims use since Jan. 1, 1922.

Ser. No. 177,697. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM SCHILPLIN, doing business as R. & H. E. Co., Seattle, Wash. Filed Mar. 19, 1923.

W I T C H

Particular description of goods.—Roach-Destroying Composition.

Claims use since Feb. 19, 1923.

Ser. No. 177,701. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN C. SLEATER CO., Inc., New York, N. Y. Filed Mar. 19, 1923.

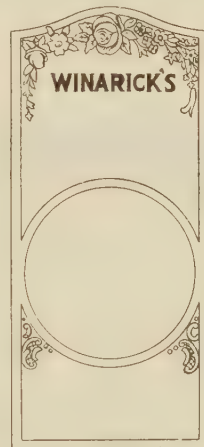


No claim made to the word "Linens" apart from the mark shown in the drawing.

Particular description of goods.—Tablecloths, Napkins, Doilies, Centerpieces, and Household Linens.

Claims use since Feb. 23, 1923.

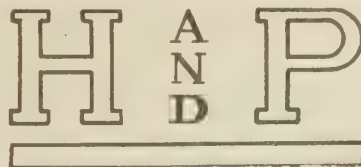
Ser. No. 177,720. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR WINARICK, New York, N. Y. Filed Mar. 19, 1923.



Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.

Claims use since Sept. 15, 1921.

Ser. No. 177,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETHICUS PROMPT TREATMENT KIT, Inc., New York, N. Y. Filed Mar. 20, 1923.



Particular description of goods.—Preparation for the Relief of Headache, Pain, Neuralgia, and Rheumatic Aches.

Claims use since Mar. 7, 1923.

Ser. No. 177,733. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY S. GILBERT, doing business as Berco Medicine Co., Louisville, Ky. Filed Mar. 20, 1923.



Particular description of goods.—Female General Tonic.
Claims use since Oct. 7, 1922.

Ser. No. 177,737. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE P. HALDY, Cedar Rapids, Iowa. Filed Mar. 20, 1923.

HAIRHOLD

Particular description of goods.—Preparation for Holding the Hair in Place and for Use in Massaging the Scalp.

Claims use since Mar. 16, 1921.

Ser. No. 177,745. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LARKIN AUTOMOTIVE PARTS COMPANY, Dayton, Ohio. Filed Mar. 20, 1923.



Without waiving any common-law rights to particular details of the mark shown when employed either separately or in combination no specific trade-mark claim is made for the representation of the grease gun per se apart from the other features of the mark as illustrated.

Particular description of goods.—Detachable Force-Feed Lubricating Apparatus, Parts and Fittings Thereof.
Claims use since Apr. 1, 1921.

Ser. No. 177,758. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AMERICAN INSECTICIDE Co., Lima, Ohio. Filed Mar. 21, 1923.

Knox=A=Fly

Particular description of goods.—Insecticide.
Claims use since about Jan. 1, 1923.

Ser. No. 177,839. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE LITTLE LIMITED, Manchester, England. Filed Mar. 22, 1923.

JACK HORNER

Particular description of goods.—Bacon, Hams, and Lard.

Claims use since June 1, 1922.

Ser. No. 177,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIMEON S. LEVY, doing business as La Fleur Laboratories, Cleveland, Ohio. Filed Mar. 22, 1923.

PERMA-WAVE

Particular description of goods.—Hair Dressing.
Claims use since Sept. 20, 1919.

Ser. No. 177,886. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ERNEST W. WOODS, Los Angeles, Calif. Filed Mar. 22, 1923.



Particular description of goods.—Liquid Waterproof Refinisher.

Claims use since Mar. 12, 1923.

Ser. No. 177,978. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KERR TURBINE Co., Wellsville, N. Y. Filed Mar. 24, 1923.



Applicant disclaims the exclusive right to the use of the words "Turbines" and "Gears" apart from the mark as shown.

Particular description of goods.—Turbines and Reduction Gears.

Claims use since Feb. 21, 1923.

Ser. No. 177,995. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. S. PIERCE Co., Boston, Mass. Filed Mar. 24, 1923.

RED

LABEL

Particular description of goods.—Canned Fruits and Canned Vegetables.

Claims use since Apr. 1, 1887.

Ser. No. 178,021. (CLASS 39. CLOTHING.) THE BARA CORPORATION, New York, N. Y. Filed Mar. 26, 1923.

ZAN-ANA

Particular description of goods.—Kimonos, Breakfast Gowns, Slip-Overs, and Dressing Sacks.

Claims use since Mar. 1, 1922.

Ser. No. 178,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESSENTIAL OIL COMPANY, New York, N. Y. Filed Mar. 26, 1923.



Particular description of goods.—Essential Oils Used in the Production of Perfumes.

Claims use since Jan. 3, 1923.

Ser. No. 178,083. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) M. ZIGELMAN, St. Louis, Mo. Filed Mar. 26, 1923.



No claim is made to the words "Brand" and "Malt Syrup" apart from the mark shown in the drawings.

Particular description of goods.—Malt Syrup.

Claims use since Oct. 26, 1920.

Ser. No. 178,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Mar. 27, 1923.

SOCOLENE

Particular description of goods.—Petroleum Jelly for Medicinal and Toilet Uses.

Claims use since Mar. 7, 1923.

Ser. No. 178,166. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CUMBERLAND CHEMICAL Co., Nashville, Tenn. Filed Mar. 28, 1923.

OVA-VITA

Particular description of goods.—Tonic Compound for Treating Diseases Peculiar to Women.

Claims use since Sept. 15, 1922.

Ser. No. 178,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CUMBERLAND CHEMICAL Co., Nashville, Tenn. Filed Mar. 28, 1923.

HEMMO-PILE

Particular description of goods.—Tablets and a Salve for Treating Hemorrhoids.

Claims use since Feb. 15, 1923.

Ser. No. 178,175. (CLASS 37. PAPER AND STATIONERY.) D. GESTETNER LIMITED, London, England. Filed Mar. 28, 1923.

D. Gestetner

Particular description of goods.—Duplicating Apparatus of the Type Employing Stencils and Accessories Thereto, Paper for Producing the Stencils, and Paper on Which the Stencils are Reproduced.

Claims use since 1883.

Ser. No. 178,199. (CLASS 39. CLOTHING.) WAYMART KNITTING MILL, Waymart, Pa. Filed Mar. 28, 1923.



Particular description of goods.—Sweater Coats.
Claims use since 1914.

Ser. No. 178,204. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN AGRICULTURIST, INC., New York, N. Y. Filed Mar. 29, 1923.

The HIRED MAN

Particular description of goods.—Periodical Publications Issued at Regular Intervals.
Claims use since Mar. 17, 1923.

Ser. No. 178,224. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHEN & ROSENBERGER INC., New York, N. Y. Filed Mar. 29, 1923.

MUSIC BOX

Particular description of goods.—Bracelets and Earrings.
Claims use since Mar. 9, 1923.

Ser. No. 178,227. (CLASS 39. CLOTHING.) JOHN A. CUSTER, doing business as Telltale Hosiery Co., Lansdale, Pa. Filed Mar. 29, 1923.



Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since January, 1921.

Ser. No. 178,252. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE JENQUINS LABORATORIES, Chicago, Ill. Filed Mar. 29, 1923.



Particular description of goods.—Cod-Liver-Oil Pills.
Claims use since Feb. 1, 1923.

Ser. No. 178,273. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OREGON BRASS WORKS, Portland, Oreg. Filed Mar. 29, 1923.

DUCTYL

Particular description of goods.—Journal Bearings.
Claims use since October, 1919.

Ser. No. 178,276. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORTHO MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 29, 1923.

ORTHODENT

Particular description of goods.—Liquid Dentifrice, a Pharmaceutical Preparation.
Claims use since Feb. 1, 1923.

Ser. No. 178,280. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE H. POUND, doing business as Tress Laboratories, Los Angeles, Calif. Filed Mar. 29, 1923.

"TRESS"

Particular description of goods.—Hair Tonic.
Claims use since December, 1922.

Ser. No. 178,282. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RADIO MOTION PICTURE PHON. CORP., Fall River, Mass., and Long Island City, N. Y. Filed Mar. 29, 1923.

RAMOPHONE

Particular description of goods.—Educational Appliances, Embracing Cabinets within Which are Disposed Radioreceivers, Motion-Picture Projectors, as Well as Phonographs and Motion-Picture Films.
Claims use since Dec. 1, 1922.

Ser. No. 178,285. (CLASS 39. CLOTHING.) RITHWEB MANUFACTURING COMPANY, INC., Yonkers, N. Y. Filed Mar. 29, 1923.



Particular description of goods.—Men's, Women's, and Children's Athletic Underwear and Knitted Underwear.
Claims use since 1918.

Ser. No. 178,286. (CLASS 39. CLOTHING.) RITEWEB MANUFACTURING COMPANY, INC., Yonkers, N. Y. Filed Mar. 29, 1923.



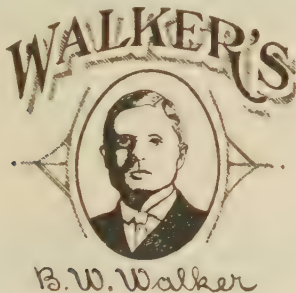
Particular description of goods.—Men's, Women's, and Children's Athletic Underwear and Knitted Underwear.
Claims use since 1914.

Ser. No. 178,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOUTHERN SPECIALTY COMPANY, Thomasville, Ga. Filed Mar. 29, 1923.

DEVILMENT

Particular description of goods.—Insecticide.
Claims use since 1917.

Ser. No. 178,293. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOUTHERN SPECIALTY COMPANY, Thomasville, Ga. Filed Mar. 29, 1923.



The portrait and signature shown in the drawing is that of B. W. Walker, deceased.
Particular description of goods.—Insecticide.
Claims use since 1917.

Ser. No. 178,314. (CLASS 39. CLOTHING.) JOSEPH P. VOORHEES, East Orange, N. J. Filed Mar. 29, 1923.

Charmette

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Dec. 22, 1922.

Ser. No. 178,321. (CLASS 39. CLOTHING.) ARMIN H. WITTENBERG, doing business as Mission Hosiery Mills, Los Angeles, Calif. Filed Mar. 29, 1923.

MISSION-KNIT

Particular description of goods.—Hosiery, Sweaters, and Knitted Underwear for Men, Women, and Children.
Claims use since Apr. 15, 1913.

Ser. No. 178,322. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WIZARD LIGHTFOOT APPLIANCE COMPANY, St. Louis, Mo. Filed Mar. 29, 1923.



Particular description of goods.—Zinc-Oxide Pads.
Claims use since Jan. 1, 1923.

Ser. No. 178,345. (CLASS 39. CLOTHING.) M. KIRSCHNER & SONS, New York, N. Y. Filed Mar. 30, 1923.

Daintimiss

Particular description of goods.—Cloaks, Suits, Dresses.
Claims use since Dec. 1, 1922.

Ser. No. 178,346. (CLASS 39. CLOTHING.) M. KIRSCHNER & SONS, New York, N. Y. Filed Mar. 30, 1923.

Margolaine

Particular description of goods.—Cloaks, Suits, Dresses.
Claims use since Dec. 1, 1922.

Ser. No. 178,367. (CLASS 39. CLOTHING.) MARTHA MAID MANUFACTURING COMPANY, INCORPORATED, Chicago, Ill. Filed Mar. 26, 1923.

DIXIE DANDY



Particular description of goods.—Children's Dresses
Claims use since 1920.

Ser. No. 178,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LISTERATED GUM CORPORATION, New York, N. Y. Filed Mar. 31, 1923.

ORBIT

Particular description of goods.—Chewing Gum.
Claims use since Mar. 22, 1923.

Ser. No. 178,433. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM E. DICKEY, Seneca Falls, N. Y. Filed Apr. 2, 1923.



The words "Auto-Pneumatic Water System" appearing in the mark are disclaimed by the applicant apart from the mark shown by the drawing.

Particular description of goods.—Automatic Pneumatic Water-Supply System.

Claims use since Nov. 1, 1922.

Ser. No. 178,449. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEVRING AND COMPANY, INCORPORATED, St. Louis, Mo. Filed Apr. 2, 1923.

MARATHON

Particular description of goods.—Cheese Color and Butter Color.

Claims use since October, 1922.

Ser. No. 178,455. (CLASS 39. CLOTHING.) NEWMAN, MARCUS & TORCHIA, Cincinnati, Ohio. Filed Apr. 2, 1923.

Mitzie

Particular description of goods.—Frocks.
Claims use since on or about Jan. 15, 1923.

Ser. No. 178,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGAN-IRON MEDICINE COMPANY, Omaha, Nebr. Filed Apr. 2, 1923.

NEBRATONE

Particular description of goods.—Medicine Used in Cases of Stomach, Liver, Kidney, and Bladder Trouble, Indigestion, Constipation, Biliousness, and Backache.

Claims use since Jan. 2, 1923.

Ser. No. 178,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGAN-IRON MEDICINE COMPANY, Omaha, Nebr. Filed Apr. 2, 1923.

NEBROL

Particular description of goods.—Medicine Used in Cases of Rheumatism, Sciatica, Lumbago, Colds, Coughs, Pleurisy, Hoarseness, Headache, Neuralgia, Toothache, Sprains, Sore Muscles, Stiff Neck or Joints, Backache, Lameness, and Chilblains.

Claims use since Jan. 2, 1923.

Ser. No. 178,461. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGAN-IRON MEDICINE COMPANY, Omaha, Nebr. Filed Apr. 2, 1923.

SANTAGLOBS

Particular description of goods.—Medicine Used in Cases of Kidney and Bladder Troubles, Acute and Chronic Inflammations of the Urinary Tract, and as a Urinary Antiseptic.

Claims use since Oct. 5, 1921.

Ser. No. 178,472. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER Co., New York, N. Y. Filed Apr. 2, 1923.

SILQUE

Particular description of goods.—Face and Hand Lotion.

Claims use since Mar. 29, 1923.

Ser. No. 178,499. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL R. DIGHTON, Savannah, Ga. Filed Apr. 3, 1923.

"LAXAFIDE"

Particular description of goods.—Medicinal Preparations for Colds and Constipation.

Claims use since Mar. 23, 1923.

Ser. No. 178,500. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CICERO FRANCIS FUTRELL, Conway, N. C. Filed Apr. 3, 1923.

LE-PEP-LINE

Particular description of goods.—Preparation for the Treatment of Piles.

Claims use since Jan. 5, 1918.

Ser. No. 178,504. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. NELLIE F. HOFFMAN, Brookings, S. Dak. Filed Apr. 3, 1923.

Hoffnel

Particular description of goods.—Medicine for the Treatment of Hog Cholera.

Claims use since Dec. 28, 1922.

Ser. No. 178,554. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CRYSTAL CHEMICAL CO. INC., New York, N. Y. Filed Apr. 4, 1923.

Crystal Z. B. T.

Particular description of goods.—Powder for Nursery and Toilet Use.

Claims use since Sept. 1, 1922.

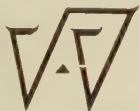
Ser. No. 178,563. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ & Co., INC., New York, N. Y. Filed Apr. 4, 1923.

HANSA

Particular description of goods.—Dyestuffs Applicable in Coloring and Printing Purposes.

Claims use since 1905.

Ser. No. 178,570. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SALON VIENNESE, New York, N. Y. Filed Apr. 4, 1923.



VAHDAH-VAHRAH

Particular description of goods.—Facial Oil and Ointment.

Claims use since Apr. 2, 1923.

Ser. No. 178,575. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STERLING PRICE TAYLOR, doing business as Taylor Drug Company, Mineral Wells, Tex. Filed Apr. 4, 1923.



Particular description of goods.—Liquid Dandruff Remover.

Claims use since July 20, 1922.

Ser. No. 178,580. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TURNER & SEYMOUR MANUFACTURING Co., Torrington, Conn. Filed Apr. 4, 1923.

BLUE WHIRL

Particular description of goods.—Egg Beaters.

Claims use since Mar. 27, 1923.

Ser. No. 178,592. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHLORO CHEMICAL CORPORATION, New York, N. Y. Filed Apr. 5, 1923.

FIRMA - CHLORO

Particular description of goods.—Liquid Medicants and Ointments for Antiseptic Uses and for Use as Surgical Disinfectants in the Treatment of Ulcers, Carbuncles, Boils, Abrasions, Infections, Inflammations, Burns, Sunburn, Ivy Poisoning, Cuts, Incisions, Skin Diseases, and Insect Bites.

Claims use since July, 1922.

Ser. No. 178,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. C. DE WITT & Co., INC., Chicago, Ill. Filed Apr. 5, 1923.



Particular description of goods.—Preparation for Removing Corns and Calluses.

Claims use since August, 1922.

Ser. No. 178,600. (CLASS 39. CLOTHING.) SAMUEL M. FOSTER COMPANY, Fort Wayne, Ind. Filed Apr. 5, 1923.

PIC-WIC

Particular description of goods.—Dresses and Waists.

Claims use since September, 1922.

Ser. No. 178,626. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. NOVACK, doing business as Colloidal Laboratories, Philadelphia, Pa. Filed Apr. 5, 1923.

COLODINE

Particular description of goods.—Liquid Iodine Preparation.

Claims use since March, 1915.

Ser. No. 178,676. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL A. SCHWARZE, doing business as Sindol Co., Woodhaven, N. Y. Filed Apr. 6, 1923.

Sindol

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.

Claims use since Apr. 2, 1923.

Ser. No. 178,797. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Bing-hamton, N. Y. Filed Apr. 9, 1923.

3 A

Particular Description of goods.—Photographic Films.

Claims use since Jan. 1, 1908.

Ser. No. 178,798. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Bing-hamton, N. Y. Filed Apr. 9, 1923.

4 A

Particular description of goods.—Photographic Films.

Claims use since Jan. 1, 1908.

Ser. No. 178,799. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Bing-hamton, N. Y. Filed Apr. 9, 1923.

7 A

Particular description of goods.—Photographic Films.

Claims use since Jan. 1, 1908.

Ser. No. 178,800. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Bing-hamton, N. Y. Filed Apr. 9, 1923.

8 A

Particular description of goods.—Photographic Films.

Claims use since Jan. 1, 1908.

Ser. No. 178,801. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Bing-hamton, N. Y. Filed Apr. 9, 1923.

18 A

Particular description of goods.—Photographic Films.

Claims use since Jan. 1, 1908.

Ser. No. 178,802. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Bing-hamton, N. Y. Filed Apr. 9, 1923.

26 A

Particular description of goods.—Photographic Films.

Claims use since Jan. 1, 1908.

Ser. No. 178,803. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Bing-hamton, N. Y. Filed Apr. 9, 1923.

6 B

Particular description of goods.—Photographic Films.

Claims use since Jan. 1, 1908.

Ser. No. 178,804. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

18 B

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,805. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

26 B

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1918.

Ser. No. 178,806. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

2 C

Particular description of goods.—Photographic Films.
Claims use since Feb. 10, 1912.

Ser. No. 178,807. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

7 C

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,958. (CLASS 39. CLOTHING.) EDWIN CRUTCHER, doing business as Golden Arrow Hosiery Mills, Nashville, Tenn. Filed Apr. 11, 1923.

Golden Arrow

Particular description of goods.—Hosiery.
Claims use since April, 1922.

312 O. G.—15

Ser. No. 179,078. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EDWARD E. ALLEN MFG. CO., Chicago, Ill. Filed Apr. 13, 1923.

ALLCO

Particular description of goods.—Wood Paste Filler, Oil Colors to be Used in Paint Mixing, Enamel for General Use, Wood Filler, Iron Enamel, Screen Paint, Flat Paint; Varnish Stain for Renewing Old Furniture, Woodwork, Floors, Etc.; Ready-Mixed Paint, an Enamel Which is of Particular Use for Refinishing Automobiles, Store Fronts, Boats, Chairs, Lawn Seats, Etc.; a Dressing in the Nature of a Paint for Mohair and Similar Materials, Especially for Use in Connection with the Under Lining of Automobile Tops, and a Dressing in the Nature of a Paint for Leather and Imitation Leather for Particular Use in Connection with Automobile Tops and Seats.

Claims use since Nov. 30, 1921.

Ser. No. 179,158. (CLASS 39. CLOTHING.) MILLER BROTHERS COMPANY, Chattanooga, Tenn. Filed Apr. 14, 1923.

MENDETTTE

The lines shown upon the drawing indicate shading.
Particular description of goods.—Hosiery.
Claims use since Mar. 19, 1923.

Ser. No. 179,166. (CLASS 39. CLOTHING.) FRANK ROBISON, doing business as All Star Hosiery Co., Birmingham, Ala. Filed Apr. 14, 1923.



Particular description of goods.—Silk Hosiery and Knitted or Woven Silk Underwear.
Claims use since Apr. 10, 1923.

Ser. No. 179,186. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed Apr. 16, 1923.



Particular description of goods.—Lacquers, Lacquer Thinners, and Lacquer Enamels.
Claims use since July 31, 1919.

Ser. No. 179,239. (CLASS 39. CLOTHING.) THE TEXTILE SHIRT COMPANY, Cincinnati, Ohio. Filed Apr. 16, 1923.

SEALTEX

Particular description of goods.—Men's Dress Shirts and Negligee Shirts.

Claims use since Apr. 2, 1923.

Ser. No. 179,241. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) OTTO THOMA, doing business as, Columbia Products Company, St. Louis, Mo. Filed Apr. 16, 1923.



The picture is purely fanciful.

Particular description of goods.—Malt Extract.

Claims use since about Jan. 1, 1920.

Ser. No. 179,255. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Apr. 17, 1923.

EMERALD POPLIN

No claim is made to the word "Poplin" aside from the mark as shown.

Particular description of goods.—Cotton Poplins in the Piece.

Claims use since Mar. 16, 1923.

Ser. No. 179,263. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed Apr. 17, 1923.



Particular description of goods.—Pipes, Cigar and Cigarette Holders, and Tobacco Pouches.

Claims use since July 1, 1916.

Ser. No. 179,267. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) W. W. GLECKNER & SONS Co., Canton, Pa. Filed Apr. 17, 1923.



Particular description of goods.—Harness, Collars, Saddlery, and Parts Thereof.

Claims use since Sept. 17, 1906.

Ser. No. 179,314. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUBURGER & COMPANY, New York, N. Y. Filed Apr. 18, 1923.

WEE KILTIES

Particular description of goods.—Gingham Piece Goods.

Claims use since Apr. 17, 1923.

Ser. No. 179,354. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) EDWIN E. CARNEAL, New Orleans, La. Filed Apr. 19, 1923.



Particular description of goods.—Nonalcoholic Maltless Beverage Sold as a Soft Drink.

Claims use since Apr. 1, 1923.

Ser. No. 179,376. (CLASS 39. CLOTHING.) MEIGS & Co. INC., Boston, Mass., and Bridgeport, Conn. Filed Apr. 19, 1923.

DUN-WODIE

Particular description of goods.—Overcoats.

Claims use since Sept. 1, 1922.

Ser. No. 179,414. (CLASS 39. CLOTHING.) THE LOVINGER-SCHWARTZ Co., Cleveland, Ohio. Filed Apr. 20, 1923.



Particular description of goods.—Ladies' Dresses.

Claims use since Apr. 7, 1923.

Ser. No. 179,463. (CLASS 39. CLOTHING.) THE M. WILBER DYER COMPANY, New York, N. Y. Filed Apr. 21, 1923.

Beautyama

Particular description of goods.—Pyjamas.
Claims use since Feb. 9, 1923.

Ser. No. 179,491. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) O. L. STANARD DRY GOODS Co., Huntington, W. Va. Filed Apr. 21, 1923.

Stangood

Particular description of goods.—Hair Nets.
Claims use since Apr. 10, 1923.

Ser. No. 179,495. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed Apr. 21, 1923.

Stormoguide

Particular description of goods.—Barometers.
Claims use since July 15, 1922.

Ser. No. 179,502. (CLASS 39. CLOTHING.) WASHINGTON MANUFACTURING Co., Nashville, Tenn. Filed Apr. 21, 1923.

UNCLE FULLER

Particular description of goods.—Work Shirts and Overalls.
Claims use since 1921.

Ser. No. 179,548. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTICAL SPECIALTY MANUFACTURING COMPANY, Southbridge, Mass. Filed Apr. 23, 1923.

Aristocrat

Particular description of goods.—Ophthalmic Mountings and Parts Thereof, Such as Bridges, Temples, Etc.
Claims use since 1910.

Ser. No. 179,557. (CLASS 39. CLOTHING.) ROBISCHON CORPORATION, New York, N. Y. Filed Apr. 23, 1923.

HONEYSUCKLE

Particular description of goods.—Hosiery.
Claims use since Sept. 1, 1922.

Ser. No. 179,592. (CLASS 39. CLOTHING.) EQUITY HOSIERY MILLS, New York, N. Y. Filed Apr. 24, 1923.

Equity

Particular description of goods.—Hosiery.
Claims use since February, 1920.

Ser. No. 179,621. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE G. M. PARKS COMPANY, Fitchburg, Mass. Filed Apr. 24, 1923.

PSYCHROSTAT

Particular description of goods.—Humidity Regulators.
Claims use since February, 1916.

Ser. No. 179,623. (CLASS 43. THREAD AND YARN.) ERNEST A. REED, New York, N. Y. Filed Apr. 24, 1923.



Particular description of goods.—Yarns.
Claims use since Apr. 2, 1923.

Ser. No. 179,632. (CLASS 39. CLOTHING.) THE WEISBAUM BROS.-LEININGER COMPANY, Cincinnati, Ohio. Filed Apr. 24, 1923.

"KING-TUTT"

Particular description of goods.—Neckties.
Claims use since Mar. 1, 1923.

Ser. No. 179,641. (CLASS 5. ADHESIVES.) THE ARABOL MANUFACTURING Co., New York, N. Y. Filed Apr. 25, 1923.

ARASTRIP

Particular description of goods.—Powdered Vegetable Glues.

Claims use since Apr. 2, 1923.

Ser. No. 179,642. (CLASS 5. ADHESIVES.) THE ARABOL MANUFACTURING Co., New York, N. Y. Filed Apr. 25, 1923.

ARATITE

Particular description of goods.—Powdered Vegetable Glues.

Claims use since Apr. 2, 1923.

Ser. No. 179,654. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BREINIG BROTHERS, INC., Hoboken, N. J. Filed Apr. 25, 1923.

Du-All

Particular description of goods.—Varnish.

Claims use since about July 1, 1921.

Ser. No. 179,678. (CLASS 37. PAPER AND STATIONERY.) THE PEERLESS MFG. Co., Norristown, Pa. Filed Apr. 25, 1923.



Walton



No claim made to the illustration of the rolls of paper apart from the mark shown. The shield is lined for shading only. The word "Walton" is lined for blue and the band for red.

Particular description of goods.—Toilet Paper.

Claims use since Feb. 1, 1923.

Ser. No. 179,679. (CLASS 37. PAPER AND STATIONERY.) THE PEERLESS MFG. COMPANY, Norristown, Pa. Filed Apr. 25, 1923.

SOFDOWN



No claim made to the illustration of the rolls of paper apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since Feb. 1, 1923.

Ser. No. 179,688. (CLASS 39. CLOTHING.) ELIZABETH M. THOMAS, doing business as E. M. Thomas Company, St. Louis, Mo. Filed Apr. 25, 1923.

Elizabeth

Particular description of goods.—Ladies' and Misses' Dresses.

Claims use since Mar. 1, 1921.

Ser. No. 179,708. (CLASS 5. ADHESIVES.) CAHILL & MALONE, doing business as Everite Patch Company, Toledo, Ohio. Filed Apr. 26, 1923.

EVERITE

Particular description of goods.—Tire-Repair Compounds, Adhesives for Uniting to Rubber, Leather, Cloth, Etc., Adhesive Cements and Rubber-Mending Cements, Compounds, and Adhesives.

Claims use since Apr. 16, 1923.

Ser. No. 179,844. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MORRIS A. BARR, Valley Forge, Pa. Filed Apr. 28, 1923.



The words "Valley Forge," "Springs Gems," "And Mineralized Rocks," and "Trade-Mark Reg. U. S. A." not being claimed apart from the other features of the mark.

Particular description of goods.—Semiprecious Stones.

Claims use since Sept. 1, 1922.

Ser. No. 179,847. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BLUM & MITTENTHAL, New York, N. Y. Filed Apr. 28, 1923.

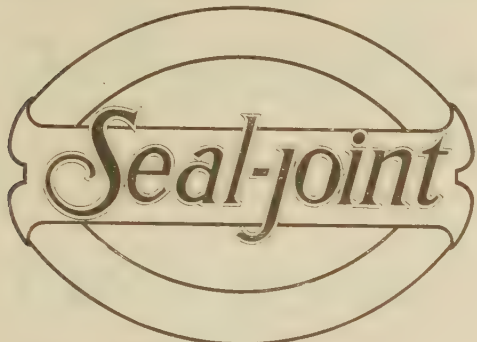
Mirrolite

Trade-mark consists of the word "Mirrolite."

Particular description of goods.—Ladies' Hand Bags.

Claims use since Apr. 23, 1923.

Ser. No. 179,890. (CLASS 25. LOCKS AND SAFES.)
STEELCRAFT CORPORATION OF AMERICA, Cleveland, Ohio.
Filed Apr. 28, 1923.



Particular description of goods.—Safes.
Claims use since Mar. 1, 1917.

Ser. No. 179,975. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) D. W. THOMAS, INCORPORATED, Seattle, Wash. Filed Apr. 30, 1923.

Shell Garden

Particular description of goods.—Artificial Pearls.
Claims use since June 12, 1922.

Ser. No. 179,984. (CLASS 43. THREAD AND YARN.) BARBOUR FLAX SPINNING CO., Paterson, N. J. Filed May 1, 1923. Under ten-year proviso.

DUNBARTON

Trade-mark consists of the word "Dunbarton."
Particular description of goods.—Hand-Sewing and Machine-Sewing Linen Thread.
Claims use since 1881.

Ser. No. 180,009. (CLASS 15. OILS AND GREASES.) ASBURY B. HUTTON, Philipsburg, Pa. Filed May 1, 1923.

"LEADOLINE"

Particular description of goods.—Grease Compound for Lubricating Purposes.
Claims use since Aug. 24, 1922.

Ser. No. 180,063. (CLASS 33. GLASSWARE.) GIMBEL BROTHERS, INC., New York, N. Y. Filed May 2, 1923.



Particular description of goods.—Table Glassware.
Claims use since about Jan. 2, 1923.

Ser. No. 180,084. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) A. SCHRADER'S SON, INCORPORATED, Brooklyn, N. Y. Filed May 2, 1923. Under ten-year proviso.

SCHRADER

Particular description of goods.—Fluid-Pressure Gauges, Fluid-Pressure Indicators, Fluid-Pressure Regulators, and Sounding Leads.
Claims use since Feb. 12, 1895.

Ser. No. 180,143. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SAFE-T-STAT CO., Philadelphia, Pa. Filed May 3, 1923.

SAFE-T-STAT

Particular description of goods.—Thermoelectric Temperature Indicators.
Claims use since Apr. 1, 1923.

Ser. No. 180,171. (CLASS 17. TOBACCO PRODUCTS.) THEODORE FRANK DUTKANYCH, Chicago, Ill. Filed May 4, 1923.

UNKNOWN HERO



Particular description of goods.—Cigars.
Claims use since Nov. 29, 1922.

Ser. No. 180,199. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed May 4, 1923.

MAGIC ICELAND

Particular description of goods.—Yarns for Knitting, Crocheting, and Art Needlework.
Claims use since Apr. 21, 1923.

Ser. No. 180,211. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo. Filed May 5, 1923.

Clasper

Particular description of goods.—Bracelets, Wristlets, Neck Chains, Watch Chains, Tie Clasps, Coat Chains, and Belt Chains.
Claims use since Mar. 16, 1923.

Ser. No. 180,237. (CLASS 43. THREAD AND YARN.)
OLD COLONY MANUFACTURING CORPORATION, Taunton,
Mass. Filed May 5, 1923.



Particular description of goods.—Cotton Yarns.
Claims use since Nov. 21, 1921.

Ser. No. 180,243. (CLASS 44. DENTAL, MEDICAL,
AND SURGICAL APPLIANCES.) A. SCHRADER'S SON,
INCORPORATED, Brooklyn, N. Y. Filed May 5, 1923.
Under ten-year proviso.

Schrader

Particular description of goods.—Ice Bags and Syringe
Fixtures.
Claims use since Feb. 12, 1895.

Ser. No. 180,285. (CLASS 16. PAINTS AND PAINT-
ERS' MATERIALS.) S. JOSEPH & SON CO., Phila-
delphia, Pa. Filed May 7, 1923.



QUAKER BRAND

The word "Brand" is disclaimed apart from the mark
shown.

Particular description of goods.—Ready-Mixed Paints,
Varnishes, Fillers, and Shellacs.
Claims use since 1890.

Ser. No. 180,312. (CLASS 42. KNITTED, NETTED,
AND TEXTILE FABRICS.) WARMBIRDS, INC., New
York, N. Y. Filed May 7, 1923.

Warmbirds

Particular description of goods.—Woolens and Wors-
teds in the Piece.
Claims use since Feb. 17, 1923.

Ser. No. 180,332. (CLASS 28. JEWELRY AND PRE-
CIOUS-METAL WARE.) JACK J. FELSENFELD, New
York, N. Y. Filed May 8, 1923.

Betsy Ross

Particular description of goods.—Pearls, Real and
Artificial.

Claims use since September, 1922.

Ser. No. 180,351. (CLASS 42. KNITTED, NETTED,
AND TEXTILE FABRICS.) WORUMBO MANUFACTUR-
ING COMPANY, Bath, Me. Filed May 8, 1923.

LUISANT

Particular description of goods.—Woolen Goods in the
Piece.

Claims use since Nov. 18, 1921.

Ser. No. 180,356. (CLASS 42. KNITTED, NETTED,
AND TEXTILE FABRICS.) BE-NEET MANUFACTUR-
ING CO., INC., New York, N. Y. Filed May 9, 1923.



No claim made to the exclusive use of the words "Trade-
Mark" shown in the drawing.

Particular description of goods.—Hair Nets.

Claims use since May 2, 1923.

Ser. No. 180,413. (CLASS 42. KNITTED, NETTED,
AND TEXTILE FABRICS.) LEON BLOCH, New York,
N. Y. Filed May 10, 1923.



Particular description of goods.—Handkerchiefs.
Claims use since Jan. 1, 1923.

Ser. No. 180,431. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.

Frank Frisch

The name is a facsimile of the signature of Frank Frisch.

Particular description of goods.—Baseball Bats.
Claims use since Sept. 27, 1921.

Ser. No. 180,432. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.

Ken Williams

The mark is a facsimile of the signature of Ken Williams.

Particular description of goods.—Baseball Bats.
Claims use since Nov. 2, 1921.

Ser. No. 180,433. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.

Reb Russell

The mark is a facsimile of the signature Reb Russell.

Particular description of goods.—Baseball Bats.
Claims use since Dec. 16, 1921.

Ser. No. 180,434. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.

Harry E. Heilmann

The mark is a facsimile of the signature of Harry E. Heilmann.

Particular description of goods.—Baseball Bats.
Claims use since Sept. 16, 1921.

Ser. No. 180,435. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HARRY E. KAPLAN, doing business as H. E. Kaplan & Co., Chicago, Ill. Filed May 10, 1923.

Eternal Bliss

Particular description of goods.—Finger Rings.
Claims use since Apr. 25, 1923.

Ser. No. 180,486. (CLASS 10. FERTILIZERS.) NITRATE AGENCIES COMPANY, New York, N. Y. Filed May 11, 1923.

NITRAPO



Particular description of goods.—Fertilizers.
Claims use since 1916.

Ser. No. 180,491. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Filed May 11, 1923.



Particular description of goods.—Women's Hair Nets.
Claims use since Apr. 24, 1923.

Ser. No. 180,493. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PRIMROSE DRAPERIES, INC., New York, N. Y. Filed May 11, 1923.

Dolly Prim

Particular description of goods.—Bedspreads.
Claims use since Feb. 8, 1923.

Ser. No. 180,504. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIÉTÉ RODIER, Paris, France. Filed May 11, 1923.

GRAINÉCLA

Particular description of goods.—Piece goods of Silk, Cotton, and Wool and Mixtures of the Same.
Claims use since Mar. 7, 1923.

Ser. No. 180,506. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIÉTÉ RODIER, Paris, France. Filed May 11, 1923.

ROUMALVÉOL

Particular description of goods.—Piece Goods of Silk, Cotton, and Wool and Mixtures of the Same.
Claims use since Mar. 7, 1923.

Ser. No. 180,521. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed May 12, 1923.

Krisalkrepe

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.

Claims use since May 5, 1923.

Ser. No. 180,533. (CLASS 37. PAPER AND STATIONERY.) FOX RIVER PAPER COMPANY, Appleton, Wis. Filed May 12, 1923.

WALL STREET

Particular description of goods.—Writing Paper.
Claims use since Sept. 20, 1922.

Ser. No. 180,549. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PENDLE & RIVETT LIMITED, London, England. Filed May 12, 1923.

FINTEX

Particular description of goods.—Cloth and Stuffs of Wool and Worsted.

Claims use since Oct. 25, 1921.

Ser. No. 180,558. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DAVID SCHWARTZ COMPANY, INC., New York, N. Y. Filed May 12, 1923.



Particular description of goods.—Cotton Goods in the Piece.

Claims use since October, 1921.

Ser. No. 180,570. (CLASS 25. LOCKS AND SAFES.) WILLIAMS & ROBECHAUD, Milwaukee, Wis. Filed May 12, 1923.

"BADGER LAPT"

Particular description of goods.—Auto Locks.
Claims use since Apr. 16, 1923.

Ser. No. 180,628. (CLASS 15. OILS AND GREASES.) SMITH OIL & REFINING COMPANY, Rockford, Ill. Filed May 14, 1923.

SoArc

Trade-mark consists of the word "So'Arc."
Particular description of goods.—Lubricating Oils and Greases.

Claims use since January, 1915.

Ser. No. 180,629. (CLASS 15. OILS AND GREASES.) SMITH OIL & REFINING COMPANY, Rockford, Ill. Filed May 14, 1923.

OIL-O-LARD

Trade-mark consists of the hyphenated word "Oil-O-Lard," no exclusive claim being made to the use of the words "Oil" and "Lard" apart from the hyphenated word "Oil-O-Lard."

Particular description of goods.—Cutting Oil.
Claims use since January, 1915.

Ser. No. 180,641. (CLASS 37. PAPER AND STATIONERY.) FRED A. WISH, INCORPORATED, New York, N. Y. Filed May 14, 1923.

UNCLE WIGGILY

Particular description of goods.—Stationery—Namely, Envelopes, Writing Paper, Pads, Drawing Paper and Cardboard, Tissue Paper, Pencils.

Claims use since May 19, 1922.

Ser. No. 180,704. (CLASS 10. FERTILIZERS.) GEORGE C. JONES INCORPORATED, New York, N. Y. Filed May 16, 1923.

VERDURO

Particular description of goods.—Fertilizer.
Claims use since May 3, 1923.

Ser. No. 150,760. (CLASS 15. PAINTS AND PAINT-MATERIALS.) BENJAMIN MOORE & CO., Jersey City, N. J., and Brooklyn, N. Y. Filed May 17, 1922.

MOVAR

Particular description of goods.—Varnish for All Interior and Exterior Surfaces.
Claims use since March, 1919.

Ser. No. 150,771. (CLASS 2. BAGGAGE, TRUNKS, EQUIPMENTS, PORTFOLIOS AND POCKETBOOKS.) OSTERWEIL BROS. INC., Newark N. J. Filed May 17, 1922.

TRIPLE BONDED

Particular description of goods.—Trunks.
Claims use since Mar. 1, 1922.

Ser. No. 150,805. (CLASS 27. PAPER AND STATIONERY.) MORNING PLS TICKET COMPANY, INCORPORATED, Mount Vernon, N. Y. Filed May 18, 1922.

"DANDY"

Particular description of goods.—Paper Clips.
Claims use since Apr. 14, 1922.

Ser. No. 150,814. (CLASS 15. PAINTS AND PAINT-MATERIALS.) SEWELL PAINT & GLASS COMPANY, Kansas City, Mo. Filed May 18, 1922.

COLO-VAR

Particular description of goods.—Varnishes, Enamels, Stains, Enamels, Floor Enamels, Enamels, and Paint, Silver Paint, Urethane.
Claims use since Feb. 19, 1922.

Ser. No. 150,815. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed May 19, 1922.



Particular description of goods.—Lenses, Eyeglasses and Spectacles.
Claims use since July 9, 1920.

Ser. No. 150,822. (CLASS 45. BEVERAGE, NON-ALCOHOLIC.) BARTON BEVERAGE, INC., Nashville, Tenn. Filed May 19, 1922.



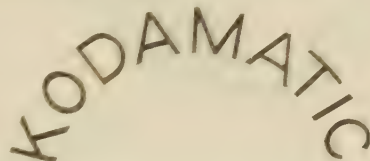
Particular description of goods.—Mixer Air.
Claims use since Feb. 24, 1922.

Ser. No. 150,823. (CLASS 15. PAINTS AND PAINT-MATERIALS.) THE A. B. BROWN COMPANY, Chicago, Ill. Filed May 20, 1922.

OLD GLORY

Particular description of goods.—Paint, House Paint, Wall Paper, and Ceiling Paper, House Paint, and Ceiling.
Claims use since Mar. 7, 1922.

Ser. No. 150,846. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed May 19, 1922.



Particular description of goods.—Photographic Shutter.
Claims use since June 9, 1921.

Ser. No. 150,850. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed May 19, 1922.

Life Saver

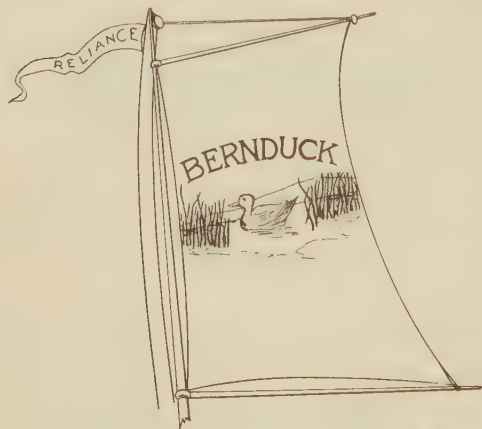
Particular description of goods.—Shower.
Claims use since Mar. 26, 1922.

Ser. No. 150,851. (CLASS 2. BAGGAGE, TRUNKS, EQUIPMENTS, PORTFOLIOS AND POCKETBOOKS.) OSTERWEIL BROS. INC., Newark N. J. Filed May 19, 1922.



Particular description of goods.—Shower, Soap and Bath.
Claims use since Mar. 11, 1922.

Ser. No. 181,053. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) G. BERND COMPANY, Macon, Ga. Filed May 24, 1923.



Particular description of goods.—Horse Collars.
Claims use since May 1, 1920.

Ser. No. 181,054. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRANK BOWNES COMPANY, INC., Lynn, Mass. Filed May 24, 1923.

SPAR-O



VARNISH

No claim made to the word "Varnish" apart from the mark as shown in the drawing.

Particular description of goods.—Varnish.
Claims use since May 14, 1923.

Ser. No. 181,062. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILLIAM P. COURTNEY, doing business as Courtney's Red Top Soda Water Co., Oakland, Calif. Filed May 24, 1923.

YOU'LL LIKE
CREE-MEE
"IT'S KEEN!"

Particular description of goods.—Soda Water.
Claims use since Mar. 2, 1923.

Ser. No. 181,087. (CLASS 15. OILS AND GREASES.) OTIS CHEMICAL COMPANY, (Not Inc.), Chicago, Ill. Filed May 24, 1923.

O-CHEM-OID

Particular description of goods.—Lubricating Compounds and Greases.
Claim use since about Mar. 1, 1923.

Ser. No. 181,104. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE ATLAS CHINA COMPANY, Niles, Ohio. Filed May 25, 1923.

(GOOD) LUCK

Particular description of goods.—Chinaware.
Claims use since Oct. 14, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 10, 1923.

- 169,946. DENTAL FLOSS. HARRY C. HOCHSTADTER, Philadelphia, Pa.
Filed January 10, 1923. Serial No. 174,392. PUBLISHED APRIL 10, 1923.
- 169,947. POLISHING OILS FOR PAINTED, VARNISHED, AND LACQUERED SURFACES, HAVING INCIDENTAL PROPERTIES AS CLEANERS. RICHARD DOUGLAS, doing business as The R. E. D. Mfg. Co., Brooklyn, N. Y.
Filed January 11, 1923. Serial No. 174,429. PUBLISHED APRIL 10, 1923.
- 169,948. SWIMMING BELT. GUS JORDAHN, Palm Beach, Fla.
Filed January 11, 1923. Serial No. 174,454. PUBLISHED APRIL 10, 1923.
- 169,949. TOY DOLLS. CORA EWALD, Brooklyn, N. Y.
Filed January 12, 1923. Serial No. 174,515. PUBLISHED APRIL 10, 1923.
- 169,950. LEAD, OIL, AND ZINC PAINT FOR OUTSIDE AND INSIDE USE. M. J. MERKIN PAINT Co. Inc, Long Island City, N. Y.
Filed January 13, 1923. Serial No. 174,583. PUBLISHED APRIL 10, 1923.
- 169,951. LAUNDRY WASHING MACHINES. THE FAIR, Chicago, Ill.
Filed January 15, 1923. Serial No. 174,614. PUBLISHED APRIL 3, 1923.
- 169,952. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,618. PUBLISHED APRIL 3, 1923.
- 169,953. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,620. PUBLISHED APRIL 3, 1923.
- 169,954. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,622. PUBLISHED APRIL 3, 1923.
- 169,955. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,623. PUBLISHED APRIL 3, 1923.
- 169,956. COTTON PIECE GOODS. COHN HALL MARK Co., New York, N. Y.
Filed January 16, 1923. Serial No. 174,655. PUBLISHED APRIL 10, 1923.
- 169,957. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,624. PUBLISHED APRIL 3, 1923.
- 169,958. WOVEN GRAY, BLEACHED, PRINTED, AND DYED COTTON PIECE GOODS. NEUSS HESSLEIN & Co., Inc., New York, N. Y.
Filed January 16, 1923. Serial No. 174,667. PUBLISHED APRIL 10, 1923.
- 169,959. CIGARETTES. PENN TOBACCO COMPANY, Wilkes-Barre, Pa.
Filed January 17, 1923. Serial No. 174,702. PUBLISHED APRIL 10, 1923.
- 169,960. DOLLS. INDIA KING STUBBS, Monroe, La.
Filed January 17, 1923. Serial No. 174,707. PUBLISHED APRIL 10, 1923.
- 169,961. TOY ELECTRIC RAILWAY. THE AMERICAN DISPLAY COMPANY, Dayton, Ohio.
Filed January 18, 1923. Serial No. 174,718. PUBLISHED APRIL 10, 1923.
- 169,962. TOY ALARM CLOCKS OR WATCHES. SIDNEY C. VINCENT, Baltimore, Md.
Filed January 19, 1923. Serial No. 174,804. PUBLISHED APRIL 10, 1923.
- 169,963. PILLOWCASES, BOLSTER CASES, BED SHEETS, SHAMS, SCARFS, TABLE COVERS, AND NAPKINS. WASHINGTON EMBROIDERY Co., New York, N. Y.
Filed January 19, 1923. Serial No. 174,805. PUBLISHED APRIL 10, 1923.
- 169,964. BROOMS. C. N. CRAMER Co., Ashland, Wis.
Filed January 22, 1923. Serial No. 174,891. PUBLISHED APRIL 17, 1923.
- 169,965. PERIODICAL PUBLICATIONS. BURTON T. SHIELDS, doing business as Shields and Hopkins Company, Indianapolis, Ind.
Filed January 22, 1923. Serial No. 174,927. PUBLISHED APRIL 17, 1923.
- 169,966. ELECTRIC HEATING APPARATUS. W. WESLEY HICKS, San Francisco, Calif.
Filed January 23, 1923. Serial No. 174,962. PUBLISHED APRIL 3, 1923.
- 169,967. HOSIERY. GEORGE WILLS AND SONS, LTD., London, England, and San Francisco, Calif.
Filed May 11, 1922. Serial No. 163,722. PUBLISHED APRIL 3, 1923.
- 169,968. CANDY. WIEGEL CANDY Co., Tacoma, Wash.
Filed May 17, 1922. Serial No. 164,017. PUBLISHED APRIL 10, 1923.
- 169,969. DOLLS AND DOLL OUTFITS. GEORGENE AVERILL, New York, N. Y.
Filed May 20, 1922. Serial No. 164,144. PUBLISHED APRIL 10, 1923.
- 169,970. SHOT SHELLS. WESTERN CARTRIDGE COMPANY, East Alton and Springfield, Ill., assignor to Western Cartridge Company, a Corporation of Delaware.
Filed May 22, 1922. Serial No. 164,285. PUBLISHED APRIL 3, 1923.
- 169,971. FURNITURE POLISH AND AUTOMOBILE POLISH. MANSFIELD CHEMICAL COMPANY, Chicago, Ill.
Filed May 27, 1922. Serial No. 164,600. PUBLISHED APRIL 10 1923.
- 169,972. CORN SALVE. MARIE L. WILSON, Atlantic City, N. J.
Filed June 9, 1922. Serial No. 165,251. PUBLISHED APRIL 10, 1923.
- 169,973. YARN. CARROLL D. NEWELL, New York, N. Y.
Filed June 20, 1922. Serial No. 165,756. PUBLISHED JANUARY 9, 1923.
- 169,974. SOLE-LEATHER SIDES, BACKS, BENDS, STRIPS, BLOCKS, AND LEATHER CUT THEREFROM, AND LEATHER FROM WHICH SOLES AND HEELS ARE CUT. C. G. FLECKENSTEIN COMPANY, Muskegon Heights, Mich.
Filed July 1, 1922. Serial No. 166,362. PUBLISHED APRIL 10, 1923.

- 169,975. A VOLATILE COMPOUND DERIVED FROM PETROLEUM. GILMORE PETROLEUM COMPANY, Los Angeles, Calif.
Filed July 7, 1922. Serial No. 166,557. PUBLISHED APRIL 10, 1923.
- 169,976. CANNED VEGETABLES AND SWEET MIXED PICKLES. AMERICAN PICKLE & CANNING CO., Hattiesburg, Miss.
Filed July 10, 1922. Serial No. 166,622. PUBLISHED APRIL 10, 1923.
- 169,977. DYED ANIMAL SKINS. JOSEPH HOLLANDER, INC., Newark, N. J.
Filed July 11, 1922. Serial No. 166,741. PUBLISHED APRIL 10, 1923.
- 169,978. LIQUID PREPARATION FOR INTERNAL USE IN THE TREATMENT OF ASTHMA. KYRIAKOS KARAS, Brooklyn, N. Y.
Filed July 13 1922. Serial No. 166,836. PUBLISHED APRIL 10, 1923.
- 169,979. MEN'S HATS. GIMBEL BROTHERS, INCORPORATED, Philadelphia, Pa.
Filed July 15, 1922. Serial No. 166,944. PUBLISHED APRIL 10, 1923.
- 169,980. A CERTAIN NAMED POULTRY MEDICINE. THOS. SOUTHARD POULTRY SUPPLY CO., Kansas City, Mo.
Filed July 24, 1922. Serial No. 167,337. PUBLISHED APRIL 10, 1923.
- 169,981. CANNED FRUITS AND CANNED VEGETABLES. WILLAMETTE VALLEY CANNERIES, INC., Portland, Oreg.
Filed July 26, 1922. Serial No. 167,443. PUBLISHED APRIL 10, 1923.
- 169,982. DENTAL SUCTION PLATES. CHARLES T. MAGNER, Cleveland, Ohio.
Filed Aug. 3, 1922. Serial No. 167,779. PUBLISHED APRIL 10, 1923.
- 169,983. VANISHING CREAM AND CLEANSING OR COLD CREAM. THE CHARM-U CO., Chattanooga, Tenn.
Filed August 5, 1922. Serial No. 167,838. PUBLISHED APRIL 10, 1923.
- 169,984. CERTAIN NAMED MEDICINAL PREPARATIONS. PAUL F. DEFORD, Pasadena, Calif.
Filed August 7, 1922. Serial No. 167,914. PUBLISHED APRIL 10, 1923.
- 169,985. FUSE PLUGS. WILLIE O. BESAW, Reedley, Calif.
Filed August 8, 1922. Serial No. 167,929. PUBLISHED APRIL 3, 1923.
- 169,986. REMEDY USED FOR THE TREATMENT OF DISTEMPER IN DOGS. DR. WALTER D. JENSEN, doing business as Bio-Chemic Laboratory, Taylor, Nebr.
Filed August 7, 1922. Serial No. 167,943. PUBLISHED APRIL 10, 1923.
- 169,987. BREAD. THE CORBY BAKING COMPANY, Washington, D. C.
Filed April 19, 1916. Serial No. 94,532. PUBLISHED APRIL 3, 1923.
- 169,988. CANDY. CRESCENT CREOLE CANDY CO. INC., New Orleans, La.
Filed March 25, 1920. Serial No. 130,160. PUBLISHED MARCH 6, 1923.
- 169,989. PIECE GOODS COMPOSED OF AN ADMIXTURE OF WOOL AND COTTON. SAMUEL KIRK & SONS, LIMITED, Bradford, England.
Filed May 5 1920. Serial No. 132,052. PUBLISHED APRIL 3, 1923.
- 169,990. ASTHMA MEDICINE. The ASTHMA-TOL CO., Greer, S. C.
Filed September 25, 1920. Serial No. 137,598. PUBLISHED DECEMBER 26, 1922.
- 169,991. SHEETS AND PILLOWCASES. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 27, 1920. Serial No. 140,289. PUBLISHED APRIL 10, 1923.
- 169,992. CANDY. UNITED RETAIL CANDY STORES, INC., New York, N. Y.
Filed November 27, 1920. Serial No. 140,358. PUBLISHED MARCH 22, 1921.
- 169,993. LIQUID COMPOUND OF MEXICAN VANILLA BEANS, VANILLIN, AND COUMARIN. L. DEMARTINI SUPPLY COMPANY, San Francisco, Calif.
Filed December 22, 1920. Serial No. 141,417. PUBLISHED NOVEMBER 29, 1921.
- 169,994. INDUSTRIAL TRUCKS AND TRAILERS. COLBY STEEL AND ENGINEERING CO., Seattle, Wash.
Filed January 26, 1921. Serial No. 142,775. PUBLISHED APRIL 3, 1923.
- 169,995. REFRIGERATING AND ICE-MAKING APPARATUS. WINTER MACHINE COMPANY, Pawtucket, R. I.
Filed April 7, 1921. Serial No. 145,864. PUBLISHED APRIL 3, 1923.
- 169,996. BOTTLE CAPS. AMERICAN BOTTLE CAP CO., Seattle, Wash.
Filed August 15, 1921. Serial No. 151,777. PUBLISHED APRIL 3, 1923.
- 169,997. BRAKE LININGS. UNITED & GLOBE RUBBER COMPANY, Trenton, N. J.
Filed February 28, 1921. Serial No. 144,166. PUBLISHED APRIL 26, 1921.
- 169,998. LETTERHEADS, ENVELOPES, REPORT BLANKS, BILLHEADS, RECEIPT BOOKS, APPLICATION BLANKS, AND BLANK BOOKS. SUPREME ORIENT O. O. H. & P., Schenectady, N. Y.
Filed April 1, 1921. Serial No. 145,597. PUBLISHED APRIL 3, 1923.
- 169,999. CERTAIN NAMED TOILET PREPARATIONS. KARLSRUHER PARFUMERIE- & TOILETTESEIFEN-FABRIK, F. WOLFF & SOHN, G. M. B. H., Karlsruhe, Germany.
Filed September 9, 1921. Serial No. 152,758. PUBLISHED APRIL 3, 1923.
- 170,000. CORDAGE—NAMESLY, MANILA, SISAL, AND HEMP ROPE AND TWINE. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio.
Filed October 24, 1921. Serial No. 154,515. PUBLISHED APRIL 3, 1923.
- 170,001. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,812. PUBLISHED APRIL 3, 1923.
- 170,002. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,815. PUBLISHED APRIL 3, 1923.
- 170,003. MACHINES FOR CUTTING, PILING, FOLDING, FEEDING, COUNTING, MARKING, SORTING, AND BUNDLING OR WRAPPING PAPER AND OTHER SHEET MATERIAL. THE MAXSON AUTOMATIC MACHINERY COMPANY, Westerly, R. I.
Filed November 26, 1921. Serial No. 155,973. PUBLISHED APRIL 3, 1923.
- 170,004. WATER-SOFTENING COMPOUND. SIERRA CHEMICAL COMPANY, Los Angeles, Calif.
Filed December 14, 1921. Serial No. 156,721. PUBLISHED MARCH 6, 1923.
- 170,005. COMPOSITION SOLES FOR FOOTWEAR. ASSIN KONOFF, Toledo, Ohio.
Filed December 17, 1921. Serial No. 156,835. PUBLISHED APRIL 11, 1922.

- 170,006. CLEAR LIQUID CHEMICAL PREPARATION OF ACID REACTION FOR PREVENTING RUST. AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa.
Filed December 20, 1921. Serial No. 156,955. PUBLISHED APRIL 3, 1923.
- 170,007. LENSES AND FRAMES FOR EYEGLASSES AND SPECTACLES. BALTIMORE OPTICAL COMPANY, Baltimore, Md.
Filed December 5, 1922. Serial No. 172,929. PUBLISHED APRIL 3, 1923.
- 170,008. ANTISEPTIC LOTION FOR THE TREATMENT OF THE SCALP AND SKIN. ESTELLE B. FINLAYSON, doing business as Estall Company, New York, N. Y.
Filed December 2, 1922. Serial No. 172,830. PUBLISHED APRIL 3, 1923.
- 170,009. LOTIONS FOR EXTERNAL APPLICATIONS TO THE BODY. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed December 2, 1922. Serial No. 172,813. PUBLISHED APRIL 3, 1923.
- 170,010. ROLLERS FOR PRINTING PRESSES, LITHOGRAPHIC PRESSES, HECTOGRAPH MASSES, AND SIMILAR DEVICES. IDEAL ROLLER & MANUFACTURING CO., INC., Chicago, Ill.
Filed November 29, 1922. Serial No. 172,678. PUBLISHED APRIL 3, 1923.
- 170,011. A CERTAIN NAMED MEDICINE. GEORGE CODE, Boston, Mass.
Filed November 29, 1922. Serial No. 172,663. PUBLISHED APRIL 3, 1923.
- 170,012. PYORRHEA REMEDY. DAUGHERTY & JACKSON, Seymour, Tex.
Filed November 29, 1922. Serial No. 172,666. PUBLISHED APRIL 3, 1923.
- 170,013. MIRRORS FOR MOTOR VEHICLES. KALES STAMPING COMPANY, Detroit, Mich.
Filed November 27, 1922. Serial No. 172,597. PUBLISHED APRIL 3, 1923.
- 170,014. OINTMENTS. ANDREW H. HINKSON, doing business as Shults Ointment Company, Chester, Pa.
Filed November 27, 1922. Serial No. 172,593. PUBLISHED APRIL 3, 1923.
- 170,015. AWNINGS AND TARPAULINS. INDIANAPOLIS TENT & AWNING COMPANY, Indianapolis, Ind.
Filed November 25, 1922. Serial No. 172,538. PUBLISHED APRIL 3, 1923.
- 170,016. YARN. WM. H. HORSTMANN COMPANY, Philadelphia, Pa.
Filed November 24, 1922. Serial No. 172,475. PUBLISHED APRIL 3, 1923.
- 170,017. A CERTAIN NAMED MEDICINAL PREPARATION. WM. C. KING, Scott City, Kans.
Filed November 24, 1922. Serial No. 172,477. PUBLISHED APRIL 3, 1923.
- 170,018. SCOOPS, SHOVELS, AND STEEL CHUTES. H. B. SACKETT SCREEN & CHUTE COMPANY, Chicago, Ill.
Filed November 23, 1922. Serial No. 172,443. PUBLISHED APRIL 10, 1923.
- 170,019. A PREPARATION FOR THE HAIR AND SCALP. CATHERINE NICKELS, Philadelphia, Pa.
Filed November 23, 1922. Serial No. 172,431. PUBLISHED MARCH 27, 1923.
- 170,020. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,476. PUBLISHED APRIL 10, 1923.
- 170,021. SHOES MADE WHOLLY OR IN PART OF LEATHER. FIEBRICH-FOX-HILKER SHOE COMPANY, Racine, Wis.
Filed December 18, 1922. Serial No. 173,480. PUBLISHED APRIL 3, 1923.
- 170,022. SUPPORTS FOR TELEPHONE CORDS, ELECTRIC-IRON CORDS, AND THE LIKE. SNAPPY SALES CO., St. Louis, Mo.
Filed December 18, 1922. Serial No. 173,539. PUBLISHED APRIL 3, 1923.
- 170,023. SHOES MADE WHOLLY OR IN PART OF LEATHER. FIEBRICH-FOX-HILKER SHOE COMPANY, Racine, Wis.
Filed December 18, 1922. Serial No. 173,481. PUBLISHED APRIL 3, 1923.
- 170,024. TELEPHONE PLUGS. LOUIS DE F. MUNGER, doing business as Four Way Company, Springfield, Mass.
Filed December 19, 1922. Serial No. 173,576. PUBLISHED APRIL 3, 1923.
- 170,025. DANDRUFF REMOVER. HARRY E. DEL SORDO, Newark, N. J.
Filed December 20, 1922. Serial No. 173,593. PUBLISHED APRIL 10, 1923.
- 170,026. INTERNAL TREATMENT OF PILES. HAPPY THOUGHT REMEDY CO., Kansas City, Mo.
Filed December 20, 1922. Serial No. 173,596. PUBLISHED APRIL 10, 1923.
- 170,027. ARTIFICIAL PEARLS. THE HENSHEL CO. INC., New York, N. Y.
Filed December 20, 1922. Serial No. 173,597. PUBLISHED APRIL 3, 1923.
- 170,028. COLD CREAM, COMPLEXION POWDER, PERFUME, AND TOILET WATER. LADY JANIS PERFUME CO., Chicago, Ill.
Filed December 21, 1922. Serial No. 173,652. PUBLISHED APRIL 10, 1923.
- 170,029. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed December 21, 1922. Serial No. 173,665. PUBLISHED APRIL 10, 1923.
- 170,030. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed December 21, 1922. Serial No. 173,662. PUBLISHED APRIL 10, 1923.
- 170,031. TONIC FOR USE IN CONNECTION WITH CONVALESCENCE, ANÆMIA, MALNUTRITION OF CHILDREN, SENILE DEBILITY, AND NEURASTHENIA. R. J. STRAISENBURG COMPANY, Rochester, N. Y.
Filed December 21, 1922. Serial No. 173,686. PUBLISHED APRIL 10, 1923.
- 170,032. MEDICINAL PREPARATION RECOMMENDED FOR THE TREATMENT OF ASTHMA AND DISEASES OF THE RESPIRATORY TRACT. E. BILHUBER, Inc., New York, N. Y.
Filed December 22, 1922. Serial No. 173,695. PUBLISHED APRIL 10, 1923.
- 170,033. MANICURE PREPARATIONS—I. E., CUTICLE REMOVER, NAIL WHITE, NAIL POLISH, NAIL BLEACH, CUTICLE COMFORT, HAND LOTION. GEORGE E. KOBOLT, Chicago, Ill.
Filed December 22, 1922. Serial No. 173,711. PUBLISHED APRIL 10, 1923.
- 170,034. OINTMENT FOR THE TREATMENT OF PILES, FISTULA, CONSTIPATION, AND ALL KNOWN RECTAL DISORDERS. JOHN C. MCCARTHY, doing business as The Ma-Lit-Ta Co., Norwood, Mass.
Filed December 26, 1922. Serial No. 173,840. PUBLISHED APRIL 10, 1923.
- 170,035. TOOTH PASTE. JOHN W. COVINGTON, Chicago, Ill.
Filed December 26, 1922. Serial No. 173,811. PUBLISHED APRIL 10, 1923.
- 170,036. CORN PLASTERS. JOHN J. NEWMAN, doing business as J. J. Newman Co., Los Angeles, Calif.
Filed December 26, 1922. Serial No. 173,851. PUBLISHED APRIL 10, 1923.

- 170,037. CERTAIN ARTICLES OF JEWELRY. DIN-HOFER BROS. INC., New York, N. Y.
Filed December 28, 1922. Serial No. 173,918. PUBLISHED APRIL 3, 1923.
- 170,038. COMPOSITIONS FOR EXTERMINATING MOTHS. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,925. PUBLISHED APRIL 10, 1923.
- 170,039. VULCANIZATION ACCELERATORS. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,926. PUBLISHED APRIL 10, 1923.
- 170,040. MALT EXTRACT. R. W. MURRAY & Co., South Boston, Mass.
Filed January 23, 1923. Serial No. 174,970. PUBLISHED APRIL 10, 1923.
- 170,041. DAILY NEWSPAPER. THE OKLAHOMA PUBLISHING COMPANY, Oklahoma, Okla.
Filed January 23, 1923. Serial No. 174,973. PUBLISHED APRIL 17, 1923.
- 170,042. SHOVELS, SPADES, AND SCOOPS. AMES SHOVEL & TOOL COMPANY, Jersey City, N. J., and Boston, Mass.
Filed January 24, 1923. Serial No. 174,986. PUBLISHED APRIL 17, 1923.
- 170,043. PAPER TUBES TO BE USED WITH EXPLOSIVE POWDER IN BLASTING. CLARK PATENT TUBING Co., Wheeling, W. Va.
Filed January 25, 1923. Serial No. 175,069. PUBLISHED APRIL 10, 1923.
- 170,044. BROAD SILK GOODS IN THE PIECE. LENAPE SILK COMPANY, East Stroudsburg, Pa.
Filed January 25, 1923. Serial No. 175,089. PUBLISHED APRIL 10, 1923.
- 170,045. DAILY NEWSPAPER. THE OKLAHOMA PUBLISHING COMPANY, Oklahoma, Okla.
Filed January 26, 1923. Serial No. 175,152. PUBLISHED APRIL 17, 1923.
- 170,046. RUBBER-COMPOSITION FLOOR COVERING. THE HUPP PRODUCTS COMPANY, Columbus, Ohio.
Filed January 27, 1923. Serial No. 175,196. PUBLISHED APRIL 10, 1923.
- 170,047. READY-MIXED PAINT. PARAMOUNT PAINT & VARNISH Co., Philadelphia, Pa.
Filed January 27, 1923. Serial No. 175,208. PUBLISHED APRIL 10, 1923.
- 170,048. WHITE PAINT ENAMEL. PARAMOUNT PAINT & VARNISH Co., Philadelphia, Pa.
Filed January 27, 1923. Serial No. 175,209. PUBLISHED APRIL 10, 1923.
- 170,049. SOFT DRINKS. H. KIRSCH & Co., Brooklyn, N. Y.
Filed February 1, 1923. Serial No. 175,400. PUBLISHED APRIL 17, 1923.
- 170,050. TRIWEEKLY AND DAILY PUBLICATION. POST-TIME PUBLISHING Co., INC., New York, N. Y.
Filed January 30, 1923. Serial No. 175,323. PUBLISHED APRIL 17, 1923.
- 170,051. SOFT DRINKS. SOCIETY CLUB BEVERAGE CORPORATION, Newark, N. J.
Filed February 1, 1923. Serial No. 175,411. PUBLISHED APRIL 17, 1923.
- 170,052. MOPS AND MOPSTICKS. THE BRATON & CADWELL MANUFACTURING COMPANY, New Britain, Conn.
Filed February 9, 1923. Serial No. 175,760. PUBLISHED APRIL 17, 1923.
- 170,053. KEROSENE. MILLER PETROLEUM COMPANY, Kansas City, Mo.
Filed February 7, 1923. Serial No. 175,673. PUBLISHED APRIL 10, 1923.
- 170,054. OILCLOTH. JULIUS WILE SONS & Co., New York, N. Y.
Filed February 9, 1923. Serial No. 175,829. PUBLISHED APRIL 3, 1923.
- 170,055. VARNISHES. REMIEN & KUHNERT Co., Chicago, Ill.
Filed February 10, 1923. Serial No. 175,885. PUBLISHED APRIL 10, 1923.
- 170,056. CERTAIN NAMED COTTONS AND THREAD. THE AMERICAN THREAD COMPANY, Jersey City, N. J., and New York, N. Y.
Filed February 12, 1923. Serial No. 175,910. PUBLISHED APRIL 10, 1923.
- 170,057. SILKS, SILK AND COTTON MIXTURES, COTTON GOODS, LINENS, AND DRAPERIES. THE MARBLETEX Co., Inc., West Hoboken, N. J., and New York, N. Y.
Filed February 12, 1923. Serial No. 175,938. PUBLISHED APRIL 10, 1923.
- 170,058. TURPENTINE SUBSTITUTES. THE NEWPORT COMPANY, Carrollville, Wis.
Filed February 12, 1923. Serial No. 175,940. PUBLISHED APRIL 10, 1923.
- 170,059. CERTAIN NAMED TOILET PREPARATIONS. HUMBERT BIZZONI, New York, N. Y.
Filed November 23, 1922. Serial No. 172,412. PUBLISHED MARCH 27, 1923.
- 170,060. CERTAIN NAMED CHEMICALS. NEIL E. MORGAN, Ogdensburg, N. Y.
Filed November 22, 1922. Serial No. 172,388. PUBLISHED APRIL 3, 1923.
- 170,061. OIL LEATHER DYE. BENTON HOLLADAY & Co., New York, N. Y.
Filed November 7, 1922. Serial No. 172,195. PUBLISHED APRIL 3, 1923.
- 170,062. BRAKE LINING. JOHNS-MANVILLE, INCORPORATED, New York, N. Y.
Filed November 15, 1922. Serial No. 172,046. PUBLISHED APRIL 3, 1923.
- 170,063. TOILET PACKAGES DESIGNED FOR CONTAINING TOOTH BRUSH, PASTE, AND POWDER. FRANK P. HUDNALL, Manchester, Ohio.
Filed November 15, 1922. Serial No. 172,045. PUBLISHED APRIL 3, 1923.
- 170,064. MOUTH WASH. HENRY MICHAEL DONAHUE, doing business as Hoyt Apothecaries Co., San Francisco, Calif.
Filed November 13, 1922. Serial No. 171,908. PUBLISHED APRIL 3, 1923.
- 170,065. A CERTAIN NAMED MEDICINAL PREPARATION. NETTIE-BEALL HINKLE, Shreveport, La.
Filed November 11, 1922. Serial No. 171,844. PUBLISHED MARCH 27, 1923.
- 170,066. HYDRAULIC HOISTS AND THEIR PARTS. WOOD HYDRAULIC HOIST & BODY COMPANY, Detroit, Mich.
Filed December 23, 1922. Serial No. 173,801. PUBLISHED APRIL 10, 1923.
- 170,067. A PARLOR BOARD GAME. DISC ALLEY MANUFACTURING COMPANY, Atlanta, Ga.
Filed June 5, 1922. Serial No. 165,010. PUBLISHED APRIL 3, 1923.
- 170,068. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. EXCELLO SHIRT Co. INC., New York, N. Y.
Filed June 12, 1922. Serial No. 165,363. PUBLISHED JANUARY 30, 1923.
- 170,069. FILES. FAYETTE R. PLUMB, INCORPORATED, Philadelphia, Pa.
Filed June 14, 1922. Serial No. 165,504. PUBLISHED APRIL 10, 1923.

- 170,070. BUTTONS, SHOE ORNAMENTS, BADGES, AND EMBLEMS WHICH ARE MADE WHOLLY OR IN PART OF BASE METAL. HINCKLEY MANUFACTURING Co., Providence, R. I.
Filed June 15, 1922. Serial No. 165,552. PUBLISHED APRIL 3, 1923.
- 170,071. CRYSTALLIZED SWEET PICKLES IN BOTTLES. LLOYD CURTISS, Newark, N. J., assignor to Service Sales Agency, Newark, N. J., a Corporation of New Jersey.
Filed June 23, 1922. Serial No. 165,913. PUBLISHED MARCH 27, 1923.
- 170,072. COTTON GOODS IN THE PIECE. NAP. EUSTATHOPOULO & FILS, New York, N. Y.
Filed June 24, 1922. Serial No. 165,990. PUBLISHED APRIL 3, 1923.
- 170,073. CHILDREN'S UNDERWEAR. WATERTVILLE TEXTILE MILLS, INC., Waterville, N. Y.
Filed June 28, 1922. Serial No. 166,210. PUBLISHED DECEMBER 12, 1922.
- 170,074. A CERTAIN NAMED MEDICINAL PREPARATION. A/S FERROSAN, Copenhagen, Denmark.
Filed June 29, 1922. Serial No. 166,216. PUBLISHED MARCH 20, 1923.
- 170,075. SALVE AND COUGH DROPS. OWEN V. GALLAGHER, doing business as Mentho Relief Company, Denver, Colo.
Filed June 29, 1922. Serial No. 166,227. PUBLISHED MARCH 27, 1923.
- 170,076. FERTILIZERS. THE ROGERS & HUBBARD COMPANY, Portland, Conn.
Filed July 10, 1922. Serial No. 166,713. PUBLISHED APRIL 3, 1923.
- 170,077. PREHEATING TORCHES. WELDT COMPANY, Washington, D. C.
Filed July 15, 1922. Serial No. 166,965. PUBLISHED APRIL 3, 1923.
- 170,078. TEA. LAM, GLINES & Co., INC., New York, N. Y.
Filed July 20, 1922. Serial No. 167,137. PUBLISHED APRIL 3, 1923.
- 170,079. DRY COLOR FOR USE IN RUBBER MANUFACTURING. THE AULT & WIRBORG Co., Cincinnati, Ohio.
Filed July 24, 1922. Serial No. 167,285. PUBLISHED APRIL 3, 1923.
- 170,080. CERTAIN NAMED TOILET PREPARATIONS AND CORN REMEDY. R. WILLIAM HUNTER, doing business as National Chemical Company, Detroit, Mich.
Filed July 28, 1922. Serial No. 167,520. PUBLISHED MARCH 20, 1923.
- 170,081. CERTAIN NAMED TOILET PREPARATIONS. MARSCHAT IMPORT Co., INC., New York, N. Y.
Filed July 28, 1922. Serial No. 167,530. PUBLISHED APRIL 3, 1923.
- 170,082. A CERTAIN NAMED MEDICINE. ISRAEL PAUL, doing business as Russpharmaco Products Co., Philadelphia, Pa.
Filed July 28, 1922. Serial No. 167,533. PUBLISHED APRIL 3, 1923.
- 170,083. TOOTH PASTE, TOOTH CLEANSER, AND A PREPARATION FOR THE TREATMENT OF PYORRHEA. ASA A. HATFIELD, doing business as Med-A-Dent Dental Specialties Company, Danville, Ky.
Filed August 1, 1922. Serial No. 167,676. PUBLISHED APRIL 3, 1923.
- 170,084. CERTAIN NAMED TOILET PREPARATIONS. ELIZABETH M. MUNSON, doing business as Madame Mariè, San Francisco, Calif.
Filed August 10, 1922. Serial No. 168,057. PUBLISHED APRIL 3, 1923.
- 170,085. LAUNDRY WAX. BRUN MFG. Co., Philadelphia, Pa.
Filed August 14, 1922. Serial No. 168,201. PUBLISHED APRIL 3, 1923.
- 170,086. CERTAIN NAMED CHEMICALS. MORITZ FREIBERGER, Charlottenburg, near Berlin, Germany.
Filed August 15, 1922. Serial No. 168,258. PUBLISHED APRIL 3, 1923.
- 170,087. RUBBER BOOTS AND SHOES. LA CROSSE RUBBER MILLS Co., doing business as Wisconsin Rubber Mills Co., La Crosse, Wis.
Filed October 9, 1922. Serial No. 170,489. PUBLISHED APRIL 3, 1923.
- 170,088. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,384. PUBLISHED APRIL 10, 1923.
- 170,089. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,383. PUBLISHED APRIL 10, 1923.
- 170,090. RESISTANCE WIRES OF COPPER, NICKEL, IRON, OR OF COMBINATIONS OR ALLOYS OF THESE METALS. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed October 5, 1922. Serial No. 170,345. PUBLISHED APRIL 17, 1923.
- 170,091. HOSIERY SUPPORTERS. THE KOMDO NOVELTY Co., Mount Vernon, N. Y.
Filed October 2, 1922. Serial No. 170,201. PUBLISHED APRIL 3, 1923.
- 170,092. POTATOES IN THEIR NATURAL STATE. CHAS. HECHTMAN, Osseo, Minn.
Filed September 25, 1922. Serial No. 169,902. PUBLISHED APRIL 10, 1923.
- 170,093. LEATHER, CLOTH, AND FABRIC SHOES AND SLIPPERS AND CLOTH SPATS. RUBIN BROS. FOOT-WEAR, New York, N. Y.
Filed September 22, 1922. Serial No. 169,826. PUBLISHED APRIL 3, 1923.
- 170,094. SELF-VULCANIZING TIRE PATCH. LAWRENCE A. FINSTICK, doing business as Hi-Way Laboratories, La Porte, Ind.
Filed September 18, 1922. Serial No. 169,582. PUBLISHED APRIL 3, 1923.
- 170,095. SHOES OF COMBINATIONS OF LEATHER AND RUBBER AND OF RUBBER AND FABRIC. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed September 13, 1922. Serial No. 169,406. PUBLISHED APRIL 10, 1923.
- 170,096. RUBBER HEELS. THE PEE RUBBER COMPANY, INC., New York, N. Y.
Filed September 12, 1922. Serial No. 169,372. PUBLISHED APRIL 3, 1923.
- 170,097. HAIR TONIC. WM. H. GROSS CHEMICAL COMPANY, San Antonio, Tex.
Filed September 11, 1922. Serial No. 169,295. PUBLISHED APRIL 10, 1923.
- 170,098. GAS RANGES, GAS HEATERS, COAL RANGES, COAL HEATERS, AND COMBINATION COAL AND GAS RANGES. A. H. TINNEMAN, doing business as Tinnerman Stove & Range Co., Cleveland, Ohio.
Filed September 9, 1922. Serial No. 169,261. PUBLISHED APRIL 10, 1923.
- 170,099. FILLING FOR PUDDINGS, PIES, AND LAYER CAKE. WILMOT H. SIMONSON, Medford, Mass.
Filed September 7, 1922. Serial No. 169,186. PUBLISHED APRIL 10, 1923.
- 170,100. SHEET-METAL BILL SIGNS, ADVERTISING BOARDS, AND PAINTED BOARD SIGNS. GEORGE MINCK, New York, N. Y.
Filed September 6, 1922. Serial No. 169,136. PUBLISHED APRIL 10, 1923.

- 170,101. RADIO CRYSTALS. THE RADIOLA WIRELESS CORPORATION, New York, N. Y.
Filed August 28, 1922. Serial No. 168,786. PUBLISHED APRIL 3, 1923.
- 170,102. MALT EXTRACT FOR FOOD PURPOSES. CHICAGO MALT EXTRACT Co., Chicago, Ill.
Filed August 28, 1922. Serial No. 168,754. PUBLISHED APRIL 10, 1923.
- 170,103. CANNED SALMON. SEA COAST PACKING Co., Seattle, Wash.
Filed August 24, 1922. Serial No. 168,647. PUBLISHED APRIL 10, 1923.
- 170,104. MEDICINAL PREPARATION IN THE NATURE OF A PURGATIVE AND LIVER MEDICINE. JNO. G. WILLIAMS, Widener, Ark.
Filed August 23, 1922. Serial No. 168,626. PUBLISHED APRIL 10, 1923.
- 170,105. CANNED RIPE OLIVES. JOHN J. HOBY, Los Angeles, Calif.
Filed August 17, 1922. Serial No. 168,364. PUBLISHED APRIL 10, 1923.
- 170,106. RECOIL CHECKERS. HAROLD G. CLOYES, Boston, Mass.
Filed August 11, 1922. Serial No. 168,102. PUBLISHED APRIL 10, 1923.
- 170,107. CIGARS. PEOPLES DRUG STORES, INC., Washington, D. C.
Filed January 9, 1922. Serial No. 157,690. PUBLISHED APRIL 3, 1923.
- 170,108. DEODORANTS. PAULINE K. HORNSEY, Chicago, Ill.
Filed January 14, 1922. Serial No. 157,923. PUBLISHED APRIL 3, 1923.
- 170,109. A MAGAZINE PUBLISHED QUARTERLY. CATHOLIC STUDENTS' MISSION CRUSADE, Cincinnati, Ohio.
Filed January 21, 1922. Serial No. 158,224. PUBLISHED JUNE 13, 1922.
- 170,110. HANDKERCHIEFS. THOMAS B. LAMB, New York, N. Y.
Filed February 9, 1922. Serial No. 159,096. PUBLISHED APRIL 3, 1923.
- 170,111. GENERAL TONIC. SUDERMANN & Co., New York, N. Y.
Filed February 24, 1922. Serial No. 159,772. PUBLISHED MARCH 20, 1923.
- 170,112. PAVING GRAVEL. ALLEN GRAVEL COMPANY, Memphis, Tenn.
Filed February 23, 1922. Serial No. 159,676. PUBLISHED APRIL 3, 1923.
- 170,113. CANDIES. W. F. SCHRAFFT & SONS CORPORATION, Boston, Mass.
Filed February 14, 1922. Serial No. 159,327. PUBLISHED APRIL 3, 1923.
- 170,114. RECEPTACLES FOR GLOVES, HANDKERCHIEFS, LINGERIE, AND SEWING MATERIALS, MADE OF MATERIALS OTHER THAN PRECIOUS METALS. THE TIN DECORATING COMPANY OF BALTIMORE, Baltimore, Md.
Filed March 3, 1922. Serial No. 160,165. PUBLISHED APRIL 3, 1923.
- 170,115. RUBBER HEELS. ARMSTRONG CORK COMPANY, Pittsburgh and Lancaster, Pa.
Filed February 27, 1922. Serial No. 159,828. PUBLISHED APRIL 3, 1923.
- 170,116. BLOTTERS. STANDARD PAPER MANUFACTURING Co., Richmond, Va.
Filed March 25, 1922. Serial No. 161,283. PUBLISHED APRIL 3, 1923.
- 170,117. MEN'S, WOMEN'S, AND CHILDREN'S OUTER GARMENTS—NAMELY, SUITS, OVERCOATS, RAINCOATS, CLOAKS, CAPES, AND SPORT APPAREL. SHIREK & HIRSCH, New York, N. Y.
Filed April 17, 1922. Serial No. 162,461. PUBLISHED OCTOBER 10, 1922.
- 170,118. FRESH CANTALOUPE. THOMAS H. PEPPERS, Los Angeles, Calif.
Filed April 26, 1922. Serial No. 162,949. PUBLISHED APRIL 3, 1923.
- 170,119. ARTIFICIAL REFRIGERATING APPARATUS FOR HOUSEHOLD USE. THE FREEZERATOR Co., Detroit, Mich.
Filed May 8, 1922. Serial No. 163,512. PUBLISHED APRIL 3, 1923.
- 170,120. EDIBLE ARTICLE OF MANUFACTURE OR SWEETMEAT PREFERABLY COMPOSED OF ICE CREAM AND CAKE INCASED IN A CHOCOLATE COATING. POLAR CAKE Co., Denver, Colo.
Filed May 16, 1922. Serial No. 163,944. PUBLISHED DECEMBER 5, 1922.
- 170,121. CERTAIN NAMED TOILET PREPARATIONS. DEBORAH A. JONES, New Bedford, Mass.
Filed May 17, 1922. Serial No. 163,991. PUBLISHED MARCH 27, 1923.
- 170,122. A CERTAIN NAMED CHEMICAL PREPARATION. W. H. METZGER, doing business as W. H. Metzger Company, Bloomington, Ill.
Filed May 20, 1922. Serial No. 164,180. PUBLISHED APRIL 3, 1923.
- 170,123. LADIES' UNDERWEAR, SPORT HATS, HO-SIERY, ALL OF SILK, AND SILK AND COTTON BANDEAUX. WILLIAM M. GRANT & SON, Johnstown, N. Y.
Filed May 19, 1922. Serial No. 164,104. PUBLISHED OCTOBER 10, 1922.
- 170,124. CHOCOLATE CANDY. ADVANCE CANDY MFG Corp., New York, N. Y.
Filed May 24, 1922. Serial No. 164,356. PUBLISHED APRIL 3, 1923.
- 170,125. MEN'S, WOMEN'S, BOYS', AND CHILDREN'S SHIRTS, COLLARS, PYJAMAS, NIGHTWEAR, AND MEN'S TEXTILE UNDERWEAR. EXCELLO SHIRT Co., INC., New York, N. Y.
Filed May 31, 1922. Serial No. 164,699. PUBLISHED MARCH 20, 1923.
- 170,126. BUILDING CEMENT AND STUCCO. NATIONAL KELLSTONE Co., Chicago, Ill.
Filed November 4, 1921. Serial No. 155,028. PUBLISHED AUGUST 29, 1922.
- 170,127. PROPHYLACTIC REMEDY. THE REESE CHEMICAL Co., Cleveland, Ohio.
Filed November 7, 1921. Serial No. 155,122. PUBLISHED APRIL 10, 1923.
- 170,128. ELECTRIC CONDUIT FITTINGS, EXCLUSIVE OF LIGHTING FIXTURES. LAMAR F. BRUNNER, doing business as Utility Fittings Company, Philadelphia, Pa.
Filed December 6, 1921. Serial No. 156,344. PUBLISHED APRIL 3, 1923.
- 170,129. RUBBER JAR RINGS. CUPPLES COMPANY MANUFACTURERS, St. Louis, Mo.
Filed January 24, 1922. Serial No. 158,380. PUBLISHED MAY 30, 1922.
- 170,130. GASOLINE, KEROSENE, NAPHTHA, DISTILLATE, MOTOR OILS, TRANSMISSION OILS, MACHINE OILS, ICE OILS, ROAD OIL, FUEL OIL, AND GAS OIL. GET-GAS SERVICE STATIONS, INC., Springfield, Ill.
Filed January 24, 1922. Serial No. 158,391. PUBLISHED APRIL 10, 1923.
- 170,131. FIREWORKS. THE NATIONAL FIREWORKS MANUFACTURING COMPANY, Boston and West Haver, Mass.
Filed February 6, 1922. Serial No. 158,942. PUBLISHED APRIL 10, 1923.
- 170,132. THREAD AND YARN. N. CHERTOFF, Inc., doing business as U. S. Sewing Thread Co., New York, N. Y.
Filed February 10, 1922. Serial No. 159,140. PUBLISHED APRIL 3, 1923.

- 170,133. BATTERIES. VITALIS PRODUCTS, INCORPORATED, Los Angeles, Calif.
Filed February 23, 1922. Serial No. 159,735. PUBLISHED JUNE 13, 1922.
- 170,134. DRY PASTES. PENN PASTE MILLING COMPANY, Wilkes-Barre, Pa.
Filed March 6, 1922. Serial No. 160,255. PUBLISHED APRIL 10, 1923.
- 170,135. A CERTAIN NAMED CHEMICAL. JOHN F. LITTOOY, Boise, Idaho.
Filed March 25, 1922. Serial No. 161,263. PUBLISHED APRIL 10, 1923.
- 170,136. ROPE. COLUMBIAN ROPE COMPANY, Auburn, N. Y.
Filed April 1, 1922. Serial No. 161,619. PUBLISHED APRIL 10, 1923.
- 170,137. COOKING AND HEATING APPARATUS. HOLBROOK, MERRILL & STETSON, San Francisco and Los Angeles, Calif.
Filed April 17, 1922. Serial No. 162,409. PUBLISHED APRIL 3, 1923.
- 170,138. MEN'S AND BOYS' COATS, VESTS, PANTS, AND KNICKERBOCKERS. GOODALL WORSTED CO., Sanford, Me., and New York, N. Y.
Filed April 19, 1922. Serial No. 162,546. PUBLISHED APRIL 10, 1923.
- 170,139. CHOCOLATE-COATED FUDGE BARS. A. B. MEWHINNEY CO. INC., also doing business as Mewhinney's, Terre Haute, Ind.
Filed April 19, 1922. Serial No. 162,564. PUBLISHED APRIL 10, 1923.
- 170,140. AUTOMOBILE STEERING-GEAR-CONTROL WHEELS. THE ROLLAWAY MOTOR COMPANY, Toledo, Ohio.
Filed April 24, 1922. Serial No. 162,853. PUBLISHED APRIL 10, 1923.
- 170,141. DYNAMOS, ELECTROMOTORS AND PARTS THEREOF, ELECTRICAL APPARATUS—VIZ, RHEOSTATS, SHUNT RESISTANCES, STARTING RESISTANCES, ELECTRICAL SWITCH APPARATUS, SWITCHBOARDS, AND TRANSFORMERS. DEUTSCHE ELEKTRIZITÄTS-WERKE ZU AACHEN-GARBE, LAHMEYER & CO.-AKTIENGESellschaft, Aachen, Germany.
Filed April 27, 1922. Serial No. 162,985. PUBLISHED APRIL 3, 1923.
- 170,142. MEN'S READY-MADE SUITS AND OVERCOATS. LOUIS SHAPIRO, doing business as Louis Shapiro & Co., Mount Vernon, N. Y.
Filed April 29, 1922. Serial No. 163,117. PUBLISHED APRIL 3, 1923.
- 170,143. HOSIERY. PLATT'S, Chicago, Ill.
Filed May 1, 1922. Serial No. 163,170. PUBLISHED APRIL 10, 1923.
- 170,144. CARBON REMOVER. CHARLES T. H. CLIFFORD, doing business as Promo Products Co., Oakland, Calif.
Filed May 8, 1922. Serial No. 163,533. PUBLISHED APRIL 10, 1923.
- 170,145. CHILDREN'S KNIT UNDERWEAR. J. H. SEMEL & Co., New York, N. Y.
Filed May 10, 1922. Serial No. 163,653. PUBLISHED APRIL 10, 1923.
- 170,146. WOMEN'S HOSIERY. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed January 19, 1922. Serial No. 158,115. PUBLISHED APRIL 24, 1923.
- 170,147. CAST, DRAWN, ROLLED, EXTRUDED, PRESSED, AND MACHINED NONFERROUS METALS AND ALLOYS, AND INGOTS. ANACONDA COPPER MINING COMPANY, New York, N. Y.
Filed May 23, 1922. Serial No. 164,291. PUBLISHED APRIL 3, 1923.
- 170,148. FIRE-EXTINGUISHING POWDERS. CLAYTON R. MARSTIN, doing business as The Blazeout Company, Boston, Mass.
Filed August 15, 1922. Serial No. 168,272. PUBLISHED APRIL 3, 1923.
- 170,149. VETERINARY MEDICINE. NORMAN F. TATE, Amarillo, Tex.
Filed August 15, 1922. Serial No. 168,287. PUBLISHED MARCH 20, 1923.
- 170,150. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, FRUIT PRESERVES IN JARS, AND COMB-EXTRACTED HONEY. PAUL R. WEIDNER, Woburn, Mass.
Filed August 16, 1922. Serial No. 168,343. PUBLISHED APRIL 3, 1923.
- 170,151. CERTAIN NAMED MEDICINES. DUNCAN CHEMICAL COMPANY, Albany, Ala.
Filed August 21, 1922. Serial No. 168,518. PUBLISHED APRIL 3, 1923.
- 170,152. AUTOMOBILE BODIES. FISHER BODY CORPORATION, Detroit, Mich.
Filed August 19, 1922. Serial No. 168,464. PUBLISHED APRIL 3, 1923.
- 170,153. NAILS. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass.
Filed August 23, 1922. Serial No. 168,594. PUBLISHED APRIL 3, 1923.
- 170,154. DOLLS. KITTIE F. SISCHO, Santa Monica, Calif.
Filed August 24, 1922. Serial No. 168,651. PUBLISHED APRIL 3, 1923.
- 170,155. CANDIES. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed September 1, 1922. Serial No. 168,978. PUBLISHED APRIL 3, 1923.
- 170,156. HONEY. LAWRENCE R. NOLAN, doing business as The Nolan Apiaries, Kerens, Tex.
Filed September 5, 1922. Serial No. 169,072. PUBLISHED APRIL 3, 1923.
- 170,157. ICE CREAM. WATSON & AVEN, Little Rock, Ark.
Filed September 11, 1922. Serial No. 169,343. PUBLISHED APRIL 3, 1923.
- 170,158. PAPRIKA AND SPICES. E. MILTENBERG, INC., New York, N. Y.
Filed September 13, 1922. Serial No. 169,407. PUBLISHED APRIL 3, 1923.
- 170,159. CUTLERY—VIZ, SCISSORS AND POCKET-KNIVES. JULIUS RICHTER, doing business as Globe Import Co., New York, N. Y.
Filed September 15, 1922. Serial No. 169,517. PUBLISHED APRIL 10, 1923.
- 170,160. CANDIES. ROBERT A. JOHNSTON CO., doing business as Johnston's, Milwaukee, Wis.
Filed September 20, 1922. Serial No. 169,715. PUBLISHED APRIL 3, 1923.
- 170,161. GAITERS OF LEATHER, FABRIC, AND COMBINATION. FREDERICK H. TIMSON, Boston, Mass.
Filed September 20, 1922. Serial No. 169,731. PUBLISHED APRIL 3, 1923.
- 170,162. COMBINED CAMERA AND FILM KITS. ANSCO COMPANY, Binghamton, N. Y.
Filed September 22, 1922. Serial No. 169,798. PUBLISHED APRIL 3, 1923.
- 170,163. LEATHER, CLOTH, AND FABRIC SHOES AND SLIPPERS AND CLOTH SPATS. RUBIN BROS. FOOT-WEAR, New York, N. Y.
Filed September 22, 1922. Serial No. 169,827. PUBLISHED MARCH 6, 1923.

170,164. FLAVORING PREPARATION FOR FOOD PRODUCTS. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.

Filed September 23, 1922. Serial No. 169,859. PUBLISHED APRIL 3, 1923.

170,165. SALVE. HIPPOLYTE E. CAPDAU, New Orleans, La.

Filed September 25, 1922. Serial No. 169,888. PUBLISHED APRIL 3, 1923.

170,166. WOMEN'S BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER AND CLOTH. GLOBE SHOE COMPANY, Chelsea, Mass.

Filed September 25, 1922. Serial No. 169,900. PUBLISHED APRIL 3, 1923.

170,167. SALVES. ALBERT A. GASAWAY, doing business as A. A. Gasaway & Son, St. Joseph, Mo.

Filed September 29, 1922. Serial No. 170,062. PUBLISHED MARCH 20, 1923.

170,168. TOOTHBRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.

Filed February 20, 1923. Serial No. 176,390. PUBLISHED APRIL 17, 1923.

170,169. TOOTHBRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.

Filed February 20, 1923. Serial No. 176,389. PUBLISHED APRIL 17, 1923.

170,170. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.

Filed February 20, 1923. Serial No. 176,382. PUBLISHED APRIL 10, 1923.

170,171. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.

Filed February 20, 1923. Serial No. 176,379. PUBLISHED APRIL 10, 1923.

170,172. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.

Filed February 20, 1923. Serial No. 176,375. PUBLISHED APRIL 10, 1923.

170,173. HAIR NETS. AD-PACKED HAIR NET CO., INC., New York, N. Y.

Filed February 19, 1923. Serial No. 176,243. PUBLISHED APRIL 10, 1923.

170,174. HAIR NETS. AD-PACKED HAIR NET CO., INC., New York, N. Y.

Filed February 19, 1923. Serial No. 176,242. PUBLISHED APRIL 10, 1923.

170,175. KEROSENE AND GASOLINE AND LUBRICATING OIL. PETROLEUM EXPORT CORPORATION, Los Angeles, Calif.

Filed February 17, 1923. Serial No. 176,211. PUBLISHED APRIL 10, 1923.

170,176. HAIR NETS. AD-PACKED HAIR NET CO., INC., New York, N. Y.

Filed February 19, 1923. Serial No. 176,240. PUBLISHED APRIL 10, 1923.

170,177. HAIR NETS. AD-PACKED HAIR NET CO., INC., New York, N. Y.

Filed February 19, 1923. Serial No. 176,241. PUBLISHED APRIL 10, 1923.

170,178. GASOLINE, KEROSENE, LUBRICATING OIL, AND GAS OIL. PETROLEUM EXPORT CORPORATION, Los Angeles, Calif.

Filed February 17, 1923. Serial No. 176,210. PUBLISHED APRIL 10, 1923.

170,179. SHOE FABRICS. PETERS MANUFACTURING COMPANY, Boston, Mass.

Filed February 17, 1923. Serial No. 176,209. PUBLISHED APRIL 10, 1923.

170,180. WOODEN PLATES. OVAL WOOD DISH CORPORATION, Tupper Lake, N. Y.

Filed February 17, 1923. Serial No. 176,204. PUBLISHED APRIL 10, 1923.

170,181. NAPHTHA. MILLER PETROLEUM COMPANY, Kansas City, Mo.

Filed February 17, 1923. Serial No. 176,200. PUBLISHED APRIL 10, 1923.

170,182. HANDKERCHIEFS. WESTERN BOTTLE MANUFACTURING COMPANY, also doing business as The Western Company, Chicago, Ill.

Filed February 16, 1923. Serial No. 176,144. PUBLISHED APRIL 10, 1923.

170,183. COTTON PIECE GOODS. CHARLES L. POOR Co., New York, N. Y.

Filed February 14, 1923. Serial No. 176,035. PUBLISHED APRIL 10, 1923.

170,184. COTTON PIECE GOODS. CHARLES L. POOR Co., New York, N. Y.

Filed February 14, 1923. Serial No. 176,038. PUBLISHED APRIL 10, 1923.

170,185. SILK GOODS IN THE PIECE. SALEMBIER & CLAY, INC., New York, N. Y.

Filed February 14, 1923. Serial No. 176,045. PUBLISHED APRIL 10, 1923.

170,186. HANDKERCHIEFS. WESTERN BOTTLE MANUFACTURING COMPANY, also doing business as The Western Company, Chicago, Ill.

Filed February 16, 1923. Serial No. 176,139. PUBLISHED APRIL 10, 1923.

170,187. CIGARS. SALVADOR RODRIGUEZ, New York, N. Y.

Filed March 30, 1923. Serial No. 178,360. PUBLISHED MAY 8, 1923.

170,188. A CERTAIN NAMED MEDICINAL PREPARATION. JACOB W. BEHRENDT, San Francisco, Calif.

Filed December 19, 1922. Serial No. 173,554. PUBLISHED APRIL 3, 1923.

170,189. HEALING SALVE TO RELIEVE SORE AND CALLOUSED FEET. AUGUST MICHEL, Elberta, Ala.

Filed December 18, 1922. Serial No. 173,521. PUBLISHED APRIL 3, 1923.

170,190. CASEMENT-WINDOW ADJUSTERS. MIAMI MANUFACTURING CO., Miami, Fla.

Filed December 18, 1922. Serial No. 173,520. PUBLISHED APRIL 3, 1923.

170,191. ASTRINGENTS AND MILD ANTISEPTICS. H. A. METZ LABORATORIES, INC., New York, N. Y.

Filed December 16, 1922. Serial No. 173,434. PUBLISHED APRIL 3, 1923.

170,192. HAIR DRESSING AND DANDRUFF REMEDY. ALFRED J. KRANK, St. Paul, Minn.

Filed December 16, 1922. Serial No. 173,427. PUBLISHED APRIL 3, 1923.

170,193. HAIR DRESSING AND DANDRUFF REMEDY. ALFRED J. KRANK, St. Paul, Minn.

Filed December 16, 1922. Serial No. 173,428. PUBLISHED APRIL 3, 1923.

170,194. LUMBER. J. H. BURTON & SONS CO. INC., New York, N. Y.

Filed December 16, 1922. Serial No. 173,400. PUBLISHED APRIL 3, 1923.

170,195. TOOTHACHE MEDICINE. BARNARD MANUFACTURING COMPANY, Superior, Nebr.

Filed December 16, 1922. Serial No. 173,394. PUBLISHED APRIL 3, 1923.

170,196. FACE LOTIONS. IMA AULD, Dinuba, Calif.

Filed December 16, 1922. Serial No. 173,393. PUBLISHED APRIL 3, 1923.

170,197. CERTAIN GOLD, PLATINUM, PALLADIUM, AND SILVER METALS AND SOLDER, AND GOLD, PLATINUM, PALLADIUM, AND SILVER ROLLED SHEETS AND PLATES. AMERICAN PLATINUM WORKS, Newark, N. J.

Filed December 16, 1922. Serial No. 173,392. PUBLISHED APRIL 3, 1923.

- 170,198. WHITE MINERAL OIL FOR MEDICINAL PURPOSES. SHERWOOD PETROLEUM COMPANY, INC., Brooklyn, N. Y.
Filed December 15, 1922. Serial No. 173,369. PUBLISHED APRIL 3, 1923.
- 170,199. WHITE MINERAL OIL FOR MEDICINAL PURPOSES. SHERWOOD PETROLEUM COMPANY, INC., Brooklyn, N. Y.
Filed December 15, 1922. Serial No. 173,368. PUBLISHED APRIL 3, 1923.
- 170,200. INSULATING PAPER. THE BARRETT COMPANY, New York, N. Y.
Filed December 15, 1922. Serial No. 173,345. PUBLISHED APRIL 3, 1923.
- 170,201. CONTAINERS MADE OF WOOD OR METAL FOR MERCHANDISE. FRANCIS X. EBERLE, Los Angeles, Calif.
Filed December 5, 1922. Serial No. 172,936. PUBLISHED APRIL 3, 1923.
- 170,202. SEWING CASE. BERTIE S. SCHWED, Far Rockaway, N. Y.
Filed December 6, 1922. Serial No. 173,010. PUBLISHED APRIL 3, 1923.
- 170,203. MOTION PICTURES. CHAPLIN CLASSICS INC., New York, N. Y.
Filed December 8, 1922. Serial No. 173,072. PUBLISHED APRIL 3, 1923.
- 170,204. PENCILS. H. C. HOBBS, doing business as Fidelity Pencil Company, New York, N. Y.
Filed December 9, 1922. Serial No. 173,132. PUBLISHED MARCH 13, 1923.
- 170,205. A CERTAIN NAMED MEDICINAL PREPARATION. S. PFEIFFER MFG. CO., St. Louis, Mo.
Filed December 11, 1922. Serial No. 173,207. PUBLISHED MARCH 27, 1923.
- 170,206. CERTAIN NAMED TOILET PREPARATIONS. N. V. INTERNATIONAL PERFUMERY COMPANY, Amsterdam, Netherlands.
Filed December 13, 1922. Serial No. 173,294. PUBLISHED MARCH 27, 1923.
- 170,207. PNEUMATIC AND SOLID RUBBER TIRES, TUBES, PATCHES, OUTSIDE TIRE SLEEVES, INSIDE TIRE SLEEVES, RUBBER HOSE, PORTABLE TIRE-VULCANIZING OUTFITS, AND RUBBER GASKETS. STANLEY GLIDDEN CO., INC., Boston, Mass.
Filed August 18, 1919. Serial No. 121,766. PUBLISHED APRIL 10, 1923.
- 170,208. CERTAIN MILLING MACHINERY. B. F. GUMP CO., Chicago, Ill.
Filed November 17, 1919. Serial No. 124,986. PUBLISHED APRIL 17, 1923.
- 170,209. PERFORATED MUSIC ROLLS FOR AUTOMATIC PIANOS. JUAN BAUTISTA BLANCAFORT S. EN C., La Garriga, Spain.
Filed December 21, 1920. Serial No. 141,348. PUBLISHED APRIL 3, 1923.
- 170,210. MEAT PRODUCTS. HYGRADE PROVISION CO., INC., Brooklyn, N. Y.
Filed October 20, 1920. Serial No. 138,568. PUBLISHED APRIL 10, 1923.
- 170,211. COTTON, SILK, AND WOOLEN PIECE GOODS. LUTZ & ZUELLIG, Manila, P. I.
Filed January 13, 1921. Serial No. 142,219. PUBLISHED APRIL 10, 1923.
- 170,212. COTTON, SILK, AND WOOLEN PIECE GOODS. LUTZ & ZUELLIG, Manila, P. I.
Filed January 13, 1921. Serial No. 142,220. PUBLISHED APRIL 10, 1923.
- 170,213. LUBRICANT OR GREASE SPECIALLY ADAPTED FOR USE IN GEAR CASES OF AUTOMOBILES. PITTSBURGH OIL REFINING CORPORATION, Baltimore, Md.
Filed March 7, 1921. Serial No. 144,423. PUBLISHED SEPTEMBER 19, 1922.
- 170,214. STOCK AND POULTRY TONICS AND CONDITIONERS. PRAIRIE REMEDY CO., Batavia, Ill.
Filed April 19, 1921. Serial No. 146,397. PUBLISHED APRIL 10, 1923.
- 170,215. ETHEREAL OILS AND ESSENCES FOR DEODORIZING AND PURIFYING THE AIR. PEROLIN FABRIKATIONSGESELLSCHAFT M. B. H., Vienna, Austria.
Filed April 26, 1921. Serial No. 146,780. PUBLISHED APRIL 10, 1923.
- 170,216. REFRACTORY MATERIALS—NAMELY, FIRE BRICK AND REFRACTORY CEMENT. THE PYRO CLAY PRODUCTS COMPANY, Oak Hill, Ohio.
Filed June 9, 1921. Serial No. 148,891. PUBLISHED JANUARY 24, 1922.
- 170,217. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. PHILIPPS AKTIEN-GESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed July 12, 1921. Serial No. 150,286. PUBLISHED APRIL 3, 1923.
- 170,218. ELECTRIC BATTERIES. ENGLERT MANUFACTURING CO., Pittsburgh, Pa.
Filed September 6, 1921. Serial No. 152,609. PUBLISHED APRIL 3, 1923.
- 170,219. LEATHER BOOTS AND SHOES. GEO. E. KEITH COMPANY, Brockton, Mass.
Filed September 9, 1921. Serial No. 152,760. PUBLISHED APRIL 3, 1923.
- 170,220. COFFEE. OLD DUTCH MILLS, INC., New York, N. Y.
Filed September 23, 1921. Serial No. 153,256. PUBLISHED DECEMBER 5, 1922.
- 170,221. VEGETABLE SHORTENING, LARD SUBSTITUTE. JEFFERSON CO. INC., Richmond, Va.
Filed September 30, 1921. Serial No. 153,551. PUBLISHED APRIL 10, 1923.
- 170,222. HYDRATED LIME. CHARLES WARNER COMPANY, Wilmington, Del.
Filed October 19, 1921. Serial No. 154,344. PUBLISHED APRIL 10, 1923.
- 170,223. KINDERGARTEN MATERIAL. ERNEST STEIGER, New York, N. Y.
Filed October 29, 1921. Serial No. 154,769. PUBLISHED APRIL 10, 1923.
- 170,224. VARNISHES, PAINT ENAMELS, AND VARNISH STAINS. MURPHY VARNISH COMPANY, Newark, N. J.
Filed November 3, 1921. Serial No. 154,986. PUBLISHED APRIL 10, 1923.
- 170,225. OIL BURNERS. DAVID PERRY, Dallas, Tex.
Filed October 22, 1921. Serial No. 154,458. PUBLISHED JANUARY 9, 1923.
- 170,226. LAUNDRY BAGS. TINGUE, BROWN & CO., New York, N. Y.
Filed January 18, 1923. Serial No. 174,758. PUBLISHED APRIL 3, 1923.
- 170,227. ASBESTOS BRAKE LINING AND CLUTCH-DISK FACING. ASBESTOS AND ALLIED PRODUCTS CO., New York, N. Y.
Filed January 20, 1923. Serial No. 174,813. PUBLISHED APRIL 3, 1923.
- 170,228. STEEL RODS. GLOBE WIRE CO., Sharpsburg, Pa.
Filed January 19, 1923. Serial No. 174,772. PUBLISHED APRIL 3, 1923.
- 170,229. TEXTILE FABRICS CONSISTING OF COTTON PIECE GOODS. W. R. GRACE & CO., New York, N. Y., and San Francisco, Calif.
Filed January 22, 1923. Serial No. 174,898. PUBLISHED APRIL 3, 1923.
- 170,230. GIN HAMMS IN THE PIECE. HENRY GLASS & CO., New York, N. Y.
Filed December 26, 1922. Serial No. 173,820. PUBLISHED APRIL 3, 1923.

170,231. CIGARS, CIGARETTES, AND SMOKING TOBACCO. R. C. IMPORTATION CORPORATION, New York, N. Y.

Filed December 26, 1922. Serial No. 173,857. PUBLISHED APRIL 3, 1923.

170,232. PLATINUM IN ANY COMMERCIAL FORM THAT THE SAME MAY BE MADE AND SOLD AND PLATINUM SOLDER. DINHOFFER BROS. INC., New York, N. Y.

Filed December 28, 1922. Serial No. 173,919. PUBLISHED APRIL 3, 1923.

170,233. WOOLEN PIECE GOODS. HAGER, CLARK & Co., New York, N. Y.

Filed December 30, 1922. Serial No. 174,007. PUBLISHED APRIL 3, 1923.

170,234. IMPORTED WOVEN FABRICS. HERMAN BAECHTOLD, doing business as Rochelle Lace Works, New York, N. Y.

Filed December 30, 1922. Serial No. 174,032. PUBLISHED APRIL 3, 1923.

170,235. COTTON PIECE GOODS. LOUIS SIEGBERT & Bro., New York, N. Y.

Filed December 30, 1922. Serial No. 174,037. PUBLISHED APRIL 3, 1923.

170,236. WORSTED PIECE GOODS. W. M. BIGGAR & Co., New York, N. Y.

Filed January 4, 1923. Serial No. 174,165. PUBLISHED APRIL 3, 1923.

170,237. DOUGH DIVIDERS, BUN DIVIDERS, BREAD PROOFERS, PANNING MACHINES, MIXERS, FLAKING ROLLS, AND FOOD CUTTERS USED IN THE PREPARATION AND BAKING OF BREAD AND SIMILAR PRODUCTS. BAKER-PERKINS MANUFACTURING CORPORATION, Saginaw, Mich.

Filed January 6, 1923. Serial No. 174,228. PUBLISHED APRIL 10, 1923.

170,238. QUICK-COMPRESSION BIBS. E. STEBBINS MANUFACTURING COMPANY, Springfield, Mass.

Filed January 6, 1923. Serial No. 174,271. PUBLISHED APRIL 3, 1923.

170,239. SENSITIZED PHOTOGRAPHIC PAPER. REPUBLIC PHOTOGRAPHIC CORPORATION, Ferguson, Mo.

Filed January 8, 1923. Serial No. 174,336. PUBLISHED APRIL 3, 1923.

170,240. CIGARS, CHEROOTS, AND CIGARETTES. CIRILO FERNANDEZ, Milwaukee, Wis.

Filed January 11, 1923. Serial No. 174,432. PUBLISHED APRIL 3, 1923.

170,241. PICKAXES, CROWBARS, WRENCHES, TERCADOS, MATTOCKS. THE COLLINS COMPANY, Collinsville Conn.

Filed January 13, 1923. Serial No. 174,559. PUBLISHED APRIL 3, 1923.

170,242. DIE-CASTING METAL AND DIE CASTINGS. DOEHLER DIE-CASTING CO., Brooklyn, N. Y.

Filed January 13, 1923. Serial No. 174,562. PUBLISHED APRIL 3, 1923.

170,243. APPARATUS FOR INSTALLING AND REMOVING ELECTRIC-LIGHT BULBS, LAMP SOCKETS, LAMP BASES, AND FUSE PLUGS. THE G. C. A. MANUFACTURING COMPANY, Pittsfield, Mass.

Filed January 13, 1923. Serial No. 174,570. PUBLISHED APRIL 3, 1923.

170,244. RUBBER TISSUE APPLIED FOR REINFORCING, STIFFENING, AND WATERPROOFING PARTS OF GARMENTS AND TEXTILE MATERIAL IN GENERAL. EDWARD P. STAHEL & Co., New York, N. Y., assigns to H. Rost & Company, Hamburg, Germany.

Filed January 16, 1923. Serial No. 174,676. PUBLISHED APRIL 10, 1923.

170,245. CRANK-CASE-FLUSHING OIL. THE AMERICAN OIL COMPANY, Baltimore, Md.

Filed November 8, 1922. Serial No. 171,719. PUBLISHED APRIL 3, 1923.

170,246. LUBRICATING OIL AND GREASE. DONALD J. LOWRY, Pasadena, Calif.

Filed November 4, 1922. Serial No. 171,584. PUBLISHED APRIL 3, 1923.

170,247. SUPPURATIVE MEDICINAL POWDER. SHARP & DOHME, Baltimore, Md.

Filed November 4, 1922. Serial No. 171,596. PUBLISHED APRIL 3, 1923.

170,248. CRAYONS, CHALKS, AND PENCILS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.

Filed November 1, 1922. Serial No. 171,440. PUBLISHED APRIL 3, 1923.

170,249. ANTISEPTIC AND PROPHYLACTIC TABLETS. SOCIETE ANONYME LA BIOTHERAPIE (SOCIETE ANONYME DE PRODUITS CHIMIQUES BIOLOGIQUES ET D'HYGIENE), Paris, France.

Filed October 27, 1922. Serial No. 171,290. PUBLISHED MARCH 27, 1923.

170,250. LINEN AND COTTON PIECE GOODS. DERRYVALE LINEN CO., INC., New York, N. Y.

Filed October 27, 1922. Serial No. 171,263. PUBLISHED MARCH 6, 1923.

170,251. AGING AND SOFTENING CHEMICAL POWDER FOR LIQUORS. FRED D. BURHOP, doing business as Mell-O Packing Company, Yonkers, N. Y.

Filed October 25, 1922. Serial No. 171,196. PUBLISHED APRIL 3, 1923.

170,252. TOILET PAPER AND PAPER TOWELS. WORTENDYKE MANUFACTURING CO., Richmond, Va.

Filed October 25, 1923. Serial No. 171,192. PUBLISHED APRIL 3, 1923.

170,253. A CERTAIN NAMED MEDICINAL PREPARATION. HENRY C. FITZER, Logansport, Ind.

Filed October 25, 1922. Serial No. 171,160. PUBLISHED MARCH 27, 1923.

170,254. TONIC FOR USE UPON THE SCALP OR SKIN. EMIL D. SCHNEIDER, doing business as Gintone Laboratories, Memphis, Tenn.

Filed October 24, 1922. Serial No. 171,140. PUBLISHED APRIL 3, 1923.

170,255. HOSE, BELTING, AND PACKING MADE WHOLLY OR PARTLY OF RUBBER OR OF A RUBBER COMPOSITION. VOORHEES RUBBER MFG. Co., Jersey City, N. J.

Filed October 20, 1922. Serial No. 171,003. PUBLISHED APRIL 3, 1923.

170,256. A GAME. MAX L. BROOKS, Brooklyn, N. Y.

Filed October 20, 1922. Serial No. 170,967. PUBLISHED APRIL 3, 1923.

170,257. CERTAIN NAMED TOILET PREPARATIONS. EDWARD J. O'CONNOR, doing business as Moon Laboratories, St. Louis, Mo.

Filed October 19, 1922. Serial No. 170,947. PUBLISHED MARCH 20, 1923.

170,258. MIRRORS FOR VEHICLES, WINDSHIELD WINGS, ETC. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.

Filed October 18, 1922. Serial No. 170,910. PUBLISHED APRIL 3, 1923.

170,259. REMEDY FOR CORNS, CALLI, AND WARTS. SAMUEL HOLZMAN, doing business as Tsout Remedy Co., New York, N. Y.

Filed October 17, 1922. Serial No. 170,818. PUBLISHED APRIL 3, 1923.

170,260. CURTAIN BRACKET. JOEL H. ROGERS, doing business as Rogers Bracket Company, Jacksonville, Fla.

Filed October 14, 1922. Serial No. 170,729. PUBLISHED APRIL 3, 1923.

- 140,261. COTTON FABRIC IN THE PIECE. MANHASSET MANUFACTURING COMPANY, Providence, R. I.
Filed October 7, 1922. Serial No. 170,440. PUBLISHED APRIL 3, 1923.
- 170,262. SALAD DRESSING. FREDERICK L. KAYACK, New York, N. Y.
Filed October 7, 1922. Serial No. 170,435. PUBLISHED APRIL 3, 1923.
- 170,263. PREPARATION FOR CERTAIN NAMED MEDICINAL USES. FRANK H. BRYANT, (doing business as Poe Chemical Company), Troy, N. Y.
Filed October 7, 1922. Serial No. 170,423. PUBLISHED APRIL 3, 1923.
- 170,264. LIQUID USED IN HEAT-TREATING STEEL. NYPROS STEEL COMPANY, Philadelphia, Pa.
Filed October 6, 1922. Serial No. 170,400. PUBLISHED APRIL 3, 1923.
- 170,265. WOOD, COAL, GAS, OIL, AND VAPOR STOVES, RANGES, AND FURNACES. THE MINNESOTA STOVE COMPANY, Minneapolis, Minn.
Filed September 26, 1917. Serial No. 106,453. PUBLISHED JULY 4, 1922.
- 170,266. WRENCHES. THE GELLMAN WRENCH CORPORATION, Chicago, Ill.
Filed January 22, 1923. Serial No. 174,896. PUBLISHED APRIL 17, 1923.
- 170,267. READY-MIXED AND PASTE PAINTS, VARNISHES, AND PAINT ENAMELS. ENTERPRISE PAINT MFG. CO., Chicago, Ill.
Filed January 20, 1923. Serial No. 174,829. PUBLISHED APRIL 17, 1923.
- 170,268. READY-MIXED AND PASTE PAINTS, VARNISHES, AND PAINT ENAMELS. ENTERPRISE PAINT MFG. CO., Chicago, Ill.
Filed January 20, 1923. Serial No. 174,827. PUBLISHED APRIL 17, 1923.
- 170,269. COW-HOOF TRIMMERS. CHARLES KAPPELER, St. Paul, Minn.
Filed January 10, 1923. Serial No. 174,396. PUBLISHED APRIL 17, 1923.
- 170,270. PISTON RODS. A. L. STOUT & Co., Indianapolis, Ind., and New York, N. Y.
Filed January 8, 1923. Serial No. 174,345. PUBLISHED APRIL 17, 1923.
- 170,271. DISPLAY STANDS OR EASELS. CHARLES W. LASHER, Jr., doing business as The Art Label Company, Chicago, Ill.
Filed January 6, 1923. Serial No. 174,251. PUBLISHED APRIL 10, 1923.
- 170,272. WEEKLY PERIODICAL. WALTER REED GENERAL HOSPITAL, Washington, D. C.
Filed January 4, 1923. Serial No. 174,189. PUBLISHED APRIL 17, 1923.
- 170,273. WRAPPING PAPER. McLAURIN-JONES CO., Brookfield, Mass.
Filed January 3, 1923. Serial No. 174,147. PUBLISHED APRIL 10, 1923.
- 170,274. ANTINEURALGICS. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,923. PUBLISHED APRIL 10, 1923.
- 170,275. HAEMOSTATICS. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,922. PUBLISHED APRIL 10, 1923.
- 170,276. PARASITICIDES. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,921. PUBLISHED APRIL 10, 1923.
- 170,277. PARASITICIDES. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,920. PUBLISHED APRIL 10, 1923.
- 170,278. PERFUME, TOILET WATER, ROUGES, FACE POWDER, TALCUM POWDER, BRILLIANTINE, SACHET POWDER, AND DENTIFRICES. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York.
Filed December 28, 1922. Serial No. 173,916. PUBLISHED APRIL 10, 1923.
- 170,279. CERTAIN NAMED CHEMICALS. SEMET SOLVAY COMPANY, Solvay, N. Y.
Filed December 12, 1922. Serial No. 173,251. PUBLISHED APRIL 10, 1923.
- 170,280. CANNED FRUITS—NAMELY, FIGS. FOOD PRODUCTS CO., San Francisco, Calif.
Filed December 4, 1922. Serial No. 172,873. PUBLISHED APRIL 17, 1923.
- 170,281. HORSE-RADISH. RAY J. DIEKEMPER, Terre Haute, Ind.
Filed December 4, 1922. Serial No. 172,867. PUBLISHED APRIL 17, 1923.
- 170,282. CANNED VEGETABLES, CANNED FISH, MOLLASSES, AND FRUIT PRESERVES. JOANNE BROS. CO., Green Bay, Wis.
Filed December 1, 1922. Serial No. 172,745. PUBLISHED APRIL 17, 1923.
- 170,283. NICKEL-COPPER ALLOYS, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,708. PUBLISHED APRIL 17, 1923.
- 170,284. NICKEL-CHROME-STEEL ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,709. PUBLISHED APRIL 17, 1923.
- 170,285. NICKEL-CHROME ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,706. PUBLISHED APRIL 17, 1923.
- 170,286. WRITING AND PRINTING PAPER, MAILING ENVELOPES, AND PAPETERIES. BIRNIE PAPER COMPANY, Springfield, Mass.
Filed March 3, 1923. Serial No. 176,877. PUBLISHED APRIL 10, 1923.
- 170,287. WRITING AND PRINTING PAPER, MAILING ENVELOPES, AND PAPETERIES. BIRNIE PAPER COMPANY, Springfield, Mass.
Filed March 3, 1923. Serial No. 176,876. PUBLISHED APRIL 10, 1923.
- 170,288. WRITING AND PRINTING PAPER AND MAILING ENVELOPES. CHAPIN & GOULD PAPER COMPANY, Springfield, Mass.
Filed February 16, 1923. Serial No. 176,114. PUBLISHED APRIL 10, 1923.
- 170,289. SOFT DRINKS. FORST PRODUCTS CO., INC., New Orleans, La.
Filed February 17, 1923. Serial No. 176,172. PUBLISHED APRIL 17, 1923.
- 170,290. SOFT DRINKS. JAMES ROBERT REYNOLDS, doing business as Soldiers Bonus Products Co., Chicago, Ill.
Filed February 17, 1923. Serial No. 176,217. PUBLISHED APRIL 17, 1923.
- 170,291. OPHTHALMIC-LENS BLANKS. SUSSFELD, LORSCH & SCHIMMEL, New York, N. Y.
Filed February 28, 1923. Serial No. 176,766. PUBLISHED APRIL 17, 1923.

- 170,292. OPTHALMIC LENSES AND BLANKS. SUSSFELD, LORSCH & SCHIMMEL, New York, N. Y.
Filed February 28, 1923. Serial No. 176,767. PUBLISHED APRIL 17, 1923.
- 170,293. WAGON PAINT, FIBER ROOF PAINT, VARNISH, PAINT ENAMEL, PORCH-FLOOR PAINT, FLAT WALL FINISH, PENETRATING STAIN, AND READY-MIXED PAINTS. PROGRESS PAINT MFG. Co., Louisville, Ky.
Filed February 14, 1923. Serial No. 176,043. PUBLISHED APRIL 17, 1923.
- 170,294. GRAPE JUICE AND APPLE JUICE. THE PAUL DE LANEX Co. INC., BROCTON, N. Y.
Filed February 9, 1923. Serial No. 175,772. PUBLISHED APRIL 17, 1923.
- 170,295. TOOTHBRUSH CONTAINERS. FREDERICK T. CONLEY, doing business as Symbolox Box Co., South Boston, Mass.
Filed February 9, 1923. Serial No. 175,771. PUBLISHED APRIL 17, 1923.
- 170,296. LIQUID AND PASTE PAINTS. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed February 3, 1923. Serial No. 175,518. PUBLISHED APRIL 17, 1923.
- 170,297. WAXED PAPER. THE HIMMER BROTHERS Co., Inc., Baltimore, Md.
Filed February 1, 1923. Serial No. 175,894. PUBLISHED APRIL 10, 1923.
- 170,298. RAZORS. UNION CUTLERY Co., Olean, N. Y.
Filed January 24, 1923. Serial No. 175,033. PUBLISHED APRIL 17, 1923.
- 170,299. ADHESIVE IN THE FORM OF PASTE. THE COMMERCIAL PASTE Co., Columbus, Ohio.
Filed March 1, 1923. Serial No. 176,788. PUBLISHED APRIL 10, 1923.
- 170,300. CLOTH MAILING BAGS. MILWAUKEE BAG Co., Milwaukee, Wis.
Filed February 26, 1923. Serial No. 176,638. PUBLISHED APRIL 10, 1923.
- 170,301. COMPOUND FOR PREVENTING PUNCTURES IN PNEUMATIC TIRES. C. V. CRUMLEY, doing business as Tubetite Manufacturing Company, Tacoma, Wash.
Filed February 26, 1923. Serial No. 176,606. PUBLISHED APRIL 10, 1923.
- 170,302. PAPER CARTONS. STANDARD PAPER COMPANY, Kalamazoo, Mich.
Filed February 26, 1923. Serial No. 176,659. PUBLISHED APRIL 10, 1923.
- 170,303. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed February 23, 1923. Serial No. 176,506. PUBLISHED APRIL 10, 1923.
- 170,304. PORTFOLIOS (BRIEF CASES). NEW PROCESS COMPANY, Warren, Pa.
Filed February 23, 1923. Serial No. 176,496. PUBLISHED APRIL 10, 1923.
- 170,305. MEN'S SUITCASES. NEW PROCESS COMPANY, Warren, Pa.
Filed February 23, 1923. Serial No. 176,495. PUBLISHED APRIL 10, 1923.
- 170,306. WOMEN'S SUITCASES. NEW PROCESS COMPANY, Warren, Pa.
Filed February 23, 1923. Serial No. 176,494. PUBLISHED APRIL 10, 1923.
- 170,307. CIGARETTE PAPER CUT INTO SMALL SHEETS AND MADE INTO CIGARETTE BOOKS. EMMA MARY BRENCHLEY, New Malden, England.
Filed February 23, 1923. Serial No. 176,445. PUBLISHED APRIL 10, 1923.
- 170,308. TOILET PAPER AND PAPER TOWELS. ALBANY PERFORATED WRAPPING PAPER Co., Albany, N. Y.
Filed February 23, 1923. Serial No. 176,437. PUBLISHED APRIL 10, 1923.
- 170,309. TOOTHBRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.
Filed February 20, 1923. Serial No. 176,391. PUBLISHED APRIL 17, 1923.
- 170,310. COTTON PIECE GOODS. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed February 14, 1923. Serial No. 176,017. PUBLISHED APRIL 10, 1923.
- 170,311. COTTON FIRE HOSE. WM. & CHAS. BECK, Inc., Lawrence, Mass.
Filed January 26, 1923. Serial No. 175,124. PUBLISHED APRIL 3, 1923.
- 170,312. BELTING MADE OF RUBBER AND FABRIC. NEW YORK BELTING AND PACKING COMPANY, New York, N. Y.
Filed January 30, 1923. Serial No. 175,320. PUBLISHED APRIL 3, 1923.
- 170,313. BELTING MADE OF RUBBER AND FABRIC. NEW YORK BELTING AND PACKING COMPANY, New York, N. Y.
Filed January 30, 1923. Serial No. 175,322. PUBLISHED APRIL 3, 1923.
- 170,314. STEEL BARS AND BILLETS. ARTHUR P. SCRIPTURE, New York, N. Y.
Filed January 30, 1923. Serial No. 175,328. PUBLISHED APRIL 3, 1923.
- 170,315. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed February 3, 1923. Serial No. 175,473. PUBLISHED APRIL 3, 1923.
- 170,316. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed February 3, 1923. Serial No. 175,482. PUBLISHED APRIL 3, 1923.
- 170,317. COTTON GOODS IN THE PIECE. NATHAN & COHEN Co., INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,509. PUBLISHED APRIL 3, 1923.
- 170,318. VARNISH. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed February 3, 1923. Serial No. 175,517. PUBLISHED APRIL 3, 1923.
- 170,319. FURNITURE POLISH. J. ELMER SMITH, doing business as Claresa Chemical Works, Irwin, Pa.
Filed February 3, 1923. Serial No. 175,529. PUBLISHED APRIL 3, 1923.
- 170,320. BOOK PAPERS. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed February 7, 1923. Serial No. 175,662. PUBLISHED APRIL 3, 1923.
- 170,321. BOOK PAPERS. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed February 7, 1923. Serial No. 175,663. PUBLISHED APRIL 3, 1923.
- 170,322. BOOK PAPERS. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed February 7, 1923. Serial No. 175,664. PUBLISHED APRIL 3, 1923.
- 170,323. PAPER FOR WRITING AND PRINTING PURPOSES, DRAWING PAPER, PENCIL PAPER, ENVELOPES FOR CORRESPONDENCE, WRITING TABLETS, PENCIL TABLETS, DRAWING TABLETS, SPELLING TABLETS, BLANK BOOKS AND PAPETERIES. J. C. BLAIR COMPANY, Huntingdon, Pa.
Filed February 8, 1923. Serial No. 175,706. PUBLISHED APRIL 3, 1923.

170,324. LUBRICANTS PARTICULARLY INTENDED FOR USE IN REFRIGERATING MACHINES. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y.

Filed February 8, 1923. Serial No. 175,710. PUBLISHED APRIL 3, 1923.

170,325. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.

Filed February 12, 1923. Serial No. 175,959. PUBLISHED APRIL 3, 1923.

170,326. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.

Filed February 12, 1923. Serial No. 175,960. PUBLISHED APRIL 3, 1923.

170,327. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.

Filed February 12, 1923. Serial No. 175,965. PUBLISHED APRIL 3, 1923.

170,328. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.

Filed February 12, 1923. Serial No. 175,968. PUBLISHED APRIL 3, 1923.

170,329. DISPENSING DEVICES FOR PAPER TOWELS, PAPER NAPKINS, OR SIMILAR PRODUCTS. INDEPENDENT PAPER MILLS, INC., Brooklyn, N. Y.

Filed February 17, 1923. Serial No. 176,186. PUBLISHED APRIL 3, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

170,330. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TIFFANY MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 8, 1921. Serial No. 156,472.

TIFFANY

Particular description of goods.—Ammeters.
Claims use since September, 1921.

170,331. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WESLEY L. SCHOLL, doing business as The Solloff Company, Eldorado, Kans. Filed June 5, 1922. Serial No. 165,038.

SOLOFF

Particular description of goods.—Soap.
Claims use since Mar. 15, 1922.

170,332. (CLASS 39. CLOTHING.) WALKER STETSON COMPANY, Boston, Mass. Filed Oct. 23, 1922. Serial No. 171,111.

BERKSHIRE

Particular description of goods.—Underwear of Knitted or Textile Fabric, Including Women's and Children's Knit Bloomers and Gloves of Leather or Textile Fabric.
Claims use since 1906.

170,333. (CLASS 37. PAPER AND STATIONERY.) PENINSULAR PAPER COMPANY, Ypsilanti, Mich. Filed Nov. 21, 1922. Serial No. 172,348.

NEAPOLITAN

Particular description of goods.—Cover Paper.
Claims use since July 3, 1913.

170,334. (CLASS 39. CLOTHING.) BOB & BAS KIND, New York, N. Y. Filed Dec. 2, 1922. Serial No. 172,826.

King Quality

Particular description of goods.—Men's and Boys' Work, Sport, and Dress Shirts; Textile Underwear, Playsuits, Boys' Waists and Blouses.
Claims use since March, 1912.

170,335. (CLASS 39. CLOTHING.) THE STANDARD TENT & AWNING COMPANY, Toledo, Ohio. Filed Jan. 22, 1923. Serial No. 174,942.

TOLEDO

Particular description of goods.—Working Pants, Overalls, Jumpers, and Work Shirts.
Claims use since about Nov. 1, 1920.

170,336. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NILES TOOL WORKS COMPANY, New York, N. Y. Filed Feb. 26, 1923. Serial No. 176,644.



Particular description of goods.—Hydraulic Presses, Axle Lathes, Boring and Turning Mills, Car Wheel Bore, Car-Wheel Lathes, Driving-Wheel Lathes, Engine Lathes; Horizontal Boring, Milling, and Drilling Machines; Wheel Presses, Milling Machines, Multiple Drills, Planing Machines, Quartering Machines, and Tool Equipment Therefor.

Claims use since July 19, 1921.

170,337. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 23, 1923. Serial No. 177,906.

Kirkwall

Particular description of goods.—Gingham in the Piece.
Claims use since July 21, 1921.

170,338. (CLASS 39. CLOTHING.) BURNHAM, STOEPEL & COMPANY, Detroit, Mich. Filed Apr. 7, 1923. Serial No. 178,711.

Fulkut

Particular description of goods.—Ladies', Men's, and Children's Gowns and Pyjamas.
Claims use since Sept. 1, 1920.

170,339. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRED BUTTERFIELD & Co. INC., New York, N. Y. Filed May 10, 1921. Serial No. 147,501.

NORMANDY VOILE

Particular description of goods.—Textile Fabric in the Piece—to wit, Voile.
Claims use since Sept. 1, 1916.

170,340. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FLOYD CLYMER MANUFACTURING COMPANY, Denver, Colo. Filed Nov. 25, 1922. Serial No. 172,518.

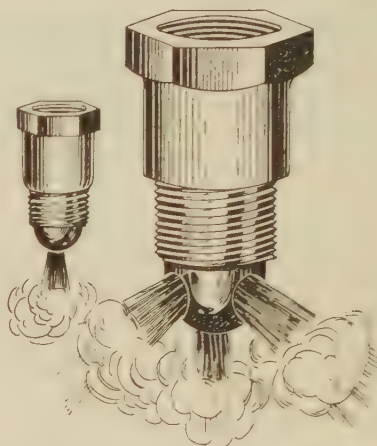
CLYMER WINDSHIELD SPOTLIGHT

Particular description of goods.—Electric-Lamp Spotlights Adapted to be Mounted in the Windshields of Automobiles.

Claims use since about July 1, 1921.

170,341. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHAW MFG. Co., Oak Park, Ill. Filed Jan. 6, 1923. Serial No. 174,266.

HOT FIRING TUBE



Particular description of goods.—Spark Plugs.
Claims use since October, 1916.

170,342. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE THOMAS & BETTS Co., Elizabeth, N. J. Filed Jan. 23, 1923. Serial No. 174,983.

ERICKSON

Particular description of goods.—Couplings for Electrical Conduits.

Claims use since about July 2, 1909.

170,343. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) VULCAN MANUFACTURING COMPANY, Kansas City, Mo. Filed Apr. 2, 1923. Serial No. 178,465.

FAULTLESS

Particular description of goods.—Clothes-Washing Machines.

Claims use since Mar. 22, 1920.

170,344. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) POSTEX COTTON MILLS, Post, Tex. Filed Apr. 17, 1923. Serial No. 179,283.

GARZA

Particular description of goods.—Cotton Piece Goods, Pillowcases, and Sheets.

Claims use since July 1, 1914.

170,345. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FAHNESTOCK ELECTRIC Co., Long Island City, N. Y. Filed Apr. 28, 1923. Serial No. 179,861.

FAHNESTOCK

Particular description of goods.—Spring Binding Posts, Telephone Test Connectors, Telegraph Connecting Blocks, Ignition Switches, Spark-Plug Connectors, and Radio Connecting Blocks.

Claims use since 1909.

170,346. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOWARD D. THOMAS, Seattle, Wash. Filed May 3, 1923. Serial No. 180,154.

THOMAS HORN BUTTON

Particular description of goods.—Electric Switches.
Claims use since July 1, 1921.

170,347. (CLASS 37. PAPER AND STATIONERY.) WHITING PAPER COMPANY, Holyoke, Mass. Filed May 3, 1923. Serial No. 180,160.

MERIT LEDGER

Particular description of goods.—Writing and Printing Paper and Mailing Envelopes.
Claims use since 1913.

170,348. (CLASS 37. PAPER AND STATIONERY.) WHITING PAPER COMPANY, Holyoke, Mass. Filed May 3, 1923. Serial No. 180,159.

Monte Carlo

Particular description of goods.—Writing and Printing Paper and Mailing Envelopes.
Claims use since May, 1919.

170,349. (CLASS 2. RECEPTACLES.) GEORGE X. WENDLING, San Francisco, Calif. Filed Mar. 31, 1923. Serial No. 178,420.



Particular description of goods.—A Wall Section Consisting of Connected Wood Slats Forming a Closure or Wall for a Box or Crate.

Claims use since July, 1920.

170,350. (CLASS 39. CLOTHING.) LONG'S HAT STORES, New York, N. Y. Filed Mar. 10, 1923. Serial No. 177,232.

THE LONG STORES

Particular description of goods.—Men's Hats.
Claims use since Mar. 31, 1922.

170,351. (CLASS 39. CLOTHING.) LONG'S HAT STORES, New York, N. Y. Filed Mar. 10, 1923. Serial No. 177,231.

LONG
The Custom-Hatter

Particular description of goods.—Men's Hats.
Claims use since Mar. 31, 1922.

170,352. (CLASS 37. PAPER AND STATIONERY.) HAWKES-JACKSON COMPANY, New York, N. Y. Filed Feb. 24, 1923. Serial No. 176,545.

Solidhed

Particular description of goods.—Thumb Tacks, Eyelet Pliers, Eyelets, and Paper Fasteners.
Claims use since August, 1900.

170,353. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PERCY B. T. WILLIAMS, Philadelphia, Pa. Filed Feb. 20, 1923. Serial No. 176,388.

Breviskleener

Particular description of goods.—Toothbrushes.
Claims use since about Mar. 21, 1921.

170,354. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ANGELO DEMETRELIAS, Johnston City, Ill. Filed July 8, 1922. Serial No. 166,592.

Rumil

Particular description of goods.—Soft Drink.
Claims use since May 1, 1922.

170,355. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed May 24, 1922. Serial No. 164,430.

Lorraine

Particular description of goods.—Snap Fasteners.
Claims use since May 5, 1922.

170,356. (CLASS 2. RECEPTACLES.) UNION PAPER COMPANY, New York, N. Y. Filed May 16, 1922. Serial No. 163,952.

NU-LOK

Particular description of goods.—Paper Cans
Claims use since May 12, 1922.

170,357. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE JOHN P. KING MANUFACTURING Co., Augusta, Ga. Filed May 15, 1922. Serial No. 163,878.



A

Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 15, 1921.

170,358. (CLASS 5. ADHESIVES.) JOSEPH J. MC-BRIDE, doing business as the Shoor-Patch Rubber Company, Philadelphia, Pa. Filed May 13, 1922. Serial No. 163,818.



Particular description of goods.—A Preparation of Pure Rubber in Plastic Form for Repairing Automobile Tires, Inner Tubes, and Rubber Goods.

Claims use since May 1, 1922.

170,359. (CLASS 39. CLOTHING.) PAULDING SMITH, Philadelphia, Pa. Filed Jan. 16, 1922. Serial No. 158,010.

Dinger

Particular description of goods.—Leather Heel Protectors.

Claims use since Jan. 6, 1922.

170,360. (CLASS 39. CLOTHING.) HIRSHFIELD SKIRT Co., St. Louis, Mo. Filed Oct. 17, 1921. Serial No. 154,188.

Lasse Kilt

Particular description of goods.—Outer Skirts for Girls.
Claims use since Sept. 1, 1921.

170,361. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CLARENCE E. ARUNDEL, San Francisco, Calif. Filed Dec. 22, 1920. Serial No. 141,410.

Arundel

Particular description of goods.—Navigational Apparatus Consisting of Ship's-Course Indicators, Ship's-Course Recorders, Compasses, Automatic Steering Compasses, Sounding Machines, Sextants, Peloruses.

Claims use since September, 1920.

TRADE-MARK REGISTRATIONS RENEWED.

- 17,784. A TONIC AND GENERAL STIMULANT. Registered April 15, 1890. MELLIER DRUG COMPANY, St. Louis, Mo. Renewed April 15, 1920.
- 18,578. A PREPARATION FOR WHITENING AND COLORING BUCKSKIN LEATHER. Registered November 4, 1890. JOSEPH PICKERING & SONS. Renewed November 4, 1920, to Joseph Pickering & Sons, Limited, Sheffield, England, assignee.
- 19,470. DRIVING BELTS. Registered May 12, 1891. ROSSENDALE BELTING COMPANY. Renewed May 12, 1921, to Rossendale-Reddaway Belting & Hose Company, Newark, N. J., a Corporation of New Jersey, successor.
- 21,903. WASHING BLUE. Registered November 1, 1892. PATRICK DIAMOND, Philadelphia, Pa. Renewed November 1, 1922.
- 22,658. BABBITT METAL AND ANTIFRICTION JOURNAL BEARINGS. Registered March 14, 1893. THEODORE HIERTZ & SON. Renewed March 14, 1923, to Theodore Hiertz Metal Co., St. Louis, Mo., a Corporation of Missouri, successor.
- 22,778. CARBONATED BEVERAGES. Registered April 11, 1893. HIRAM WHEATON & SONS. Renewed April 11, 1923, to Hiram Wheaton & Sons, Inc., New Bedford, Mass., a Corporation of Massachusetts, assignee.
- 23,017. GLOVES. Registered May 16, 1893. FOWNES BROTHERS & Co., London, England. Renewed May 16, 1923, to Fownes Brothers & Co. Inc., New York, N. Y., assignee.
- 23,103. WIRE ROPE AND CHAIN. Registered May 23, 1893. GEORGE CRADOCK & Co. Renewed May 23, 1923, to George Cradock & Co. Ltd., Wakefield, England, assignee.
- 23,474. COOKING, HEATING, AND GAS STOVES. Registered August 8, 1893. FRANK A. KLAINE. Renewed August 8, 1923, to The F. A. Klaine Company, Cincinnati, Ohio, a Corporation of Ohio, assignee.
- 23,776. COTTON-SEED OILS FOR MECHANICAL AND FOR FOOD PURPOSES. Registered October 31, 1893. THE AMERICAN COTTON OIL COMPANY, New York, N. Y. Renewed October 31, 1923.
- 23,782. PLAYING CARDS. Registered November 7, 1893. THE UNITED STATES PRINTING COMPANY. Renewed November 7, 1923, to The United States Playing Card Company, Cincinnati, Ohio, a Corporation of Ohio, assignee.
- 23,791. MALT EXTRACT AND OTHER FOOD FOR INFANTS AND INVALIDS. Registered November 7, 1893. HORLICKS FOOD COMPANY. Renewed November 7, 1923, to Horlick's Malted Milk Company, Racine, Wis., a Corporation of Wisconsin, assignee.
- 23,794. A TONIC COMPOUND. Registered November 7, 1893. THE PURDUE FREDERICK COMPANY, New York, N. Y. Renewed November 7, 1923.
- 23,873. MINERAL WATER, GINGER ALE, PHOSPHATE, OZONATE, AND CARBONATED BEVERAGES. Registered November 28, 1893. WHITE ROCK MINERAL SPRING COMPANY. Renewed November 28, 1923, to White Rock Mineral Springs Company, Waukesha, Wis., assignee.

LABELS

REGISTERED JULY 10, 1923.

- 26,161.—*Title:* ROMOLO. For Macaroni. ROMEO C. AJELLO, Brooklyn, N. Y. Published May 26, 1923.
- 26,162.—*Title:* SWEETHOME CHOCOLATES. For Chocolates. APEX CHOCOLATE COMPANY, doing business as Belle Rose Chocolates Co., Cambridge, Mass. Published March 16, 1923.
- 26,163.—*Title:* THE MYSTIC FINGER. For a Toy. BLOCK-WALSH Corporation, New York, N. Y. Published April 2, 1923.
- 26,164.—*Title:* BURGESS 'A' BATTERY. For Electric Batteries. BURGESS BATTERY COMPANY, Madison, Wis. Published May 10, 1923.
- 26,165.—*Title:* LYDIA DARRAH. For Candy. LYDIA DARRAH CANDY SHOPS, INC., Minneapolis, Minn. Published March 24, 1923.
- 26,166.—*Title:* FORTUNE SHELLS. For Macaroni. FORTUNE PRODUCTS COMPANY, Chicago, Ill. Published January 13, 1923.
- 26,167.—*Title:* SUNFLOWER. For Roofing. FOSTER LUMBER COMPANY, Kansas City, Mo. Published June 1, 1923.
- 26,168.—*Title:* HAIR NET. For Hair Nets. THEO. H. GARY Co., New York, N. Y. Published March 19, 1923.
- 26,169.—*Title:* GLYNCO BRAND SHRIMP. For Canned Shrimp. GLYNN CANNING COMPANY, Brunswick, Ga. Published May 25, 1923.
- 26,170.—*Title:* DON JULIAN TAMPA WHIFFS. For Cans and Boxes Containing Cigars. GRADIAZ, ANNIS & Co., Tampa, Fla. Published December 31, 1922.
- 26,171.—*Title:* MELLO-FREEZE. For a Preparation for Use in Improving Ice Cream and in Conditioning the Ice Cream Mix. B. HELLER & COMPANY, Chicago, Ill. Published May 14, 1923.
- 26,172.—*Title:* HELLER'S FANCY-PASTRY DESSERT POWDER. For a Preparation for Use in Making Desserts. B. HELLER & COMPANY, Chicago, Ill. Published May 12, 1923.
- 26,173.—*Title:* HOYE'S SPARKLING WHISKO. For Beverages. STEPHEN M. HOYE, doing business as Holly Products Co., Brooklyn, N. Y. Published June 5, 1923.
- 26,174.—*Title:* INTERLAKE. For Toilet Paper. INTERLAKE TISSUE MILLS CO. LTD., Merritton, Ontario, Canada. Published April 2, 1923.
- 26,175.—*Title:* BLUE BIRD. For Toilet Paper. INTERLAKE TISSUE MILLS CO. LTD., Merritton, Ontario, Canada. Published April 2, 1923.
- 26,176.—*Title:* WHITE CROSS. For Toilet Paper. INTERLAKE TISSUE MILLS CO. LTD., Merritton, Ontario, Canada. Published April 2, 1923.
- 26,177.—*Title:* COPLEY, THE MEN'S STORE OF NEW ENGLAND, A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Stockings and Socks. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.
- 26,178.—*Title:* COPLEY, THE MEN'S STORE OF NEW ENGLAND, A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Vests. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.
- 26,179.—*Title:* COPLEY, THE MEN'S STORE OF NEW ENGLAND, A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Sweaters. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.
- 26,180.—*Title:* BUNNY CLEANER. For a Water Softener and Washing Powder. MARTIN LUTHER KEAGY, doing business as Lion Chemical Laboratories, Canton, Ohio. Published May 1, 1923.
- 26,181.—*Title:* I-S. For Bread. SAMUEL E. LOVELESS, Chicago, Ill. Published February 15, 1923.
- 26,182.—*Title:* KELP IODIZED WATER. For Medical Preparation. HERBERT A. MORRIS, doing business as Kelp Water Company, Minneapolis, Minn. Published December 1, 1922.
- 26,183.—*Title:* 3 CELL EVEREADY FLASHLIGHT BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published April 1, 1923.
- 26,184.—*Title:* DANCE SERIES NO. 1. For Talking-Machine Sound Records. NATIONAL MUSIC LOVERS, INC., New York, N. Y. Published May 7, 1923.
- 26,185.—*Title:* THE VARIETY BOX. For Candy. NORRIS INC., Atlanta, Ga. Published August 24, 1922.
- 26,186.—*Title:* THE BEST TONIC. For General Medicinal Tonic. PABST CORPORATION, Milwaukee, Wis. Published June 6, 1923.
- 26,187.—*Title:* PABST MALT SYRUP. For Malt Sirup. PABST CORPORATION, Milwaukee, Wis. Published March 30, 1923.
- 26,188.—*Title:* ARTESIA. For Table Water. PABST CORPORATION, Milwaukee, Wis. Published June 1, 1923.
- 26,189.—*Title:* THE BEST NIPPLE. For Pipe Nipples. FRED PABST COMPANY, Milwaukee, Wis. Published May 4, 1923.
- 26,190.—*Title:* DAYLY BREAD. For Bread. PACKAGE PAPER & SUPPLY CORPORATION, Springfield, Mass. Published February 21, 1923.
- 26,191.—*Title:* RAWLEIGH'S GOOD HEALTH TALCUM. For Talcum. THE W. T. RAWLEIGH COMPANY, Freeport, Ill. Published May 11, 1923.
- 26,192.—*Title:* OXIDENE. For Powder for Malodorous, Galled, Calloused, Cracked, or Sore Feet, Body-Perspiration Odors, Sunburn, and Prickly Heat. REAL-NEED PRODUCTS CO., Harrisburg, Pa. Published December 16, 1923.
- 26,193.—*Title:* RECKORD BRAND TOMATOES. For Cans Containing Tomatoes. RECKORD BROS., Bel Air, Md. Published May 22, 1923.
- 26,194.—*Title:* SUSQUEHANNA BRAND TOMATOES. For Cans Containing Tomatoes. RECKORD BROS., Bel Air, Md. Published May 22, 1923.
- 26,195.—*Title:* MUH-JUHNG, THE GREAT CHINESE GAME. For Game Devices for Playing the Said Chinese Game. THE REGENSTEINER CORPORATION, Chicago, Ill. Published May 26, 1923.
- 26,196.—*Title:* REYNOLDS' RELIANCE. For Coffee. WM. T. REYNOLDS & Co. INC., Poughkeepsie, N. Y. Published March 1, 1923.
- 26,197.—*Title:* RICH'S BEST. For Rolled Oats. RICH BROTHERS CEREAL COMPANY, Cedar Rapids, Iowa. Published November 15, 1922.
- 26,198.—*Title:* PENELA. For Hair Nets. THE RIESER COMPANY, New York, N. Y. Published May 29, 1920.
- 26,199.—*Title:* ROVINA. For Hair Nets. THE RIESER COMPANY, New York, N. Y. Published May 29, 1920.

- 26,200.—*Title:* BETTER BERRIES GROWN IN SANTA MARGARITA VALLEY GARDENS. For Fresh Berries. SANTA MARGARITA VALLEY GARDENS ASSOCIATION, Atascadero, Calif. Published May 4, 1923.
- 26,201.—*Title:* SHARP'S SUPER-KREEM TOFFEE. For Toffee.) EDWARD SHARP & SONS LTD., Maidstone, England. Published November 1, 1922.
- 26,202.—*Title:* SUN-MAID RAISINUT CHOCOLATES. For Boxes Containing Chocolates. SUN-MAID RAISIN GROWERS, Fresno, Calif. Published April 10, 1922.
- 26,203.—*Title:* SUN-MAID RAISINUT CHOCOLATES. For Boxes Containing Chocolates. SUN-MAID RAISIN GROWERS, Fresno, Calif. Published May 11, 1922.
- 26,204.—*Title:* SUN-MAID RAISINUT CHOCOLATES. For Boxes Containing Chocolates. SUN-MAID RAISIN GROWERS, Fresno, Calif. Published May 2, 1922.
- 26,205.—*Title:* DR. A. PETERS' TUBEROSUM PYORRHEA REMEDY. For Bottles Containing the Liquid. THE TUBEROSUM PYORRHEA CO., Broken Bow, Okla. Published January 1, 1923.
- 26,206.—*Title:* DR. TUT. For Nonalcoholic Beverages. MABEL E. VAUGHAN, doing business as Tut Manufacturing Company, Birmingham, Mich. Published May 20, 1923.
- 26,207.—*Title:* WALDES TRUSTY. For Cards Containing Snap Fasteners. WALDES & COMPANY, INC., Long Island City, N. Y. Published May 1, 1923.
- 26,208.—*Title:* PERSONALITY LINEN. For Boxes Containing Stationery. WESTERN TABLET AND STATIONERY COMPANY, St. Joseph, Mo. Published January 10, 1923.
- 26,209.—*Title:* TENDER CRUST. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,210.—*Title:* LIVE LONG. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,211.—*Title:* LADY BETTY. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,212.—*Title:* BETTY BROWN. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,213.—*Title:* BALANCED. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,214.—*Title:* LIKASLICE. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,215.—*Title:* EXTRA FINE. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,216.—*Title:* SUPERFINE. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,217.—*Title:* HOME KRAFT. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,218.—*Title:* SALLY BROWN. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.
- 26,219.—*Title:* FINETEX. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

PRINTS

REGISTERED JULY 10, 1923.

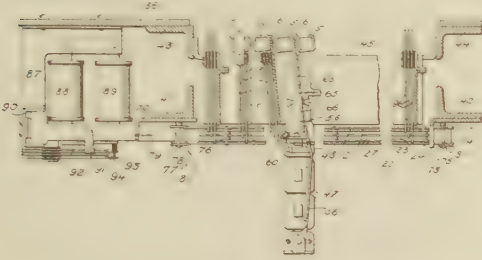
- 6,787.—*Title:* WELLSWORTH GLASSES ALL THAT SCIENCE CAN GIVE. ALL THAT ARTISTRY CAN ADD. For Spectacles and Eyeglasses. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Published April 2, 1923.
- 6,788.—*Title:* GETTING THE MOST OUT OF LIFE. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 15, 1923.
- 6,789.—*Title:* THE LABEL SHOWS THE WAY TO 'B. V. D.' For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 7, 1923.
- 6,790.—*Title:* WHAT IS 'B. V. D.'? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 1, 1923.
- 6,791.—*Title:* LITTLE STORIES OF SUCCESS. For Vanilla Extracts. THE CONSUMERS DISTRIBUTING CO., Pittsburgh, Pa. Published March 28, 1923.
- 6,792.—*Title:* YOU WOULDN'T DRINK FROM YOUR SAUCER. For Papeteries. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published April 1, 1923.
- 6,793.—*Title:* "ONYX" HOSIERY. For Hosiery. EMERY & BEERS COMPANY INC., New York, N. Y., as signor to Onyx Hosiery Inc., New York, N. Y., a Corporation of New York. Published March 1, 1923.
- 6,794.—*Title:* "ONYX" HOSIERY. For Hosiery. EMERY & BEERS COMPANY INC., New York, N. Y., as signor to Onyx Hosiery Inc., New York, N. Y., a Corporation of New York. Published March 15, 1923.
- 6,795.—*Title:* "ONYX" HOSIERY. For Hosiery. EMERY & BEERS COMPANY INC., New York, N. Y., as signor to Onyx Hosiery Inc., New York, N. Y., a Corporation of New York. Published April 1, 1923.
- 6,796.—*Title:* THE ACE OF GOLF BALLS. For Golf Balls. THE FAIR, Chicago, Ill. Published May 20, 1923.
- 6,797.—*Title:* KNICKER BOSTON GARTER. For Men's Garters. GEORGE FROST COMPANY, Boston, Mass. Published May 17, 1923.
- 6,798.—*Title:* HAYNES 77. For Automobiles. THE HAYNES AUTOMOBILE CO., Kokomo, Ind. Published June 9, 1923.
- 6,799.—*Title:* PICKLES IN PATTERNS. For Heinz 57 Varieties (Food Products). H. J. HEINZ COMPANY, Pittsburgh, Pa. Published January 1, 1923.
- 6,800.—*Title:* YOUR FRIEND AND OURS—THE GROCER. For Heinz 57 Varieties (Food Products). H. J. HEINZ COMPANY, Pittsburgh, Pa. Published May 1, 1923.
- 6,801.—*Title:* WHAT SURPRISED THE CHEF. For Heinz 57 Varieties (Food Products). H. J. HEINZ COMPANY, Pittsburgh, Pa. Published March 1, 1923.
- 6,802.—*Title:* MOST SMILES PER GALLON. For Gasoline and Oils. HYGRADE OIL & FUEL CORPORATION, Buffalo, N. Y. Published April 25, 1923.
- 6,803.—*Title:* MOTION PICTURE MEMORY CONTEST. For Motion Pictures. J. CARL JESSEN, Hollywood, Calif. Published May 1, 1923.
- 6,804.—*Title:* ETERNAL BLISS. For Finger Rings. HARRY E. KAPLAN, doing business as H. E. Kaplan & Co., Chicago, Ill. Published April 25, 1923.
- 6,805.—*Title:* LITTLE WOMEN DRESS CO. For Dresses. LITTLE WOMEN DRESS CO., New York, N. Y. Published May 31, 1923.
- 6,806.—*Title:* SNAP—A BETTER HAIR WAYER. For Hair Wavers. MCCONNELL MANUFACTURING COMPANY, Newark, N. J. Published May 15, 1923.
- 6,807.—*Title:* SHOOT THE PLUGS. For Plugs for Cleaning Condenser Tubes. MANNION & ARTHUR CO., Perth Amboy, N. J. Published May 29, 1923.
- 6,808.—*Title:* WORLD'S LARGEST EXCLUSIVE REPRODUCING AND ARTIST GRAND PIANO HOUSE. For Pianos of All Kinds. MOIST PIANO COMPANY, Chicago, Ill. Published April 15, 1923.

- 6,809.—*Title:* WATCH YOUR (IN)-STEP! For Arch Builders or Supports. THE OHIO TRUSS CO., Cincinnati, Ohio. Published June 9, 1923.
- 6,810.—*Title:* "ONYX" HOSIERY. For Hosiery. "ONYX" HOSIERY INC., New York, N. Y. Published June 1, 1923.
- 6,811.—*Title:* PURE ENOUGH TO EAT. For a Toilet Soap (Reuter's). REUTER-BARRY, INC., New York, N. Y. Published May 16, 1923.
- 6,812.—*Title:* INEVITABLY. For Gas Ranges. GEO. D. ROPER CORPORATION, Rockford, Ill. Published April 28, 1923.
- 6,813.—*Title:* PROTECTED BY PROFESSIONAL HONOR. For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published November 18, 1922.
- 6,814.—*Title:* IT WAS THUS INTENDED. For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published March 3, 1923.
- 6,815.—*Title:* SERVANTS OF SCIENCE. For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published February 10, 1923.
- 6,816.—*Title:* ANOTHER GREAT ACHIEVEMENT BY THE SQUIBB LABORATORIES. For Squibb's Magnesia Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published February 24, 1923.
- 6,817.—*Title:* T-O-T TURNOVER GAS TOASTER. For Bread Toasters. TURN-OVER-TOASTER COMPANY, INC., New York, N. Y. Published December 1, 1922.
- 6,818.—*Title:* AMORTIZED MORTGAGES, WHAT THEY ARE AND WHY WE URGE THEM. For Amortized Mortgages. ALLEN J. WILSON, Kansas City, Mo. Published May 23, 1923.

REISSUES.

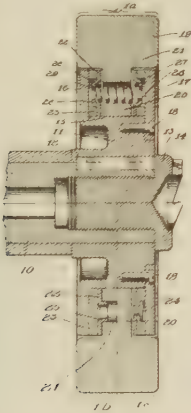
JULY 10, 1923.

15,644. LINE SWITCH. JOHN N. REYNOLDS, Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 7, 1921. Serial No. 475,827. Original No. 1,306,124, dated June 10, 1919, Serial No. 127,944, filed Oct. 26, 1916. 17 Claims. (Cl. 179—27.5.)



1. In a switching mechanism, switch bars, cooperating sets of contacts on said bars vertically and horizontally separated from each other, and means for moving one of said bars, bodily, at right angles to and in the direction of its length in a continuous movement upon the arc of a circle.

15,645. VIBRATION DAMPING DEVICE. MILTON TIBBETTS, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 15, 1921. Serial No. 522,700. Original No. 1,325,057, dated Dec. 16, 1919, Serial No. 30,770, filed May 27, 1915. 18 Claims. (Cl. 74—6.)

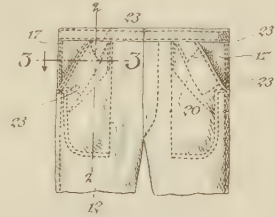


1. In a device of the class described, in combination, an inner member, an outer relatively rotatable inertia member, friction disks between said members, and means for yieldingly separating said disks to form a frictional driving connection between the members.

15,646. POCKET FOR WEARING APPAREL. CHARLES R. WOOD, Fargo, N. Dak. Filed Feb. 28, 1923. Serial No. 621,963. Original No. 1,431,275, dated Oct. 10, 1922, Serial No. 527,635, filed Jan. 7, 1922. 4 Claims. (Cl. 2—15.)

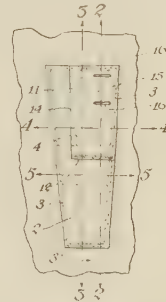
1. The combination with a pocket having an opening and two pieces of material secured together and to the pocket at the edges of the opening forming a loss preventing apron extending into the pocket from the open-

ing, of flexible connections between the extreme inner end of the apron and the body of the pocket permitting



complete separation of the apron from the walls of the pocket, preventing withdrawal of the inner end of the apron through the pocket opening and maintaining the inner end edges of the apron stretched and in contact-ing relation.

15,647. RULE POCKET. CHARLES R. WOOD, Fargo, N. Dak. Filed Feb. 28, 1923. Serial No. 621,964. Original No. 1,407,827, dated Feb. 28, 1922, Serial No. 412,764, filed Sept. 25, 1920. 16 Claims. (Cl. 2—15.)



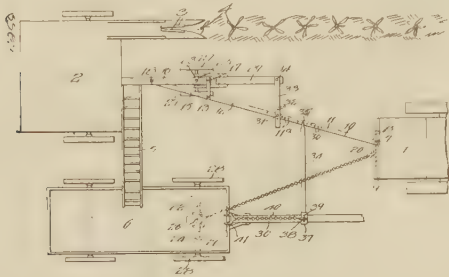
1. In a rule pocket, a portion of a garment, a piece of fabric secured thereto to form a pocket, the piece of fabric having formed therein intermediate its side edges a substantially vertically extending elongated opening, and a cover piece secured along the top, bottom and one vertical edge thereof to said piece of fabric, the free edge of said cover piece extending over and forming a flap for said opening, and a portion bent back from said free edge and secured to the fabric piece adjacent the secured vertical edge of said opening next adjacent the secured vertical edge of such cover.

15,648. PROCESS OF STERILIZING CHEESE. ELMER ELLSWORTH ELDRIDGE, Zeeland, Mich., assignor to Phenix Cheese Company, New York, N. Y., a Corporation of New York. Filed Jan. 27, 1923. Serial No. 615,368. Original No. 1,374,141, dated Apr. 5, 1921, Serial No. 326,038, filed Sept. 24, 1919. 13 Claims. (Cl. 99—1.)

9. As an article of manufacture, cheese containing a salt of phosphoric acid and sterilized.

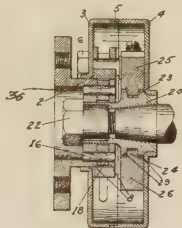
12. The method of preventing disintegration of cheese when the latter is heated to a temperature above that at which the butter fat and casein would normally separate, which consists in first comminuting the cheese, adding thereto a small percentage of sodium phosphate, heating the mass, and stirring the same during said heating, the heating being continued until there is produced a homogeneous body capable, while heated, of flowing to assume the shape of a container.

15,649. VEHICLE-TOWING MECHANISM. SAMUEL E. LAWRENCE, Saybrook, Ill. Filed Mar. 4, 1920. Serial No. 363,323. Original No. 1,307,781, dated June 24, 1919, Serial No. 276,397, filed Feb. 11, 1919. 6 Claims. (Cl. 280—33.44.)



1. A vehicle towing device comprising a bar and a flexible chain or cable having one of their ends adjustably connected to the rear end of a towing vehicle, their other ends connected to two parallel disposed vehicles to be towed in parallel relation to each other, pivoted bars pivotally connected to the tongues of the vehicles and adjustably connected to the first mentioned bar so that the tongues of the vehicles will be turned when the towing vehicle turns to either side.

15,650. GOVERNING DEVICE FOR INTERNAL-COMBUSTION ENGINES. EDWARD MOORE, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed July 7, 1921. Serial No. 483,057. Original No. 1,363,745, dated Dec. 28, 1920, Serial No. 301,563, filed June 3, 1919. 17 Claims. (Cl. 264—16.)

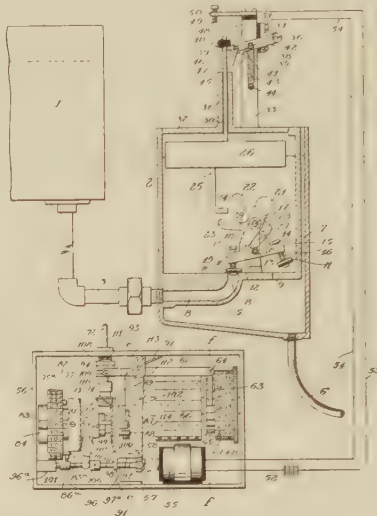


1. In a governing device the combination of, a two part casing having central openings in each part, a driving member positioned within the central opening of one part, a driven member positioned within the opening of the other part, studs fastened to that part of said casing enclosing the driven member, bearing bushings carried by the other part of said casing, centrifugally operated members carried on said studs, links connecting said centrifugally operated members to said driven member, centrifugally operated members carried by said bushings, links connecting said last mentioned centrifugally operated members to said driving member, resilient means acting on said centrifugally operated members to regulate their operation, said studs passing through said bearing bushings and means for engaging said studs to hold the two parts of said casing and inclosed mechanism in operative relationship.

15,651. FLUID MEASURING AND INDICATING MECHANISM. ADOLPH STUBER, Rochester, N. Y. Filed July 11, 1922. Serial No. 574,296. Original application filed Oct. 7, 1916, Serial No. 124,220. Renewed Dec. 19, 1919, Serial No. 346,174. Original No. 1,355,183, dated Oct. 12, 1920. 11 Claims. (Cl. 235—1.)

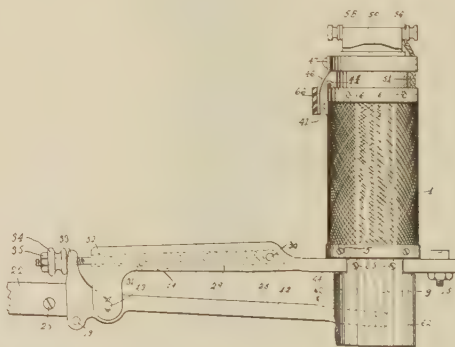
1. In combination, an indicator, means including an actuating member and a rotatable member for driving said indicator from a predetermined starting point, said

rotatable member being adapted to adjust said actuating member, means for restoring said members to said starting point, locking devices normally engaging the actuating member and the indicator, and a locking device for the rotatable member which is normally disengaged



therefrom, a periodically operated release means arranged to disconnect the driving means and the normally engaged locking devices and to cause the engagement of the last mentioned locking device with the rotatable member, and means for moving the indicator relatively to its actuator when it is unlocked.

15,652. OPERATOR'S OUTFIT FOR ELECTRIC WELDING. ERNST WOLTMANN, New York, N. Y. Filed Dec. 31, 1919. Serial No. 348,682. Original No. 1,284,529, dated Nov. 12, 1918, Serial No. 25,179, filed May 1, 1915. 83 Claims. (Cl. 219—8.)



1. An electric welder comprising, with means for supplying electricity thereto and means for operating the welder, welding terminals connected to said means for supplying electricity and operatively supported and providing an electrode, terminal means connected to said means for supplying electricity and attachable to the work and providing an electrode, means for moving said welding terminal means to the work when said attachable terminal means is electrically connected to the work, and means for moving said welding terminal means away from the work.

DESIGNS.

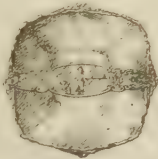
JULY 10, 1923.

62,630. LIGHTING-FIXTURE PART. PERCY I. ANSORGE, Brooklyn, N. Y. Filed Aug. 8, 1922. Serial No. 3,327. Term of patent 7 years.



The ornamental design for a lighting fixture part as shown and described.

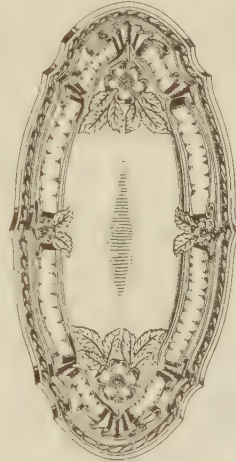
62,631. BASKET. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Inc., Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 13, 1922. Serial No. 3,714. Term of patent 7 years.



The ornamental design for a basket substantially as shown.

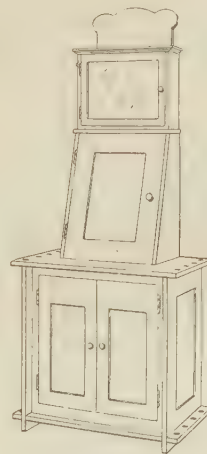
312 O. G.—17

62,632. PLATE FOR LIGHTING FIXTURES. HAMILTON T. HOWELL, New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Aug. 28, 1922. Serial No. 3,579. Term of patent 14 years.



The ornamental design for a plate for lighting fixtures, as shown.

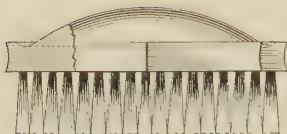
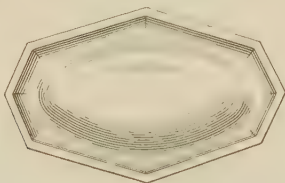
62,633. DISPLAY STAND. JOHN C. HUNTER, Cincinnati, Ohio, assignor to Jacob Meerse, Cincinnati, Ohio. Filed Oct. 3, 1922. Serial No. 3,872. Term of patent 14 years.



The ornamental design for a display stand, substantially as shown.

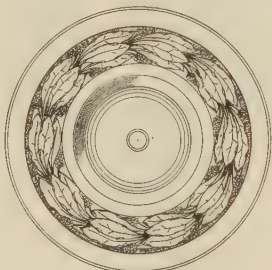
249

62,634. BRUSH. EVELYN VAN NORMAN KRIEHN, New York, N. Y. Filed May 1, 1922. Serial No. 2,024. Term of patent 14 years.



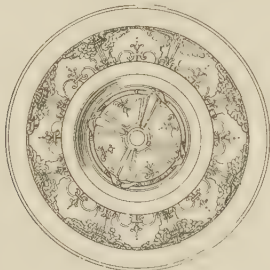
The ornamental design for a brush as shown.

62,635. LIGHTING-FIXTURE PAN. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922. Serial No. 2,988. Term of patent 7 years.



The ornamental design for a lighting fixture pan as shown.

62,636. LIGHTING-FIXTURE PAN. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922. Serial No. 2,989. Term of patent 7 years.



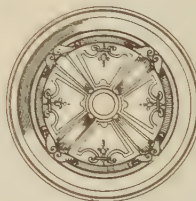
The ornamental design for a lighting fixture pan as shown.

62,637. LIGHTING-FIXTURE BAND. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922. Serial No. 2,990. Term of patent 7 years.



The ornamental design for a lighting fixture band as shown.

62,638. LIGHTING-FIXTURE BODY. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922. Serial No. 2,991. Term of patent 7 years.



The ornamental design for a lighting fixture body as shown.

62,639. LIGHTING-FIXTURE ARM. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922. Serial No. 2,995. Term of patent 7 years.



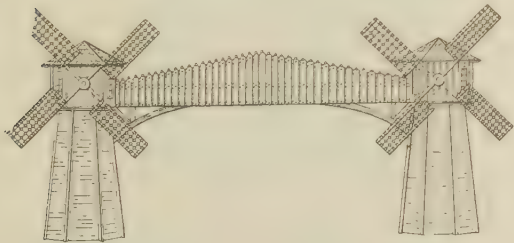
The ornamental design for a lighting fixture arm as shown.

62,640. CONTAINER FOR FROZEN Dainties. FRANK E. MAYOL, Salt Lake City, Utah. Filed June 19, 1922. Serial No. 2,744. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a container for frozen dainties, as shown.

62,641. ENTRANCE ARCH. WILLIAM W. PAINE, Palms, Calif. Filed Mar. 1, 1922. Serial No. 961. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an entrance arch, as shown.

62,642. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio, assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,374. Term of patent 7 years.



The ornamental design for a lighting fixture, substantially as shown.

62,643. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio, assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,375. Term of patent 7 years.



The ornamental design for a lighting fixture, substantially as shown.

62,644. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio, assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,377. Term of patent 7 years.



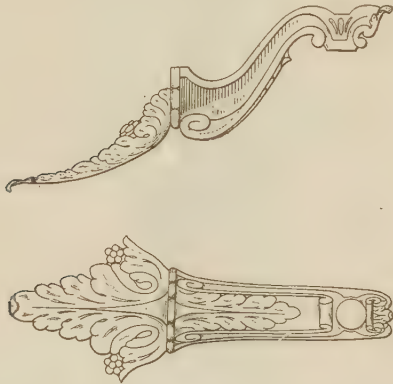
The ornamental design for a lighting fixture, substantially as shown.

62,645. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio., assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,378. Term of patent 7 years.



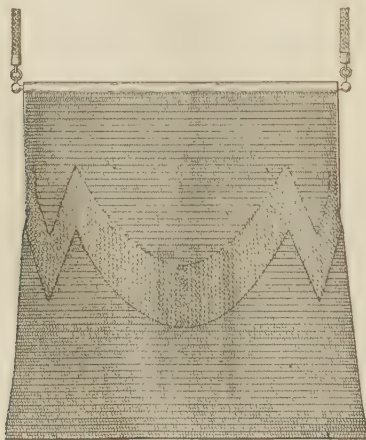
The ornamental design for a lighting fixture, substantially as shown.

62,646. ARM FOR LIGHTING FIXTURES. MAX F. ROSACKER, Mount Penn, Pa. Filed Oct. 11, 1922. Serial No. 3,940. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,647. MESH BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed July 28, 1922. Serial No. 3,230. Term of patent 7 years.



The ornamental design for a mesh bag as shown.

62,648. CATCH FOR NECKLACES. HARRY C. SCHICK, Newark, N. J. Filed Feb. 7, 1923. Serial No. 5,101. Term of patent 3½ years.



The ornamental design for a catch for necklaces, as shown.

62,649. CATCH FOR NECKLACES. HARRY C. SCHICK, Newark, N. J. Filed Feb. 7, 1923. Serial No. 5,103. Term of patent 3½ years.



The ornamental design for a catch for necklaces, as shown.

62,650. CATCH FOR NECKLACES. HARRY C. SCHICK, Newark, N. J. Filed Feb. 7, 1923. Serial No. 5,104. Term of patent 3½ years.



The ornamental design for a catch for necklaces, as shown.

62,651. CATCH FOR NECKLACES. HARRY C. SCHICK, Newark, N. J. Filed Feb. 7, 1923. Serial No. 5,105. Term of patent $3\frac{1}{2}$ years.



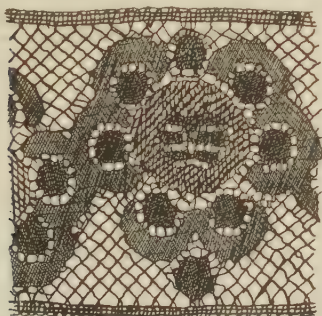
The ornamental design for a catch for necklaces, as shown.

62,652. MACHINE EMBROIDERY. ERNST OTTO SCHÜLER, Falkenstein, Germany, assignor to Perlmann, Schal & Stern, New York, N. Y., a Copartnership composed of Nicholas Perlmann, George Schal, and Herman Stern. Filed July 15, 1922. Serial No. 3,090. Term of patent $3\frac{1}{2}$ years.



The ornamental design for machine embroidery as shown.

62,653. LACE. THOMAS HENRY SMEDLEY, Long Eaton, England, assignor to Richmond Lace Works, Alton, R. I., a Corporation of Maine. Filed Nov. 29, 1922. Serial No. 4,450 $\frac{1}{2}$. Term of patent $3\frac{1}{2}$ years.



The ornamental design for lace, as shown.

62,654. DISH. JULES H. VENON, New York, N. Y. Filed Jan. 6, 1922. Serial No. 63. Term of patent 7 years.



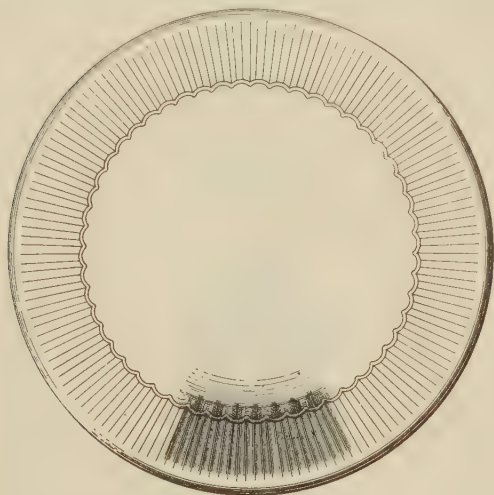
The ornamental design for a dish, as shown.

62,655. DISH. JULES H. VENON, New York, N. Y. Filed Jan. 6, 1922. Serial No. 64. Term of patent 7 years.



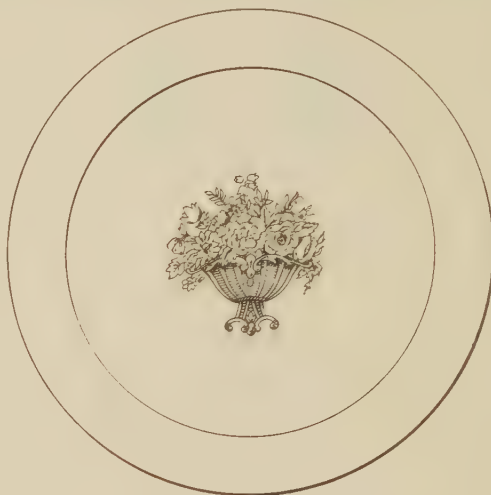
The ornamental design for a dish, as shown.

62,656. DISH. JULES H. VENON, New York, N. Y. Filed Jan. 6, 1922. Serial No. 65. Term of patent 7 years.



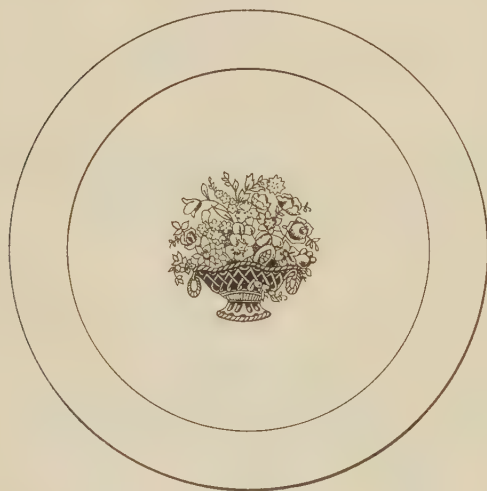
The ornamental design for dish, as shown.

62,658. DISH. JULES H. VENON, New York, N. Y. Filed Feb. 25, 1922. Serial No. 892. Term of patent 7 years.



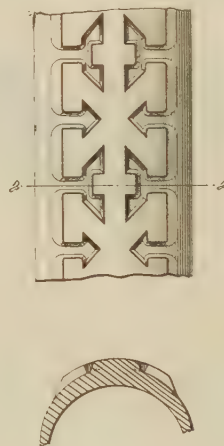
The ornamental design for a dish, as shown.

62,657. DISH. JULES H. VENON, New York, N. Y. Filed Feb. 25, 1922. Serial No. 891. Term of patent 7 years.



The ornamental design for a dish, as shown.

62,659. RUBBER TIRE. CHARLES H. WHEELER, East Palestine, Ohio. Filed Oct. 20, 1921. Serial No. 509,184. Term of patent 7 years.

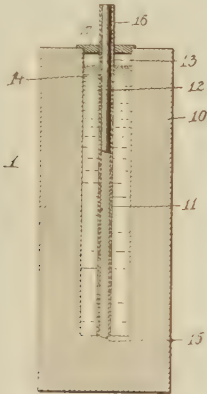


The ornamental design for a rubber tire, as shown.

PATENTS

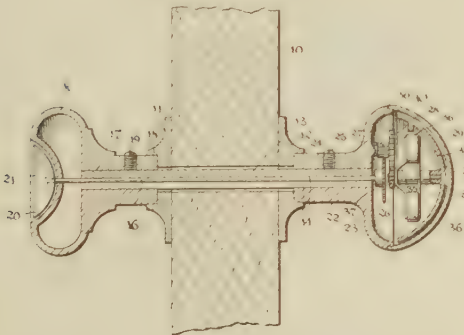
GRANTED JULY 10, 1923.

- 1,461,018. METHOD OF MAKING TUBULAR BODIES. PERCY A. E. ARMSTRONG, Boudonville, N. Y. Filed Feb. 3, 1919. Serial No. 274,638. 2 Claims. (Cl. 29—160.4.)



1. The process of making tubular bodies such as hollow drill rod and the like which consists in casting an ingot around a core, treating the ingot and core for elongation and reduction of cross-section, as by rolling and removing the core.

- 1,461,019. DOORBELL. JOHN ALEXANDER BAGINLEY, Hoquiam, Wash. Filed Apr. 4, 1922. Serial No. 549,541. 1 Claim. (Cl. 116—153.)



In combination, a pair of hollow door knobs, each having a stem projection from the inner side thereof and each stem being provided with a longitudinal bore communicating with the interior of the associated knob, a spindle having its ends disposed within the stems of said knobs, said spindle being split longitudinally to provide a plurality of sections, one of said sections being wedge-shaped and the sections adjacent to the wedge section each having a face adapted to co-operate with the wedge section for enlarging said spindle when the wedge-shaped section is pressed inwardly, a set screw carried by each stem adapted to be manipulated for pressing said wedge-shaped spindle section inwardly and thereby clamp the ends of the spindle within the door knob stems, and said spindle sections having their inner edges recessed to provide a bore extending longitudinally and centrally of the spindle, a shaft extending through said bore and said shaft having one end disposed within a door knob

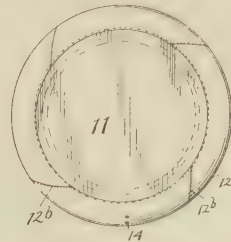
and its other end extending through the associated door knob and carrying means whereby the shaft may be manually rotated, and a bell supported within the other door knob and adapted to be operated by the operation of said spindle.

- 1,461,020. HOBBYHORSE TOY. LOUIS D. BARR, Tacoma, Wash. Filed Feb. 28, 1922. Serial No. 539,977. 1 Claim. (Cl. 46—37.)



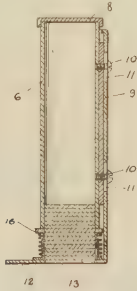
A device of the class described, comprising a standard having one end forming a handle, a seat mounted on the standard between the ends, an axle secured intermediate its ends to the other end of the standard, the center line of the axle and standard intersecting, and wheels mounted on the ends of the axle and spaced a substantial distance apart, whereby the weight of the user is applied to the wheels at the axes thereof between the points of engagement with the ground to prevent the device from turning over in use.

- 1,461,021. SPARE-TIRE COVER FOR AUTOMOBILES. WARWICK G. BATE, Newton Falls, Ohio. Filed Sept. 4, 1920. Serial No. 408,158. 2 Claims. (Cl. 150—54.)



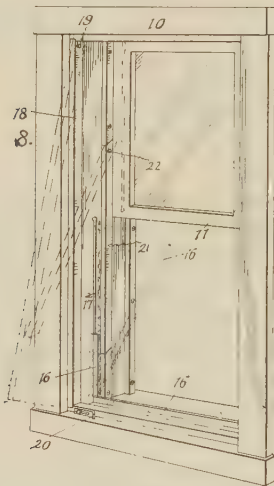
1. A cover for a spare tire comprising a circular piece of material, a strip of bias cut fabric attached to the periphery of said circular portion to form a part which is adapted to be extended over and around the rear of the tire, and means carried by the free edge of said strips, for stretching said strip about the tire and for securing it against removal therefrom.

1,461,022. ADJUSTABLE METAL-TICKET CHANGER. EDWIN BECKER and ERNEST ABER, Racine, Wis. Filed Aug. 20, 1921. Serial No. 494,008. 2 Claims. (Cl. 133-5.)



1. A metal ticket changer comprising tubular ticket holding means, registering aperture ticket discharging means, and a telescoping member for regulating the number of tickets to be discharged through the registering apertures.

1,461,023. WINDOW CONSTRUCTION. PAUL BECKER, East Cleveland, Ohio. Filed Mar. 13, 1922. Serial No. 543,232. 4 Claims. (Cl. 20-52.4.)

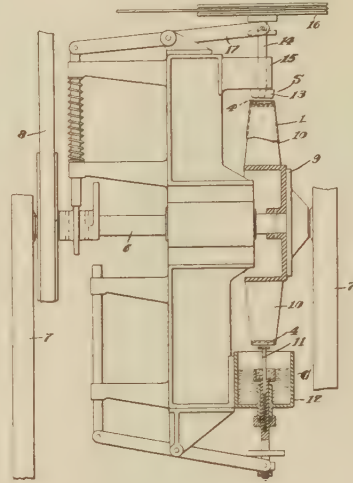


1. In a window construction, a window frame having upper and lower sashes slidable vertically in guideways formed by the frame, weather stripping carried by the frame and engaged by said sashes, sections of the weather stripping engaged by upright portions of the sashes on one side of the frame being removable, and said frame having on the side upon which the removable weather stripping is mounted molding strips with movable portions normally forming the inner walls of the upright guideways for the sashes and permitting the removal of the sashes when the removable sections of the weather stripping are removed, said sashes being movable laterally sufficiently to permit the side freed from the weather stripping and molding strips to be swung inwardly.

1,461,024. METHOD OF AND APPARATUS FOR PRODUCING WATERPROOFED RECEPTACLES. WILLIAM EVERET BENSON, Wilmington, Mass. Filed Oct. 16, 1922. Serial No. 594,775. 7 Claims. (Cl. 93-55.)

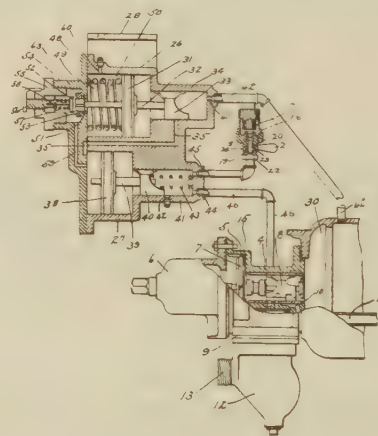
1. The method of manufacturing a waterproofed paper receptacle having a side wall and a flanged bottom

closure, consisting in adhesively coating the flange of said bottom closure while said closure is retained on a forming mandrel, in applying the side wall to said mandrel, in folding the lower edge of said side wall to pro-



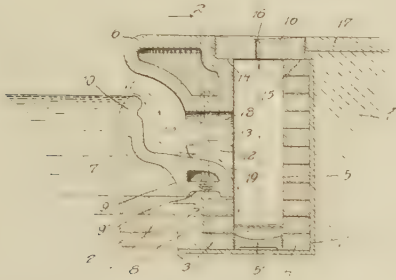
vide a flange enclosing said bottom closure flange, and in internally expanding the bottom closure flange against the side wall flange to cause said flanges to adhere to each other.

1,461,025. AIR-BRAKE MECHANISM. LESLIE G. BLACK, Sioux City, Iowa. Filed Mar. 30, 1921. Serial No. 457,022. 12 Claims. (Cl. 303-78.)



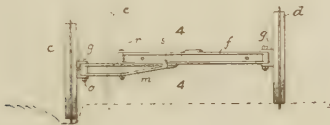
1. A brake system embodying a source of fluid pressure, brake mechanism including a fluid-pressure passage, an exhaust passage, valve mechanism for placing said passages in and out of intercommunication, a fluid-pressure-retaining valve, a communicating passage between the exhaust passage and the retaining valve, and means for controlling the retaining valve, including a valve chamber communicating with said communicating passage and having an exhaust opening, valve mechanism within said chamber, actuated from said source of pressure to close the exhaust opening when the pressure in said source is subnormal, and actuated by pressure from the communicating passage to open the exhaust opening when the pressure in said source is normal.

- 1,461,026. SWIMMING-POOL CONSTRUCTION. JOHN FRANCIS BOORAEM, Greenwich, Conn. Filed Mar. 8, 1922. Serial No. 542,099. 12 Claims. (Cl. 4—2.)



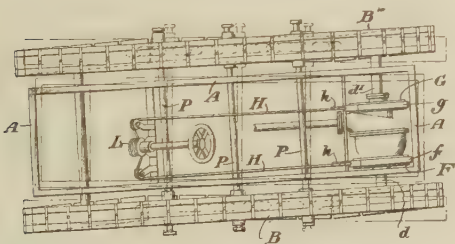
1. A swimming pool construction comprising an overflow gutter and a trench extending longitudinally of the margin of the pool in spaced relation to each other and transverse passages affording direct communication between said gutter and trench.

- 1,461,027. TRACTOR. JAMES W. BROCKSON, Middletown, Del., assignor of one-half to P. L. McWhorter, Middletown, Del. Filed June 8, 1921. Serial No. 475,943. 2 Claims. (Cl. 280—96.1.)



1. In a tractor for use in plowing, in combination with the front axle and wheels, means to have one of the guiding wheels run in a line outside of the regular wheel base and at a lower level than the other wheels, said means comprising an extension piece with its outer end formed to receive the wheel steering knuckle and its inner end adapted to clamp the axle and bored intermediately to receive a bolt dropped through the king-pin hole of the axle for firmly securing the extension piece beneath said axle.

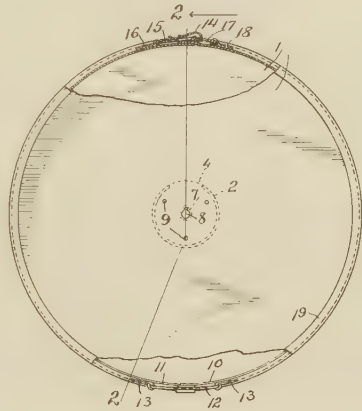
- 1,461,028. ENDLESS-TRACK VEHICLE. LEWIS K. DAVIS, Washington, D. C. Filed Mar. 20, 1923. Serial No. 626,376. 5 Claims. (Cl. 180—91.)



1. An endless track vehicle comprising a frame, endless flexible tracks carried thereby, a frame supporting member bearing on the lower run of each track and each mounted to move laterally in unison with a corresponding lateral movement of the portion of the track which it

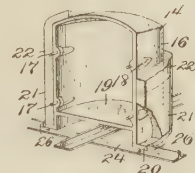
engages, driving pulleys and idlers for the tracks, differential gearing connecting the driving pulleys and independently operable brakes therefor, the application of either brake reducing the speed of the associated pulley and correspondingly increasing the speed of the other pulley to bend laterally only the lower reach of said track between the pulley and idler and give lateral movement to the body supporting members.

- 1,461,029. SAFETY FILM REEL. LEO J. DOTY, Kansas City, Mo. Filed July 21, 1919. Serial No. 312,156. 1 Claim. (Cl. 206—59.)



A safety film reel cover comprising two members having means for embracing the edges of the heads of a film reel and having one set of ends which overlap each other hinged together, the other set of ends being adapted to overlap each other in the closed position, said members where they overlap having their inner surfaces flush with each other, and means for releasably locking together the free ends of said members, substantially as set forth.

- 1,461,030. FUEL SAVER. ALFRED EDMOND, Kearney, N. J. Filed Nov. 23, 1921. Serial No. 517,306. 3 Claims. (Cl. 126—148.)

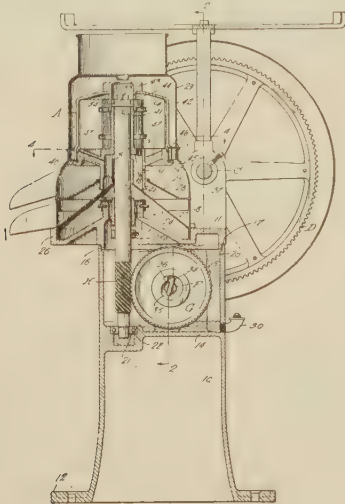


1. A fuel saver comprising a casing formed of two members adapted to be secured side by side, a covering of refractory material, said covering comprising a lower member to surround the bottom part of the casing and an upper part to surround the upper sides and the top of the casing.

- 1,461,031. CENTRIFUGAL SEPARATOR. HARVEY FELDMEIER, Little Falls, N. Y., assignor to D. H. Burrell & Co., Inc., Little Falls, N. Y. Filed Oct. 26, 1920. Serial No. 419,652. 8 Claims. (Cl. 233—23.)

1. In a centrifugal separating machine, a bowl supporting frame comprising a hollow body and a top removably

secured thereon and forming a support for a receptacle for separated liquid, the joint between said top and body



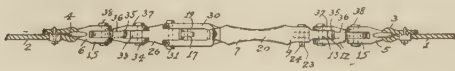
being circular and said top having a circular seat for said receptacle eccentric to said circular joint.

- 1,461,032. CENTER PUNCH. ALEXANDER FORSYTH, Westboro, Mass., assignor to Arthur M. Fraser, Westboro, Mass. Filed Oct. 27, 1920. Serial No. 420,009. 1 Claim. (Cl. 81—1.)



A center punch embodying therein a member provided with a point at its lower extremity and also provided with a shoulder formed thereon, a shank located at the upper extremity of said member and having screw-threaded engagement therewith, a head formed integral with said shank at the upper end thereof and provided with a recess therein constituting a finger rest, a striker slidably mounted upon said shank and a spring surrounding said shank between said head and said striker and adapted to force said striker against said shoulder.

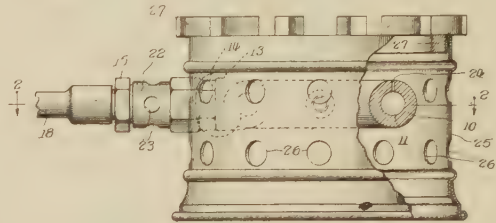
- 1,461,033. SWIVELED COUPLING. ALFRED S. FRIEZE, Fossil, Oreg. Filed Sept. 19, 1919. Serial No. 324,789. 1 Claim. (Cl. 24—123.)



In a coupling of the character described, the combination with a bar member having a slotted end and an arm diagonally slotted and pivoted to said bar and adapted to be locked parallel to said bar and capable of being swung upwardly on its pivot, of an engaging slide block having interlocking portions with said diagonal slot in the pivot bar, and to cooperate with the bar when the arm is locked in a parallel position, bifurcated members

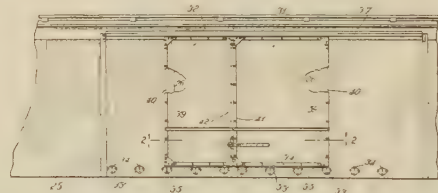
pivotally mounted on said bar and on said slide block, and cable attaching hooks connected to said bifurcated members for a swivel movement permitting a free rotation of said hooks.

- 1,461,034. ACETYLENE-GAS BURNER. WILLIAM J. FRISBIE, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 8, 1922. Serial No. 535,025. 1 Claim. (Cl. 158—99.)



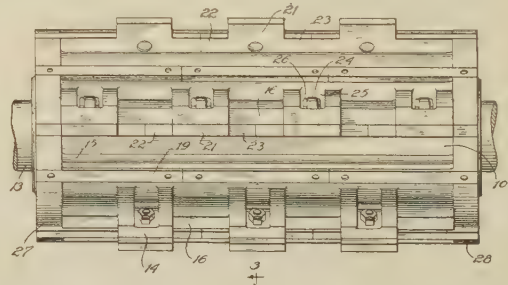
In a gas burner, the combination of a body having an annular gas chamber therein, an extension on said body providing a gas inlet passageway to said chamber, the outer and inner sides of said passageway being tangential respectively with the outer and inner sides of said chamber whereby gas will flow directly tangentially from said passageway into said chamber, and gas combustion outlets from said chamber.

- 1,461,035. DOUBLE-DOOR CONSTRUCTION FOR RAILWAY CARS. GARTH G. GILPIN, Riverside, Ill., assignor to Walter P. Murphy, New York, N. Y. Filed May 29, 1920. Serial No. 385,102. 28 Claims. (Cl. 20—22.)



2. The combination with a railway car having a door opening and a pair of doors to close said opening, of means on one of said doors adapted to receive and support a bodily removable upright cooperating strip.

- 1,461,036. CRUSHER ROLL. THOMAS A. HIBBINS, Wellsville, Ohio, assignor to The Stevenson Company, Wellsville, Ohio, a Corporation of Ohio. Filed Dec. 7, 1922. Serial No. 605,349. 3 Claims. (Cl. 83—12.)



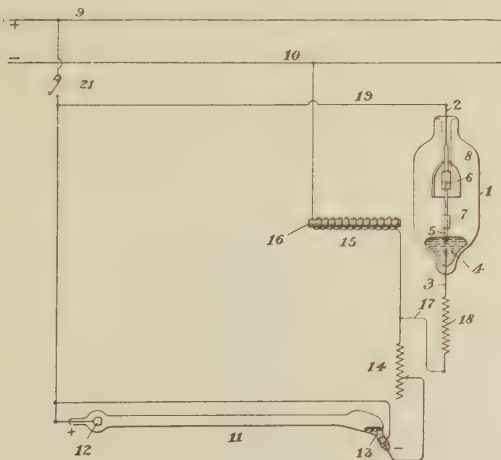
1. A crusher roll structure for crushing machines comprising the roll body, longitudinal rows of long teeth on said body and shorter teeth between said long teeth in said rows, a channel in front of each row, a wearing plate of hard material seated in said channel in front of each long tooth and having extensions engaging in front of part of the adjacent shorter teeth, and means for detachably securing each plate to the corresponding long tooth.

1,461,037. DRILLING TOOL. WILLIAM R. HOWARD, Washington, D. C. Filed Aug. 3, 1918, Serial No. 248,114. Renewed Jan. 19, 1923. 6 Claims. (Cl. 255—4.)



1. In a drilling apparatus, the combination with a drill stem, of a hollow jacket member secured to the lower end of the drill stem, a motor enclosed in said jacket, means for controlling the operation of said motor, from the ground, a cutting tool projecting into said jacket, operative connections between the motor and cutting tool for rotating the latter, and cutting bits carried by the tool.

1,461,038. STARTER FOR ELECTRICAL TRANSLATING DEVICES. FREDERICK G. KEYES, Hoboken, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed July 2, 1918. Serial No. 243,012. 8 Claims. (Cl. 200—152.)

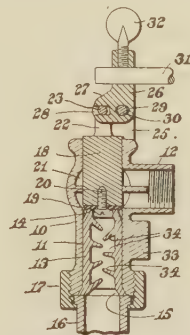


4. A circuit interrupter comprising a stationary container, terminals therein, one of which terminals is a pendulum, and a skirt surrounding the pivoted end of the pendulum.

1,461,039. REMOVABLE VALVE SEAT FOR BALL COCKS. FREELAND D. LESLIE, Milton, Mass. Filed Jan. 27, 1921. Serial No. 440,303. 5 Claims. (Cl. 137—104.)

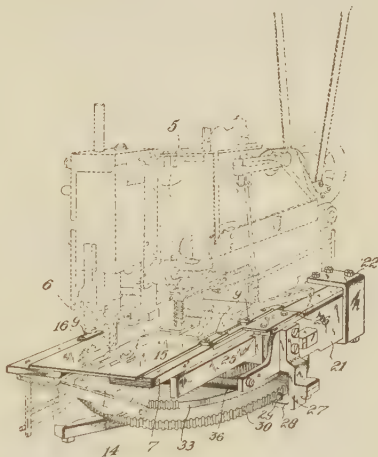
5. In a device of the class described, a tubular member provided with a valve seat at one end and having

formed integral therewith a plurality of inwardly extending ribs alternately disposed on the opposite sides of



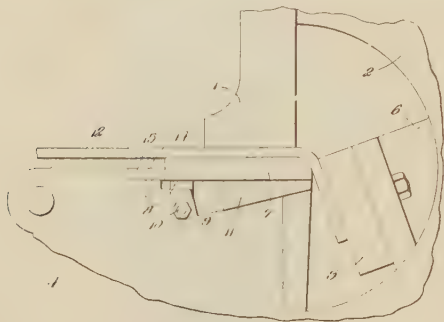
said member with their inner ends at the axis of said tubular member.

1,461,040. BUTTONHOLE-SEWING MACHINE. ARTHUR E. LINDNER, Brooklyn, N. Y., assignor to The L. and H. Special Machine Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 27, 1921. Serial No. 464,850. 2 Claims. (Cl. 112—70.)



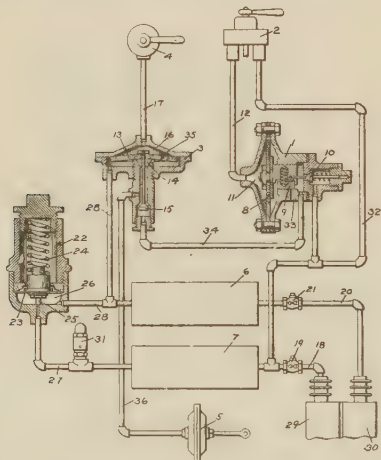
1. In a machine for sewing around the edges of button-holes of key hole shape, in combination with a needle mounted to reciprocate in a constant vertical position, superposed plates, means for holding the material upon the uppermost plate against movement with respect thereto, means for shifting said plates laterally as a unit and additional means operating simultaneously with the first named means to impart a longitudinal shifting movement to the uppermost plate with respect to the lower plate and thereby vary the position of the button-hole in the material with respect to the line of movement of the needle to progressively form a line of stitching around the edge of the button-hole with the individual stitches extending substantially at right angles thereto; said laterally and longitudinally shifting means comprising disk cams in fixed relation one above the other, a spring controlled pivoted arm provided with a dependent bracket carrying a roller engaging the periphery of the primary disk cam, a bed supported slide block provided with a dependant boss engaging the periphery of the secondary disk cam and a pin dependant from said top plate and engaging a groove in the bottom plate and a channel in said block disposed at right angles to said groove, and a spring for holding said boss in contact with said secondary cam.

1,461,041. FLANGING MACHINE. HUGH McCABE, Lawrence, Mass. Filed July 31, 1922. Serial No. 578,589. 2 Claims. (Cl. 153—16.)



1. A breaker piece for a machine having a flat face to receive the working pressure of a part thereon, and an opposed inclined face supported by another part of the machine correspondingly inclined, the angle of inclination of the faces being such that the coefficient of friction between the inclined faces will be substantially ample to resist the working strains of the machine, and slight means for holding the inclined piece in position.

1,461,042. AUTOMOTIVE BRAKE. WILLIAM C. McWHIRTER, Wilkesburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 29, 1922. Serial No. 571,649. 4 Claims. (Cl. 303—85.)

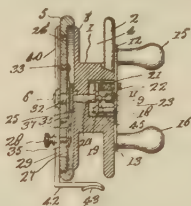


1. In a fluid pressure brake, for automotive vehicles, the combination with a service and an emergency reservoir normally in communication and means for cutting off communication from the emergency reservoir to the service reservoir upon a predetermined reduction in pressure in the service reservoir, of a service valve device for normally controlling the supply of fluid from the service reservoir to effect an application of the brakes and an emergency valve device for controlling the supply of fluid from the emergency reservoir to effect an application of the brakes.

1,461,043. FISHING REEL. WILLIAM C. MOLL, Brooklyn, N. Y. Filed May 7, 1921. Serial No. 467,561. 2 Claims. (Cl. 242—84.6.)

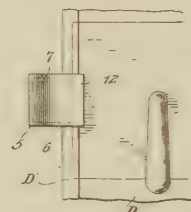
1. A fishing reel comprising a head adapted to be carried by the fishing rod, a relatively short spindle projecting from the head, a reel body received against said head and having an axial opening for the passage of said spindle, said reel body having at its outer side a relatively deep recess communicating with the opening

and receiving the spindle end, a removable plate closing the mouth of the recess and having an elongated socket projecting wholly inwardly of said plate and positioned to receive and support the end of the relatively short spindle, an elongated pivot carried by the plate at one side of said socket and projecting into the recess farther than the end of said socket, a detent swingingly secured



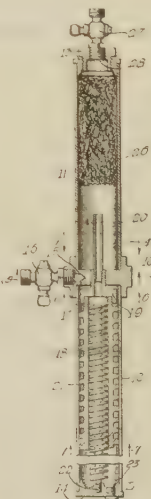
on said pivot and adapted to interlock with the spindle, an elongated operated pin projecting through said plate and into the recess at the opposite side of said socket, said pin being connected with the free end of said detent, said plate being slotted to admit of the movement of the detent, and a spring associated with said pin and with said plate for normally urging the detent into the interlocked position.

1,461,044. PROTECTING DEVICE FOR LATCH PARTS. LEON OTTINGER, New York, N. Y. Filed Oct. 22, 1920. Serial No. 418,706. 7 Claims. (Cl. 70—16.)



2. A protecting device comprising a hollow casing shaped to the general configuration of the projecting part of a latch bolt when in normal projected position and extending about on all sides and on the end of the latch bolt, said casing adapted to frictionally engage the projecting portion of the bolt to hold the same against creeping or being accidentally moved away from the lock casing.

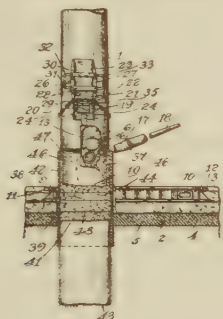
1,461,045. AIR SEPARATOR. JENS A. PAASCHE, Chicago, Ill. Filed Oct. 24, 1918. Serial No. 259,539. 10 Claims. (Cl. 183—66.)



1. An air separator comprising, in combination, two aligned upright tubes, an intermediate head closing the

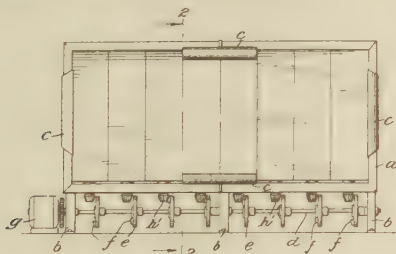
adjacent ends of both tubes, heads closing the remote ends of said tubes, said intermediate head having an air inlet opening into the lower tube and having a drain cock opening from the upper tube, the uppermost head having an air outlet and the lowermost head having a drain cock, means in the lower tube for condensing and collecting moisture, and additional collecting means in the upper tube.

1,461,046. METHOD OF RESTORING POLES. FREDERICK W. PATTERSON, Pittsburgh, Pa. Filed May 17, 1919. Serial No. 297,939. 4 Claims. (Cl. 20—100.)



1. In a method for restoring the butts of poles, raising the pole vertically to a point where the decayed portion of said pole is exposed above the surface of the ground, severing the stump and removing the said decayed portion; removing the pole laterally away from its original position, and dressing the ends of the pole and stump to fit a metal tube; lowering the stump to its first position, adjusting the metal tube on the end of said stump and partly filling the tube with tamped earth and cement grout; and returning and lowering the pole to a position within the metal tube thereby displacing some of the cement grout, so that when the grout "sets" a secure bond will be established between the stump, the tube and the pole itself.

1,461,047. ADVERTISING SIGN. JOSEPH L. RAY, South Orange, N. J. Filed May 25, 1920. Serial No. 384,103. 2 Claims. (Cl. 40—76.)

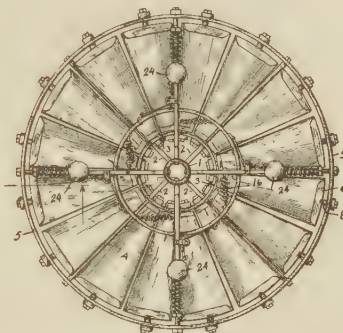


1. An advertising sign comprising a plurality of parallel rotatable prismatic sections, means to support the sections with one set of faces lying in a plane and the proximate edges of such faces in juxtaposition, means to rotate said sections periodically in predetermined sequence with respect to each other to bring another set of faces into said plane, and means to vary the sequential rotation of said sections to produce a fade-away effect.

1,461,048. WINDMILL WHEEL. NEWMAN A. ROMAN, Deer Trail, Colo., assignor of one-fourth to Leslie J. McKay and one-fourth to Harry Hess, both of Deer Trail, Colo. Filed Apr. 13, 1922. Serial No. 552,174. 1 Claim. (Cl. 170—68.)

A windmill wheel comprising a hub member two annular members of different diameters concentric with the

hub and surrounding the same, a plurality of angularly spaced sails pivotally mounted between said annular members, a ring pivotally connected at spaced points to one edge of each sail, a spring secured to said ring and to a stationary portion of the wheel frame and adapted to normally hold the sails at a predetermined angle with respect to the plane of rotation, a pair of diametrically arranged bars, a weight slidably secured to each arm, a spring surrounding each of said bars, an adjustable



abutment for the outer end of the spring, said springs being adapted to yieldingly resist the tendency of said weights to move outwardly due to centrifugal force, a pulley on said bars, a cable passing around said pulley and having one end connected to the ring and the other to the weight whereby the outward movements of the weights will rotate the ring and alter the angle of the sails in accordance with the requirements of the load and the velocity of the wind.

1,461,049. DUSTPROOF AND MOTHPROOF BAG. GEORGE ROTTMAN, New York, N. Y., assignor to Roseth Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 9, 1920, Serial No. 415,925. Renewed May 7, 1923. 3 Claims. (Cl. 229—53.)

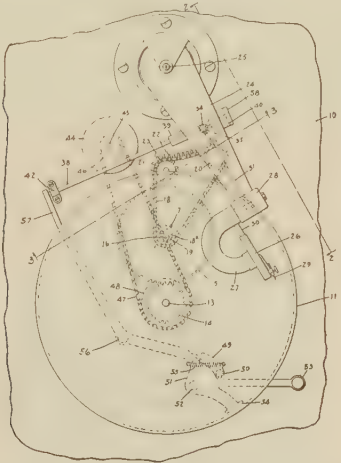


1. A dust-proof bag comprising a body portion and a top closure portion which extends above said body portion when the bag is open, said portions being so creased that the entire bag can be folded flat, means for keeping the top closure portion in a closed and folded position, and flaps secured to the sides of the said bag in a hinge-like manner below the mouth of said bag, the said flaps being creased so that they can be folded when the bag is collapsed into the flat condition, the said flaps being capable of being extended into positions substantially perpendicular to the sides of the said bag so as to maintain the said body in the extended position.

1,461,050. AUTOMATIC STOP FOR PHONOGRAPHS. GEORGE L. SCHUETZ, Zionsville, Ind. Filed Sept. 16, 1921. Serial No. 501,152. 10 Claims. (Cl. 192—118.)

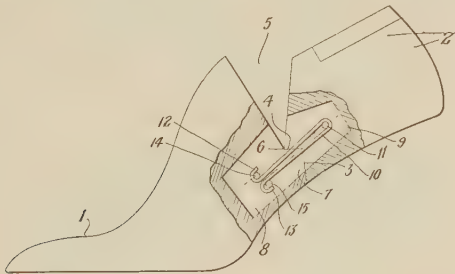
1. A device for arresting the playing of a phonograph record, including a sound reproducing medium adapted to engage said record, engaging and stopping means for arresting the movement of said record, an endless

traveling member arranged to travel at a speed equal to the movement of said medium, and means on said



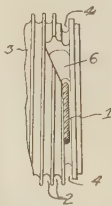
member for causing the actuation of said stopping means upon a variation of speed between said member and sound reproducing medium.

1,461,051. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Apr. 14, 1922. Serial No. 552,612. 7 Claims. (Cl. 12—136.)



1. A last divided transversely into a toe part and a heel part, a link, a pin for preventing displacement of one end of said link with respect to one last part, projections on the opposite end of said link, and a pair of pins cooperating with said projections for preventing displacement of this end of the link, one of said pair of pins cooperating with one projection when the last is extended and the other pin cooperating with the other projection when the last is collapsed.

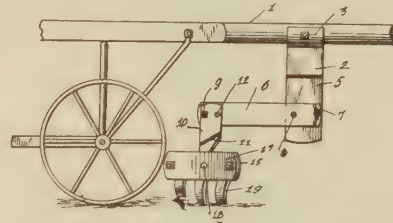
1,461,052. HOIST. WILLIAM E. SIMPSON, Detroit, Mich. Filed Aug. 27, 1920. Serial No. 406,303. 5 Claims. (Cl. 242—117.)



1. In a hoist, the combination with a winding drum, of a flexible hoisting element, a spiral groove in said drum adapted to receive a plurality of convolutions of said element and terminating in a recess, and an enlarged portion on said flexible element adapted to engage

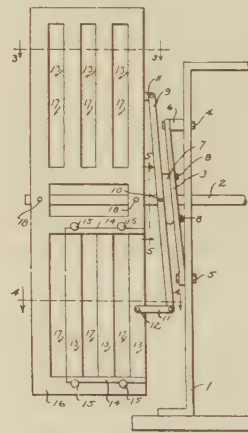
in said recess, said enlarged portion being insertable into said recess from the exterior of said drum and being adapted to be secured therein by a convolution of said flexible element in said groove.

1,461,053. CULTIVATOR HARROW. OTTO V. VANICEK, Temple, Tex. Filed Oct. 10, 1921. Serial No. 506,691. 2 Claims. (Cl. 97—8.)



1. In combination with a cultivator, a plurality of downwardly extending diverging supporting members arranged to be secured to the beam of the cultivator, horizontally disposed arms pivotally secured to the lower end of the said supporting members and extending rearwardly therefrom, downwardly extending arms pivotally secured to the outer ends of the first mentioned arms, the said last mentioned arms being bent at an angle to the first mentioned arms, tooth carrying members secured to the lower ends of said last mentioned arms and extending inwardly and rearwardly toward each other.

1,461,054. PROPELLER. EDWARD VOGEL, West Alexandria, Ohio. Filed Mar. 2, 1922. Serial No. 540,621. 3 Claims. (Cl. 170—28.)

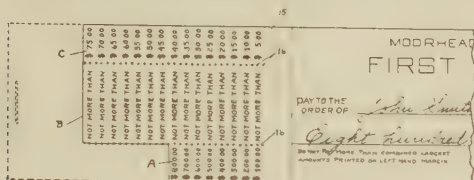


1. In combination, a propeller, a shaft upon which the propeller is mounted, an opening in either end of the propeller in the body thereof, a shutter on either end thereof to close said opening, means mounted upon the propeller shaft and rotating therewith to automatically operate the shutter intermittently to opened and closed position at different points in the revolution of the propeller, said operating means being adapted to rotate with said shaft, and means located adjacent the propeller shaft to cause the operating means to rock.

1,461,055. CHECK-PROTECTING MEANS. GEORGE L. WALKER, Moorhead, Minn. Filed Mar. 20, 1922. Serial No. 545,011. 1 Claim. (Cl. 283—12.)

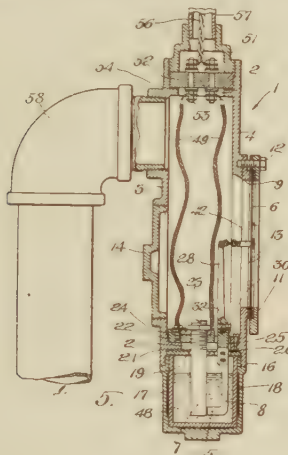
A check book holder having a pocket adapted to slidably receive a check book, and a cutting device at the opening

of the pocket, one wall of said pocket having a transverse slot adjacent to said cutting device, and said cutting



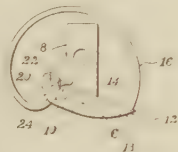
device having a rearwardly projecting edge extending slightly into said slot.

1,461,056. SIGNALING APPARATUS. WILLIAM L. WALKER, New York, N. Y., assignor to Walker Signal and Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed June 22, 1917. Serial No. 176,299. 20 Claims. (Cl. 177—386.)



14. Signaling apparatus comprising a diaphragm, a pair of opposed electrodes, and flexible means for connecting one of the electrodes to the diaphragm so that the electrode may have some movement transverse to the direction of vibration of the diaphragm.

1,461,057. TACK-PULLING DEVICE. FRANK H. WARREN, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 15, 1919. Serial No. 311,042. 17 Claims. (Cl. 12—16.)

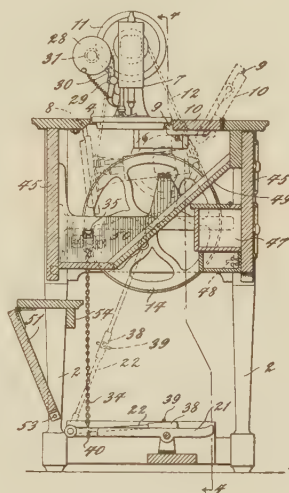


1. A tack pulling device having, in combination, a tack pulling member, and independent means engaging the head of a tack for ejecting the tack from said member.

1,461,058. SEWING-MACHINE DRIVING MECHANISM. LOUIS WELKER, Jr., Williamsport, Pa., assignor to The New Home Sewing Machine Company, Orange, Mass., a Corporation of Massachusetts. Filed Apr. 4, 1921. Serial No. 458,182. 8 Claims. (Cl. 45—27.)

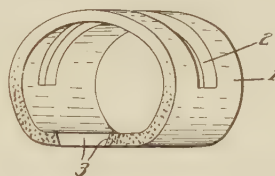
1. In combination, a sewing machine stand having a table top, a sewing machine having a driving pulley, means supporting said machine for movement from an operative position above the table to an inoperative position

below the same, a driving wheel and support therefor below the table, the driving wheel being laterally adjustable on its support from a driving position in alignment with the machine pulley when the machine is raised to



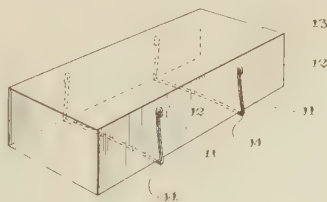
an inoperative position at one side of the path of movement of the machine pulley when the machine is being lowered, a driving connection from the driving wheel to the machine pulley, and operating means for the driving wheel.

1,461,059. RING TRAVELER. PHILIP C. WENTWORTH, Providence, R. I. Filed Apr. 21, 1922. Serial No. 555,930. 11 Claims. (Cl. 118—61.)



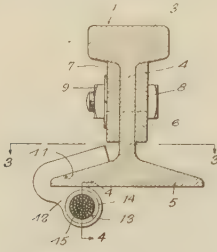
1. A hardened and tempered ring traveler comprising a bow and terminal horns, the tempering effect being greater in the bow portion than in the horns, and the horns having greater hardness than said bow.

1,461,060. SPACER FOR PAVING BLOCKS. WALLACE PERCY WHITNEY, Springfield, Ill. Filed July 26, 1921. Serial No. 487,580. 8 Claims. (Cl. 94—11.)



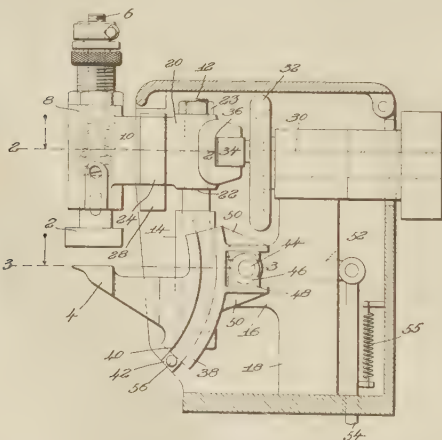
1. In combination with paving blocks, a spacer comprising a substantially U-shaped member having its leg portions slightly bent toward each other and adapted to receive a paving block therebetween and said member having its bridge portion adapted to extend from the paving block and thereby to provide a spacer for said paving block upon opposing sides thereof.

1,461,061. RAIL BOND. THOMAS HAULTON, Johnstown, Pa. Filed Sept. 15, 1919. Serial No. 323,757. 1 Claim. (Cl. 173-278.)



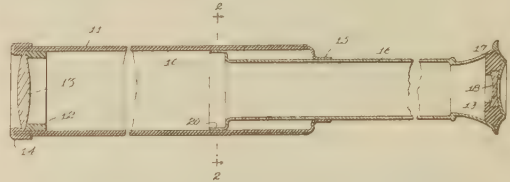
The combination with a pair of aligned rail sections, of a bond electrically connecting the rail sections and comprising a pair of terminal elements clasped around one edge of the base flanges of the rail sections, said elements being made of malleable metal of a low degree of conductivity and being in the form of substantially C-shaped clips having flat substantially rectangular shaped upper members and enlarged lower members disposed respectively above and below the base flanges of the rail sections, said members being relatively arranged normally at a smaller angle than the angle between the upper and lower surfaces of the base flanges of the rail sections and being spread into clasp engagement with the base flanges of the rail sections by said clips being forced upon one edge of said base flanges, the said upper members being of such a width as to extend under the heads of the rail sections and being welded only along their inner edges to the base flanges of the rail sections, whereby said clips can be easily separated from the base flanges of the rail sections by cutting them along the inner edges of their said upper members, the said lower members being provided near their inner edges with longitudinally extending openings, and a flexible conductor located entirely beneath the base flanges of the rail sections and connecting said clips and having its ends disposed in said openings and welded to said lower members, said conductor being of a metal of a comparatively high degree of conductivity.

1,461,062. WELT-BEATING MACHINE. FRED N. LA CHAPPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 15, 1921. Serial No. 461,557. 10 Claims. (Cl. 12-67.2.)



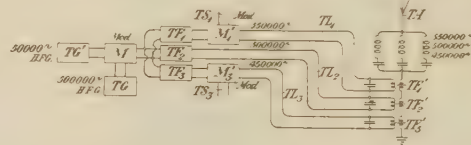
1. A welt beating machine having, in combination, an anvil, a reciprocating hammer to cooperate with the anvil to beat out a welt, and means for relatively adjusting the hammer and anvil during the operation of the machine to vary the angular relation of the working faces of the hammer and anvil.

1,461,063. TELESCOPE. MICHAEL LICHTMAN, New York, N. Y. Filed Dec. 15, 1920. Serial No. 430,819. 1 Claim. (Cl. 88-32.)



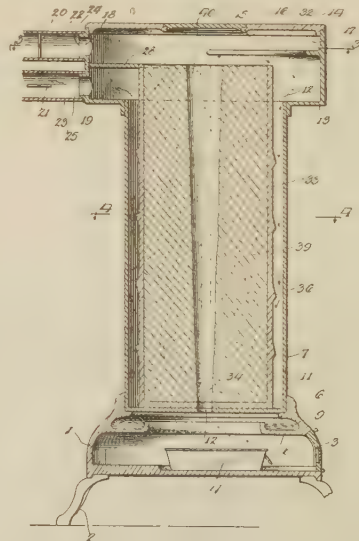
A telescope comprising inner and outer telescoping sections formed of stamped metal, an off-set flange of larger diameter formed on one end of the inner section and bent parallel to the inner surface of the outer section, said flange having a substantial length to form a bearing surface, and a ringlike flange of smaller diameter on the opposite end of the outer section to form the bearing for the inner section, the said second flange bent parallel to the outer surface of the inner section and having a substantial length to form said bearing.

1,461,064. MULTIPLEX TRANSMISSION CIRCUIT. DE LOSS K. MARTIN, Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 10, 1921. Serial No. 443,930. 25 Claims. (Cl. 250-9.)



1. The method of multiplex signaling which consists in generating a plurality of carrier frequencies by modulating one frequency in accordance with another frequency, selecting certain of the resultant frequencies and modulating certain of the selected frequencies in accordance with signaling frequencies.

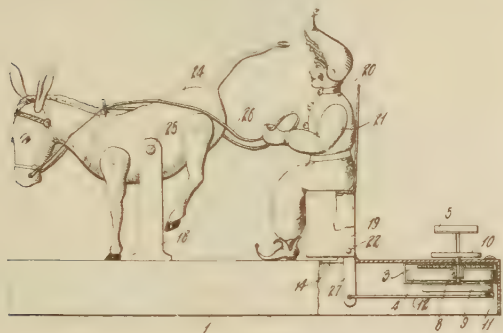
1,461,065. STOVE. SOLON P. MASSEY, Denver, Colo. Filed June 24, 1922. Serial No. 570,554. 4 Claims. (Cl. 126-225.)



1. In a stove, the combination of a drum, a hopper removably fitted within the drum, diametrically opposite ribs upon the hopper constituting baffles between the hopper and the drum and maintaining the hopper in

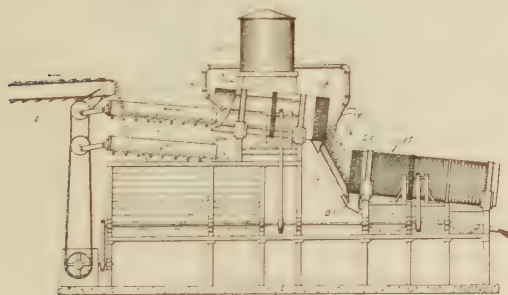
spaced relation to the drum, said ribs terminating short of the lower end of the hopper, upper and lower flues extending from the drum, and a horizontal partition within the drum extending from the wall of the drum at a point between said flues to the ribs on the hopper.

1,461,066. TOY. CALVIN C. MILLER, Summit Hill, Pa. Filed May 6, 1920. Serial No. 379,313. 2 Claims. (Cl. 46—40.)



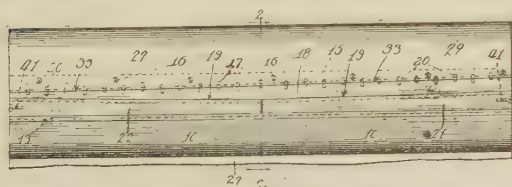
1. In a device of the class described, the combination of a frame, a motor carried by the frame, a primary figure rockably mounted on said frame and actuated by the motor, a secondary figure rockably mounted off center on the frame so that it will be normally in a forward rocked position, and flexible means for connecting said primary figure to said secondary figure so that the former will pull the latter to a rearward position when the former is actuated by said motor.

1,461,067. APPARATUS FOR TREATING SAND AND GRAVEL. ROBERT W. MOSER, Robbinsdale, Minn. Filed Mar. 11, 1922. Serial No. 542,821. 4 Claims. (Cl. 83—59.)



1. The combination with an inclined chute, of a rotatable gravel washer discharging at the head of the chute, a grading screen at the discharge end of the chute, and means between the washer and screen for directing water toward the chute to rinse the material received thereon from the discharge end of the washer.

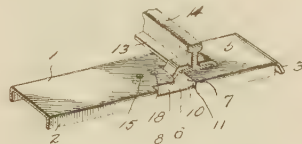
1,461,068. PRINTING ROLLER. THEODORE REGENSTEINER, Chicago, Ill. Filed July 29, 1922. Serial No. 578,310. 8 Claims. (Cl. 101—415.1.)



1. A printing roller of the character described comprising in combination a cylindrical core, a thin and flexible
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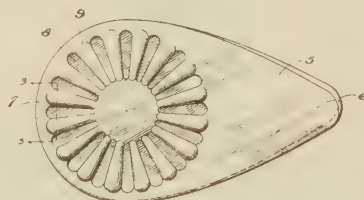
sheet around the core, said sheet having a continuous outer surface, and means for holding the end portions of the sheet in abutment with each other in a continuous line extending from one side edge of the sheet to the other thereof and with the abutting ends readily separable from each other and with a substantially ink tight joint.

1,461,069. RAILROAD MINE TIE AND RAIL FASTENER. THOMAS RICHARDS, Sr., Portage, Pa. Filed Apr. 17, 1922. Serial No. 553,400. 1 Claim. (Cl. 238—60.)



In combination with a railroad tie formed of a substantially channel iron construction, the tie having a substantially L-shaped slot formed therein, the transverse portion of the L-shaped slot extending across the upper face of the tie and terminating short of one side edge thereof, one end of the L-shaped slot constituting an abutment, the longitudinally extending portion of the L-shaped slot extending down through a portion of one side of the tie, a rail engaging portion carried by the tie and adapted to engage a rail, a pivotally mounted rail clamp pivotally secured to the under face of the tie and extending through the slot and being capable of being swung into and out of engagement with a rail through said slot, and means extending through the tie and through the clamp for locking the rail clamp in firm engagement with the tie.

1,461,070. PICK FOR STRINGED INSTRUMENTS. PETER M. RUDESLEY, Passaic, N. J. Filed Sept. 22, 1919. Serial No. 325,469. 6 Claims. (Cl. 84—322.)



6. As a new article of manufacture, a pick for stringed instruments provided with elongated raised and depressed surfaces on each side thereof radiating from a common center, and in close proximity presenting an undulating surface, and terminating short of said common center to present a smooth surface upon either side of the pick, within that encompassed by the said raised and depressed surface.

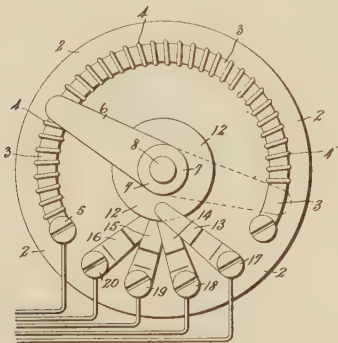
1,461,071. OPHTHALMIC MOUNTING. ELMER L. SCHUMACHER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Jan. 19, 1922. Serial No. 530,278. 6 Claims. (Cl. 88—47.)



1. The process of mounting a lens in a non-metallic frame, consisting in forming a rim with a lens receiving groove, displacing a portion of the wall of the groove,

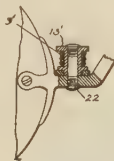
causing the wall to set in displaced position, inserting a lens within the groove, and subsequently restoring the displaced portion of the frame to its original position to secure the lens therein.

1,461,072. RHEOSTAT WITH AUXILIARY CONTACT SYSTEM. DAVID HARRISON SHERIFF, Jr., Kansas City, Mo. Filed Dec. 4, 1922. Serial No. 604,820. 9 Claims. (Cl. 219—55.)



1. In a rheostat wherein is provided a rotary spindle and means cooperating therewith for varying the resistance in circuit; a set of auxiliary contacts, and means bringing the same into action.

1,461,073. OPHTHALMIC MOUNTING. HARRY H. STYLL, Southbridge, Mass. Filed Mar. 12, 1920. Serial No. 365,184. 2 Claims. (Cl. 88—50.)



1. A mounting of the character described comprising a bridge having a post rising therefrom provided with threaded ends, a guard lever and a securing device for the guard lever having a bearing portion encircling the post and projecting through the guard lever, having a steadying portion laterally engaging the lever and an upwardly projecting spring receiving portion, said spring receiving portion being interiorly threaded to lockingly engage the post.

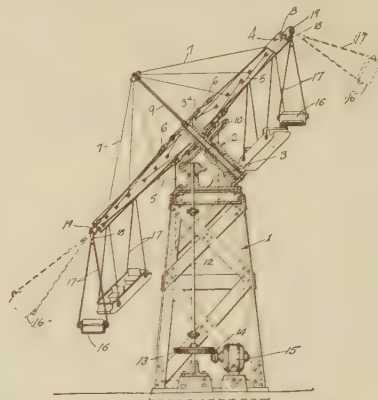
1,461,074. LENS-MARKING DEVICE. EDGAR D. TILLYER and JOHN F. WIXTED, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 11, 1922. Serial No. 581,243. 4 Claims. (Cl. 41—20.)

1. An ophthalmic lens having normally invisible markings thereon rendered visible when moistened and means to retain said markings in a visible state.

1,461,075. AMUSEMENT DEVICE. DOMENICO TUSO, Burbank, Calif. Filed Nov. 11, 1920. Serial No. 423,324. 2 Claims. (Cl. 46—27.)

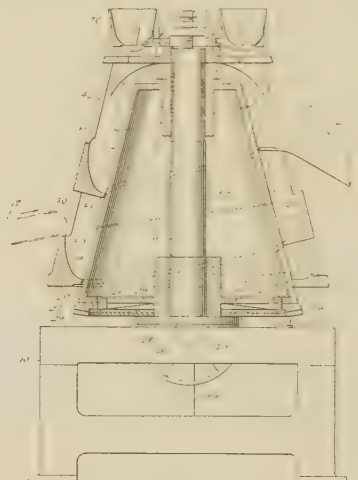
2. An amusement device comprising a support, an inclined bearing sustained on the support, a shaft journaled in the bearing, a wheel fixed to the shaft, a gear fixed to the shaft between the wheel and bearing, a second shaft disposed vertically within the support, driving means operatively connected to the second shaft, a gear fixed to

the second shaft and meshing with the first gear whereby rotation of the wheel is effected, extensions projecting radially from the periphery of the wheel, elements en-



gaging the extensions, and passenger carrying members sustained from the elements so as to be normally disposed in a vertical plane.

1,461,076. DOUGH ROUNDING-UP MACHINE. FRANK H. VAN HOUTEN, Beacon, N. Y., assignor to Dutchess Tool Company, Beacon, N. Y., a Corporation of New York. Filed Oct. 16, 1920. Serial No. 417,469. 11 Claims. (Cl. 107—9.)

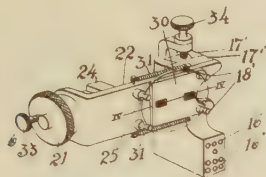


2. In a dough machine, a cone-shaped drum, a spiral molding fence surrounding said drum and having a delivery exit, driving means for rotating said drum, and means for locating said fence with respect to said driving means as to deliver the dough balls in any chosen direction with respect to said driving means.

1,461,077. PROCESS OF MAKING SUPERPHOSPHATES. HYLEMAN ALISON WEBSTER, Columbia, Tenn. Filed May 20, 1922. Serial No. 562,557. 7 Claims. (Cl. 71—7.)

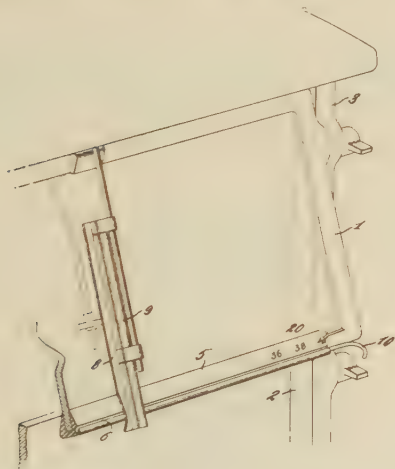
1. The process of making superphosphates which consists in finely subdividing phosphate rock to form a powder; flowing said powder into a mixer; flowing an acid into said mixer simultaneously with said powder, the weight of said acid being less than that theoretically required to convert all the tri-calcium phosphate present into mono-calcium phosphate; mixing said powder and acid into a mass; and eliminating free water present in the mass, substantially as described.

1,461,078. LENS HOLDER. ARTHUR A. ARNOLD, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 26, 1916. Serial No. 127,811. 1 Claim. (Cl. 51—217.)



A lens holder for use in slotting lenses, including a base block provided with means for attaching the same, a bracket rising from the block and carrying a guide bar, a stop rigidly secured on the bar, a lens holding member, a guide lug carried by said holding member for sliding movement on the bar, pins carried by the holding member for engaging the lens, an actuating spring on the bar intermediate the stop and the holder guide lug for inwardly actuating the holder, and means for predetermining the limit of the inward movement of the holder.

1,461,079. WEATHER STRIP. ALBERT B. BEITMAN, Cleveland, Ohio. Filed July 27, 1920. Serial No. 399,357. 6 Claims. (Cl. 296—93.)

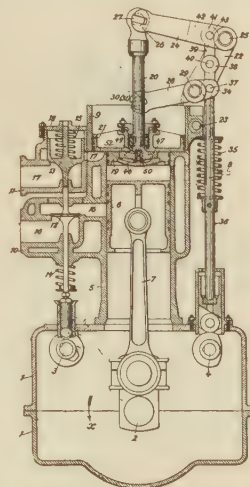


1. A weather strip for windshields comprising a channel member designed for attachment to the edge of the windshield pane and having a water collecting groove within the plane of the front surface of its outer flange.

1,461,080. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. CARL BERGER, Karlsbad, Czechoslovakia. Filed Apr. 4, 1922. Serial No. 549,599. 4 Claims. (Cl. 123—48.)

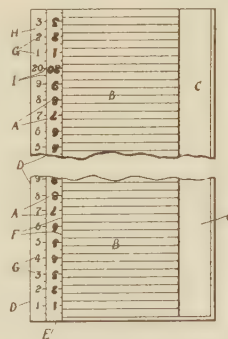
4. In a two cycle internal combustion engine having an auxiliary piston for effecting the exhaust of the products of combustion and suction of the fuel air mixture, a second auxiliary piston (21), serving as a head for the main cylinder (5) and moving in a cylinder (9) placed on top of the main cylinder, a non-circular disc (4) driven from the engine shaft (2) actuating a resiliently supported rod (36) movably connected to the second auxiliary piston (21) by a lever (28), levers (39, 24) movably connecting the resiliently supported rod (36) to a valve in the auxiliary piston (19), providing the disc (46) of the valve in said piston with a central pillar (49) for guiding the disc in the auxiliary piston and also with two hooked

uprights (47) engaging with cams (52) movably arranged on either side of a cross stay (44) of the auxiliary piston (19) and a cam (3) driven from the engine shaft (2)



actuating the resiliently supported spindle of the exhaust (12) and suction-valve (13), for the purpose set forth in the specification.

1,461,081. CORRECTION OF TYPE IN PRINTERS' GALLEYS. THOMAS BURDEN, Warrnambool, Victoria, Australia. Filed Sept. 11, 1922. Serial No. 587,575. 8 Claims. (Cl. 101—400.)

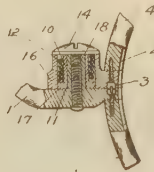


1. A device for the purpose indicated comprising means for printing a vertical row or column of index characters on the proof sheet simultaneously with the printing of the transverse lines of reading matter thereon, and a type line locator having a second vertical row or column of index characters adapted for disposition beside the lines of set-up type, the characters of said second column occupying substantially the same position relative to the lines of type as said printed index characters occupy in relation to the printed lines of the proof sheet.

1,461,082. OPHTHALMIC MOUNTING. CHARLES O. COZZENS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Original application filed Nov. 24, 1917, Serial No. 203,770. Divided and this application filed Sept. 17, 1920. Serial No. 410,921. 5 Claims. (Cl. 88—50.)

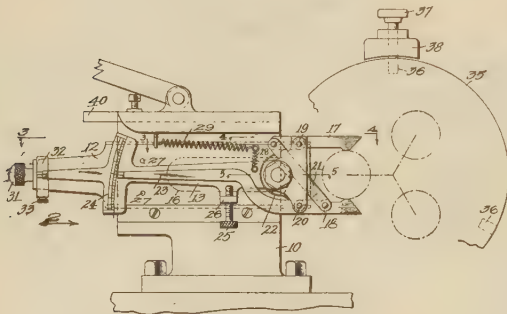
5. A combination frame including a split metallic frame member, a bridge secured to one end of said frame member, a sleeve carried by the other end of said frame member, a non-metallic frame member extending around the

metallic frame member, means for uniting one end of the non-metallic frame member with the bridge and the opposite end with the sleeve, means for securing the



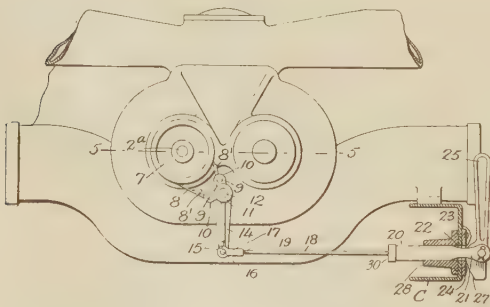
sleeve and bridge together to unite the parts, and a fingerpiece actuating mechanism pivoted to the bridge and contained and concealed within the sleeve.

1,461,083. INDICATING DEVICE. MARK H. DAMERELL, Worcester, Mass., assignor to Wyman-Gordan Company, a Corporation of Massachusetts. Filed Dec. 2, 1919. Serial No. 341,945. 5 Claims. (Cl. 33—148.)



1. An indicating device having in combination a movable support, a pair of contact members mounted on said support, an indicating device connected to said members and effective to indicate the diameter of the work, and a second indicating device effective to simultaneously indicate the transverse position of the work relative to said support, both indications being on substantially enlarged scales.

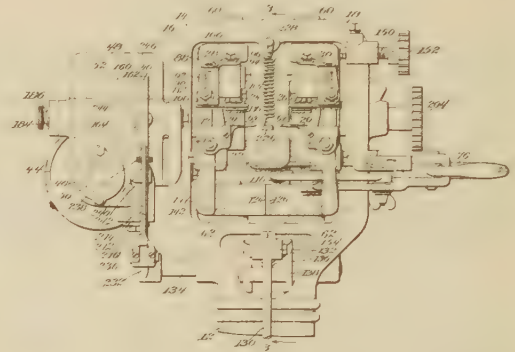
1,461,084. BRAKING ATTACHMENT. JOSEPH L. DEVON, Atlanta, Ga. Filed Aug. 15, 1921. Serial No. 492,304. 1 Claim. (Cl. 188—77.)



The combination with the chassis of a road vehicle, said chassis including a longitudinally extending channel-bar, of a rotating shaft carried by said chassis, a brake-band for said shaft, a pivoted rocker to which the free ends of said brake-band are secured, a pull-rod secured to said rocker, a tubular member loosely projecting through said channel-bar and resiliently connected with said pull-

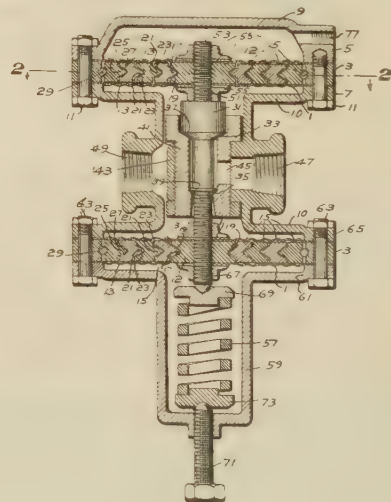
rod, a hand-lever pivotally secured to said tubular member and having a cam face bearing against said channel-bar, and a guide-member secured to said channel-bar and having a cylindrical bore through which said tubular member projects.

1,461,085. MACHINE FOR OPERATING ON SHOE BOTTOMS. EDWARD ERICKSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 15, 1918. Serial No. 228,544. 17 Claims. (Cl. 12—67.)



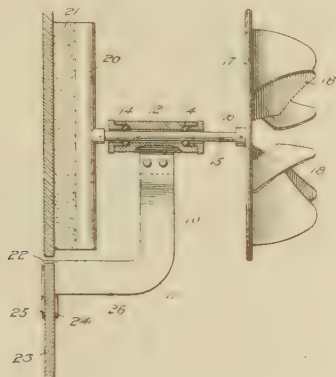
1. A welt-butting machine having, in combination, a welt support for engaging a welted unsoled shoe beneath the end of the welt, a movable supporting arm, a welt-butting cutter carried thereby, and means for actuating said supporting arm to cause said cutter to butt the welt upon said support in substantially a straight line and to return it to initial position in a curved path.

1,461,086. DIAPHRAGM DEVICE. MILTON A. FESLER, Oakland, Calif., assignor to Petroleum Heat and Power Company, a Corporation of Delaware. Filed July 2, 1920. Serial No. 393,647. 10 Claims. (Cl. 236—26.)



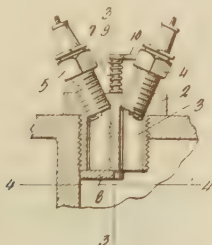
10. A device of the character described, comprising, in combination, a pair of spaced diaphragms, means to confine the margins of said diaphragms, and a plurality of members interposed between said diaphragms having provision to limit relative movement of said members on flexion of the diaphragms in either direction.

1,461,087. WINDSHIELD CLEANER. ARTHUR L. FITZ GIBBON, Washington, D. C. Filed Apr. 15, 1922. Serial No. 553,065. 3 Claims. (Cl. 15—253.)



1. In a wind shield cleaner, a wiper mounted for rotation in contact with the glass of said shield, an air operated fan coaxial therewith, and means operatively connecting said fan and wiper so that the fan will rotate the wiper.

1,461,088. IGNITION DEVICE FOR INTERNAL-COMBUSTION ENGINES. ERNEST ALLEN GOSNELL, Burkburnett, Tex. Filed Nov. 30, 1921. Serial No. 518,905. 3 Claims. (Cl. 123—169.)

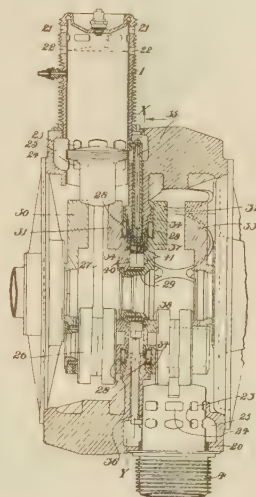


1. In combination with a cylinder of an internal combustion engine, a plug threadedly mounted therein adjacent its side wall and provided with two or more ports extending therethrough and having threads at their upper ends, sparking devices mounted in the threaded ends of the ports, a valve plate mounted on the bottom face of the plug for closing either of the plugs thereof and means for rotating the plate, said plate being pivotally mounted so as to abut the side wall of the cylinder when closing one of the ports in the manner and for the purpose specified.

1,461,089. INTERNAL-COMBUSTION ENGINE. JOHN WALLACE HALL, Feltham, England. Filed Mar. 4, 1920. Serial No. 363,357. 6 Claims. (Cl. 123—44.)

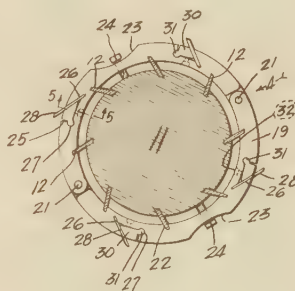
1. In a four stroke cycle internal combustion engine, a series of exhaust and scavenging ports arranged around the high pressure end of the combustion space of each cylinder, a reciprocable sleeve valve taking bearing on each respective cylinder wall, and means for reciprocating said sleeve valve, so that the exhaust and scavenging ports are maintained open during the whole of each exhaust stroke, and for approximately the first half of each following induction stroke, comprising, juxtaposed discs

coaxially mounted, and provided on their opposed faces with complementary groove paths, a rod connected to



said sleeve valve and a shuttle member carried by said rod and adapted to be actuated alternately by each groove path, and means for simultaneously rotating said discs.

1,461,090. WOODCUTTER SIZER HEAD. HANS K. HANSEN, San Pedro, Calif. Filed Oct. 6, 1921. Serial No. 505,754. 6 Claims. (Cl. 144—218.)

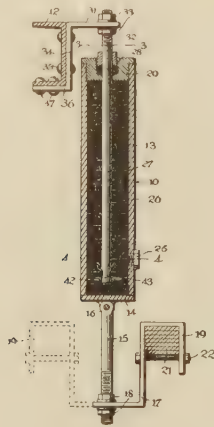


1. The combination with a rotary cutter head, of a ring shaped member, means for clamping said ring shaped-member upon the rotary cutter head, a series of blades detachably seated in said ring-shaped member, and projecting beyond the periphery thereof, and means for clamping said blades to said ring-shaped member.

1,461,091. VEHICLE SHOCK ABSORBER. GEORGE HENLEY, Edenburg, Pa. Filed May 10, 1921. Serial No. 468,416. 10 Claims. (Cl. 188—101.)

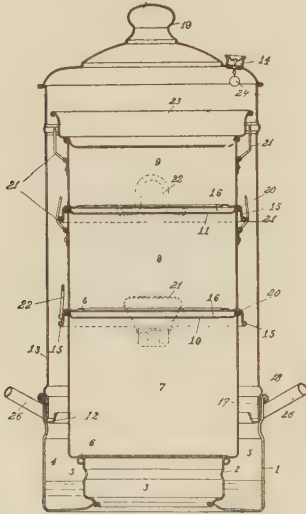
1. In a shock absorber for automobiles, a cylinder, a rod-like plunger operating therein, a mixture of graphite and cup grease in said cylinder, right angularly related friction and resistance producing projections on the plunger, and means to connect one end of the cylinder and the plunger at the opposite end to independently mov-

able parts of the automobile, certain of said projections of the plunger, comprising flukes pivoted to the plunger and tapered in width and thickness toward their free ends,



said flukes being adapted to open in one direction of movement of the plunger and to close against the plunger upon opposite movement thereof.

1,461,092. COOKING DEVICE. MILAN IVANCIC, deceased, late of Kilchberg, Switzerland; by Alma Ivancic, administratrix, Zurich, Switzerland. Filed June 30, 1920. Serial No. 393,150. 4 Claims. (Cl. 53—2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

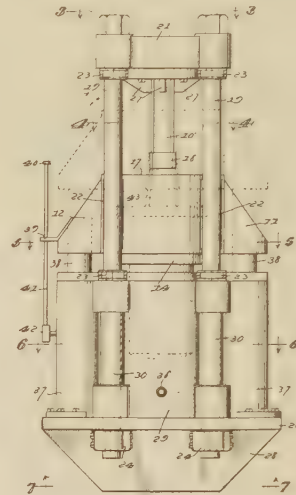


1. A cooking device comprising in combination an annular vessel, a hood placed on said vessel, a plurality of smaller vessels arranged superposed on the central portion of said annular vessel.

1,461,093. HYDRAULIC SALT PRESS. GEORGE KERSHNER, Hutchinson, Kans. Filed Nov. 10, 1919. Serial No. 336,967. 18 Claims. (Cl. 100—50.)

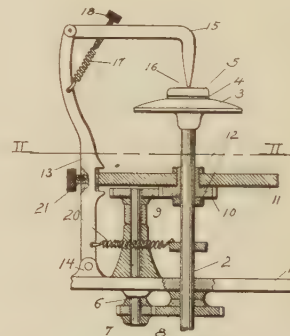
1. A hydraulic press for forming salt blocks having relatively movable members combining to bound a forming space subject to reduction in capacity to compress a contained substance, and represented respectively by a lateral restraining wall and terminal opposed elements, one of which elements is adapted to progress into the

space bounded laterally by the wall member, and means for successively causing said elements to approach each



other to define a predetermined length of forming space and then retain said relation during a continued progress of said first named element into the space.

1,461,094. LENS GRINDER. ARTHUR PELLOW, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Dec. 4, 1919. Serial No. 342,392. 4 Claims. (Cl. 51—124.)

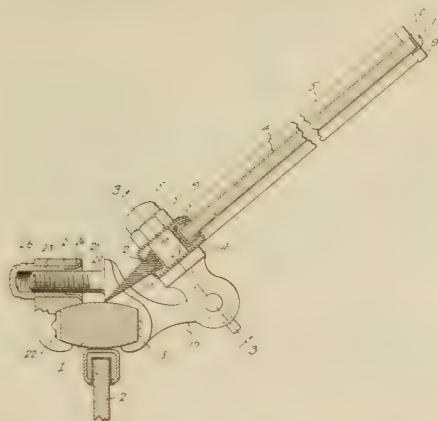


3. A lens grinding machine, including a support, a rotatable shaft and a pivoted arm carried by the support and projecting therefrom in spaced relation, said members having substantially aligned portions for engagement with a grinding tool and a lens holder, means for swinging the arm about its pivot in a direction toward the shaft, a former on the shaft for limiting the movement of the arm in the direction of the shaft, and driving connections between the former and shaft to insure their concomitant rotation.

1,461,095. WINDSHIELD. ABRAM MORITZ REINER, Cleveland, Ohio. Filed May 7, 1921. Serial No. 467,719. 3 Claims. (Cl. 296—84.)

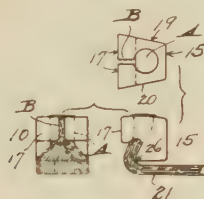
1. The combination, with a standard, of a support adjustably connected thereto, a wing comprising a frame having channels in the front and rear edges thereof, a pane of transparent material mounted in the rear channel, a strip of flexible material mounted in the front channel and adapted to extend across and close the space be-

tween the said frame and the said standard, and means for pivotally supporting the said wing from the said



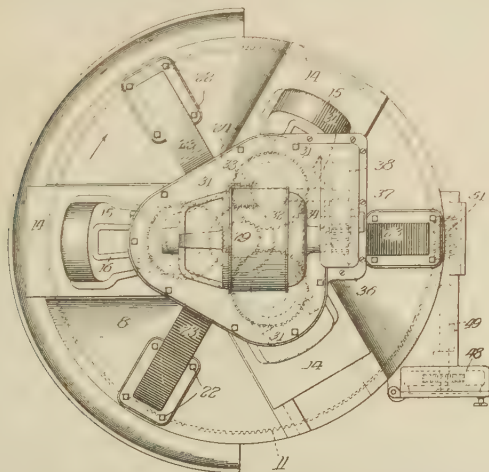
support, the said supporting means comprising one or more bolts extending through the said frame between the channels thereof.

1,461,096. BOW FOR MUSICAL INSTRUMENTS. CHARLES D. RIGG, Altoona, Pa. Filed Jan. 13, 1921. Serial No. 437,002. 2 Claims. (Cl. 84-282.)



1. A tip mounting for the hair of a violin bow consisting of a tip body having an opening therein arranged at right angles to the bow string position and also provided with a slot intersecting said opening, and a shoulder formed on the body at one end of the opening and over which the hairs of the bow string may be distributed when the tip is in place.

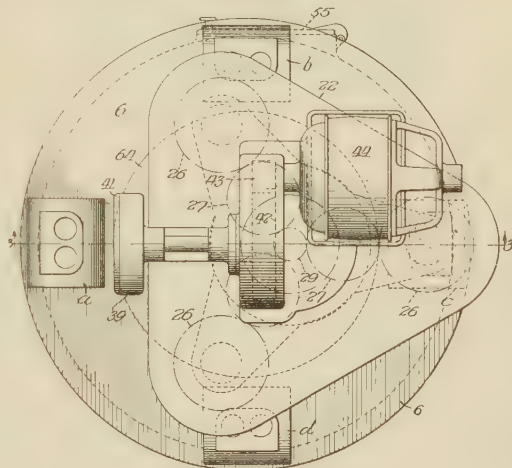
1,461,097. CIRCULAR MILLING MACHINE. HOWARD C. ROSE and ALEXANDER OBERHOFFKEN, Detroit, Mich., assignors to Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 15, 1921. Serial No. 492,425. 13 Claims. (Cl. 90-21.)



1. In a circular milling machine, the combination of a rotatable work carrier, a tool carrier immovable rela-

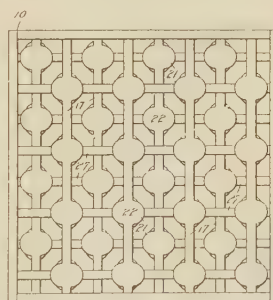
tively to said work carrier, means for rotating said carriers as a unit, and means for causing a relative movement between the work and the tools carried by said respective carriers, during the rotation thereof, said means comprising work supports slidably mounted on said work carrier and means for reciprocating said supports transversely of the axes of said tools.

1,461,098. MILLING MACHINE. HOWARD C. ROSE and ALEXANDER OBERHOFFKEN, Detroit, Mich., assignors to Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 15, 1921. Serial No. 492,426. 9 Claims. (Cl. 90-21.)



1. In a milling machine, the combination of a rotatable work carrier, a rotatable tool carrier, and a plurality of tools carried thereby, said carrier being arranged to cause a relative movement between said tools and said work carrier in a direction oblique to the radii of said work carrier intersecting said work.

1,461,099. EGG CRATE. NICHOLAS SANDOR, Dresden, Germany. Filed Oct. 28, 1921. Serial No. 511,212. 11 Claims. (Cl. 217-22.)



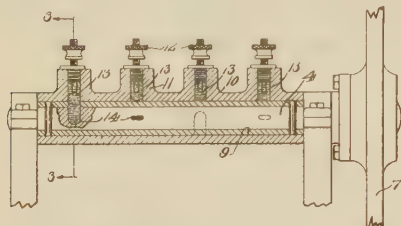
1. A cell-forming partition adapted to co-operate with other exactly similar partitions to form a plurality of cells each partition consisting of a pair of parallel side walls with integral top and bottom walls, said bottom wall being unbroken throughout the length of the partition.

1,461,100. METHOD OF TREATING FILAMENTS FOR INCANDESCENT ELECTRIC LAMPS. HARRY H. SMITH, Newark, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 19, 1917. Serial No. 207,851. 5 Claims. (Cl. 176-132.)

1. The method of treating a refractory metallic filamentary body of tungsten or equivalent metal containing

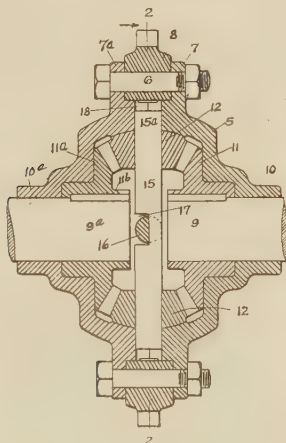
crystal growth directing ingredients, which consists in heat-treating said body according to a predetermined seasoning schedule that will cause the development of crystals having considerable length, so arranged as to overlap or interlace with each other.

1,461,101. ELECTRICAL DISTRIBUTOR. WILLIAM B. STEARNS, Milton, Mass. Filed Apr. 25, 1922. Serial No. 556,364. 15 Claims. (Cl. 200—32.)



11. An electrical distributor comprising a stationary part, a rotatable part within said stationary part and having an outer face in sliding contact with a complementary face on said stationary part, means in said parts for successively closing an electric circuit comprising spaced contact members in the form of mercury trapped in openings in the opposed faces of said parts and adapted to be in registration in certain positions of said parts.

1,461,102. DIFFERENTIAL GEAR. JAMES HERVEY STERNBERGH, Reading, Pa. Filed June 3, 1921. Serial No. 474,608. 1 Claim. (Cl. 74—99.)

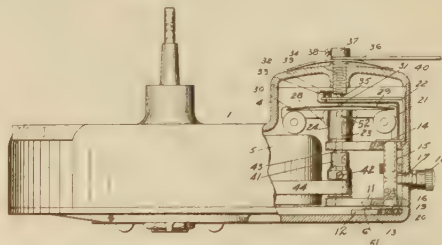


In differential gearing mechanism, a divided drive shaft having gear-carrying ends spaced-apart to permit the location therebetween of a radial-armed pinion carrier, a driven casing therefor provided with radial bearing-recesses, and a pinion carrier comprising two bars engagingly crossed at the shaft axis between said spaced-apart shaft ends and forming pinion-carrying arms arranged in a common plane and adapted to enter said bearing recesses.

1,461,103. GOVERNOR FOR ELECTRIC CIRCUITS. EDWARD J. TOMLINSON, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed June 8, 1920. Serial No. 387,496. 9 Claims. (Cl. 171—222.)

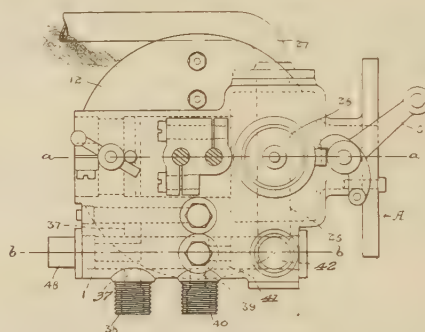
1. In a governor for an electrical circuit, the combination of a plurality of plates and means for supporting the same, a rotatable shaft carried by said plates

and having at one end a collar, a plurality of arms pivoted to said collar, said arms having weights at their outer ends and stop fingers at their other ends to engage said collar, a member carried by and between the outer



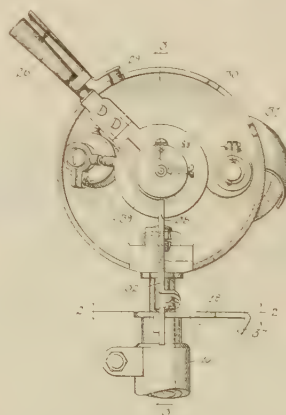
ends of said arms, a spring in operative engagement with said member and carrying a contact, a second spring carrying a contact to co-operate with the first mentioned contact and means for adjusting the position of the second contact with reference to the first.

1,461,104. CARBURETOR. ADOLF AEBERLI, Toronto, Ontario, and WILHELM DREYER, Lachine, Quebec, Canada. Filed Jan. 14, 1920. Serial No. 351,426. 5 Claims. (Cl. 123—127.)



1. In a carburetor, the combination with the engine exhaust, of a high grade fuel supply, a low grade fuel supply, a valve adapted to cut off the high grade fuel supply and open the low grade supply, and means connected with the engine exhaust for conducting exhaust pressure to actuate said valve.

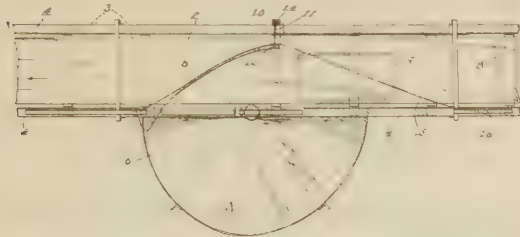
1,461,105. SHARPENER FOR SLICING MACHINES. RUDOLPH W. BACHMAN, Laporte, Ind., assignor to U. S. Slicing Machine Company, Laporte, Ind., a Corporation of Indiana. Filed Nov. 21, 1921. Serial No. 516,725. 10 Claims. (Cl. 51—248.)



1. Sharpening mechanism for a rotary slicing knife comprising a grinder, an adjustable support for said

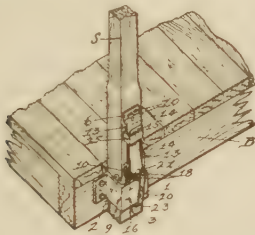
grinder, and an adjustable device for retaining said grinder and support in fixed position relative to one another during a sharpening operation.

- 1,461,106. CONVEYER SYSTEM. ALBERT ELIE BAILEY, Nashua, N. H. Filed Nov. 5, 1921. Serial No. 513,019. 8 Claims. (Cl. 83—92.)



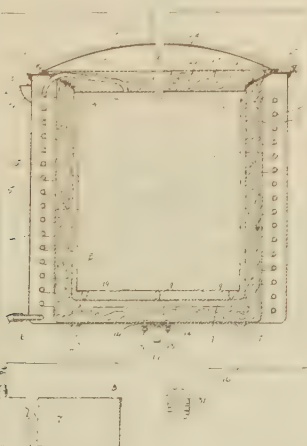
1. In a conveyer system, the combination of a conveyer unit for handling carriers of different sizes, and mechanism for automatically switching the small carriers off said conveyer unit while permitting the large carriers to travel along said unit.

- 1,461,107. STAKE-HOLDING DEVICE FOR TRUCKS, TRAILERS, AND THE LIKE. MICHAEL T. BARRIER, Lancaster, Calif. Filed Sept. 9, 1921. Serial No. 499,583. 5 Claims. (Cl. 280—147.)



1. A stake holding device for trucks and the like, comprising in combination with sockets for receiving said stakes, a stationary bracket attached to each of said stakes and having a portion thereof spaced from the stake, an operating member hinged to one end of said bracket, an off-set latch member hinged at one end to said operating member and formed at its other end for gripping the edge of said socket member for holding the stakes in position, and a sleeve for holding said member in locked position.

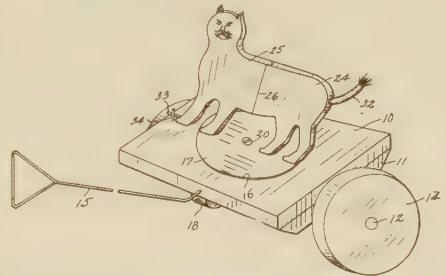
- 1,461,108. GARBAGE INCINERATOR. WILLIAM F. BORN, Lakewood, Ohio. Filed Apr. 3, 1922. Serial No. 548,925. 8 Claims. (Cl. 203—6.)



1. In an incinerator of the class described, the combination of a double walled outer casing adapted to hold a

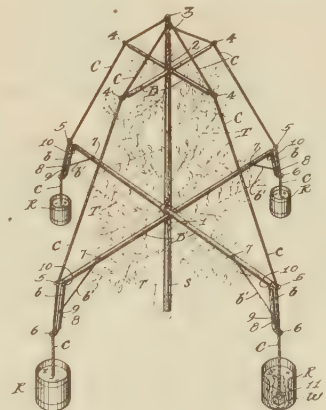
cooling liquid, a heating pot mounted within such casing and spaced and insulated therefrom, means for heating said pot, a condensing coil mounted in such cooling liquid and connected to said pot, and an air-tight cover for said casing and pot.

- 1,461,109. TOY. GEORGE WALDO CABLE, Norwalk, Conn. Filed Dec. 24, 1921. Serial No. 524,750. 5 Claims. (Cl. 46—45.)



1. A toy comprising a base, wheels for supporting the base, a support rotatably mounted on the base, a representation of an animal or the like comprising two sections so hinged together as to allow relative lateral turning movements between the sections, resilient means tending to keep the sections in alignment, one of said sections being secured to said support and the other section being movable independently thereof, means operated by the wheels for rotating said support, and a stop on said base arranged to engage said movable section and limit rotative movement thereof as the other section and the support are rotated.

- 1,461,110. MEANS FOR PREVENTING FROST ON TREES AND THE LIKE. JAMES S. COX, Los Angeles, Calif. Filed June 6, 1922. Serial No. 566,420. 6 Claims. (Cl. 47—36.)

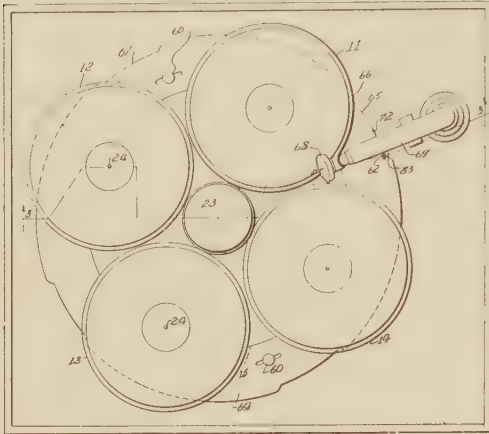


1. A frost prevention device for orchards and the like which includes a frame separate from the tree, a plurality of moisture collecting elements supported on said frame and extending from the top to the bottom of the tree at spaced points.

- 1,461,111. AUTOMATIC TALKING MACHINE. LEE G. DANIELS, Rockford, Ill. Filed Jan. 19, 1920. Serial No. 352,257. 60 Claims. (Cl. 274—10.)

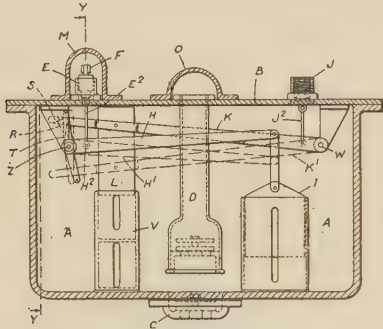
1. In a talking machine, a revoluble carrier, a plurality of record turn tables circumferentially mounted on said

carrier, means for revolving the record turn tables, a reproducer, and mechanism for continuously revolving the



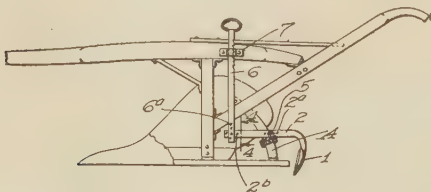
carried to move each record turn table in succession into playing relation with the reproducer and to feed such turn table laterally therebeneath during the reproduction.

1,461,112. * METHOD AND MEANS FOR RAISING WATER OR OTHER LIQUID BY COMPRESSED AIR. ROBERT COCHRAN DICKSON, Medan Deli, Sumatra Filed Sept. 8, 1920. Serial No. 408,915. 5 Claims. (Cl. 103—248.)



4. An apparatus for raising liquid by compressed air, comprising a chamber provided with inlet and discharging valves for the liquid being raised and admission and exhaust valves for the compressed air, mechanism for closing the compressed air admission valve, means for closing the air exhaust valve and means controlled by said mechanism for locking the air exhaust valve in closed position when the compressed air admission valve is in open position.

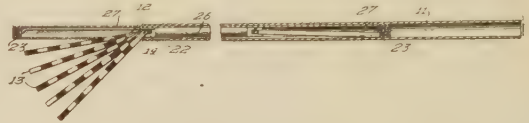
1,461,113. SUBSOILER ATTACHMENT FOR PLOWS. FRANK M. DYKE, Ramona, Calif. Filed Dec. 6, 1920. Serial No. 428,588. 3 Claims. (Cl. 97—79.)



3. In an attachment of the class described, the combination with a plow, of a beam provided with a digging member, a clamp member secured to the plow, a clevis

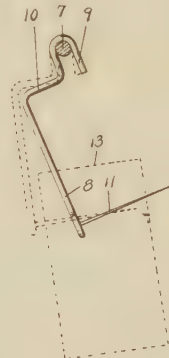
member pivotally connected to said clamp member and connecting with said beam intermediate its ends, a supporting member mounted on the plow adapted to support the normally front end of said beam, means for adjusting said supporting member on said plow whereby the front end of said beam may be raised or lowered for regulating the depth of the digging end of the beam comprising a clip member secured to the plow provided with a spring in one side and teeth in the other adapted to engage the teeth on said supporting member.

1,461,114. SIGNAL FOR VEHICLES. LARS H. EKEBERG, Rockford, Ill. Filed Apr. 17, 1922. Serial No. 553,770. 1 Claim. (Cl. 116—41.)



A signal for vehicles comprising a tubular holder adapted to be attached to a vehicle reaching from side to side thereof, a signal carrying rod slidable in said holder and having a center section and end sections and being of approximately the same length as said holder, each end section being tubular and open on its underside, a signal device disposed in the open portion of each end section comprising a plurality of fingers pivoted at their inner ends to the outer end of the center section and having inner ends of different lengths serving as stops for limiting the signal positions of the respective fingers, and means for moving said rod lengthwise in the holder to project either end therefrom, the fingers of each signal device being normally confined within and resting on the bottom of the holder and adapted when projected to drop at their outer ends to the signal position through the open underside of the projected rod section.

1,461,115. MEANS FOR DIPPING AND COATING CONFECTIONERY. FRANK R. GIDDINGS, Kalamazoo, Mich., assignor of one-half to Vance G. Piper, Kalamazoo, Mich. Filed Mar. 7, 1922. Serial No. 541,658. 2 Claims. (Cl. 91—6.)

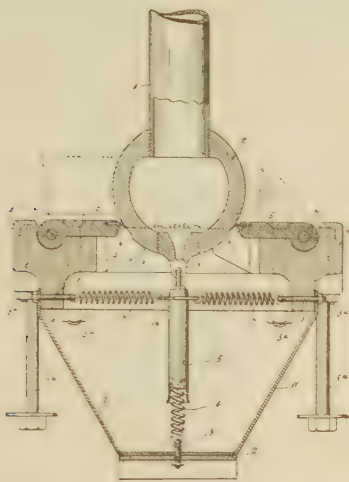


1. In a dripping and drying hanger for coating purposes, the combination of a hanger formed of a wire with hook at its upper end and an offset and depending portion with a smooth, straight, slim pin at right angles thereto secured thereto by insertion through the lower end of said hanger whereby a bar of material will hang at an angle on the rack, as specified.

1,461,116. YIELDING SELF-ARIGHTING SAFETY LAMP POST. FRANK W. GRISWOLD, Rogers, Minn. Filed Aug. 2, 1922. Serial No. 579,290. 11 Claims. (Cl. 40—145.)

11. A lamp post or similar structure having in combination, an upstanding post, a member having a curved

surface secured to the lower end thereof, extensible means for holding the said members normally in upright posi-



tion and a movable supporting means adjacent the post operative to permit the post to be swung to substantially a horizontal position.

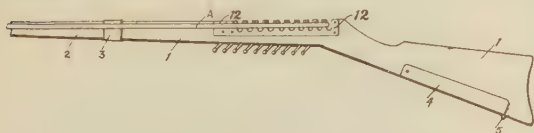
1,461,117. FILAMENTARY BODY FOR ELECTRIC LAMPS AND METHOD OF MAKING THE SAME. ROY D. HALL, East Orange, and HARRY H. SMITH, Newark, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 19, 1917. Serial No. 207,837. 10 Claims. (Cl. 176—132.)

1. A filament for electric incandescent lamps or other devices, composed primarily of tungsten and made up mainly of a number of large crystals so interrelated as to be capable of preventing substantial sagging and offsetting during a normal or commercially useful life for such a lamp or other device.

1,461,118. FILAMENT. ROY D. HALL, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 19, 1917. Serial No. 207,838. 19 Claims. (Cl. 176—132.)

1. A filamentary body composed mainly of tungsten or equivalent metal that at incandescence tends to sag when utilized as a conductor of electricity, and containing auxiliary ingredients capable of controlling the crystalline structure to produce a substantially non-sagging filament when subjected to a predetermined heat treatment.

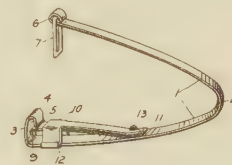
1,461,119. TOY GUN. JAMES C. HARRIS, Dallas, Tex. Filed Nov. 6, 1922. Serial No. 599,264. 2 Claims. (Cl. 124—1.)



1. A toy of the character described comprising a wooden frame unit, consisting of a butt, stock and barrel, an assembly of triggers, said assembly consisting of a series of push pins, one behind the other, sliding through openings in the breech portion of the frame and in the sheath enclosing it; levers attached to the upper portion of the breech and encased therein, to each of which the push pin is applied, each trigger mechanism being separate and apart from the other, vertical notches

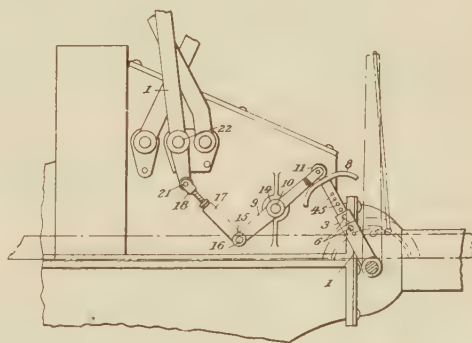
in the upper portion of the breech behind each lever, rubber bands attached from said notches to and over the end of the barrel, and a pocket within the butt portion of the frame, a metal cover encasing said pocket and a spring securing the cover in place, said toy to be used for shooting rubber bands.

1,461,120. BAG OR NET FASTENER. BERT L. HER-
RICK, Oakland, Calif. Filed Dec. 19, 1922. Serial
No. 607,820. 5 Claims. (Cl. 24—305.)



1. A bag fastener, comprising two body members adapted to approach and recede from each other, one of said members having an inturned end and an inturned hook at the extremity of said end, a tongue adapted to contact the said hook, and a guard housing the said tongue, and the other of said body members having a link hinged thereto at its extremity and adapted to engage the said hook, the said guard preventing the disengagement of said link when the fastener is closed.

1,461,121. AUTOMATIC TRANSMISSION RELEASE FOR MOTOR VEHICLES. JESSE A. HILL, South Greenfield, Mo. Filed Sept. 30, 1921. Serial No. 504,486. 3 Claims. (Cl. 74—39.)

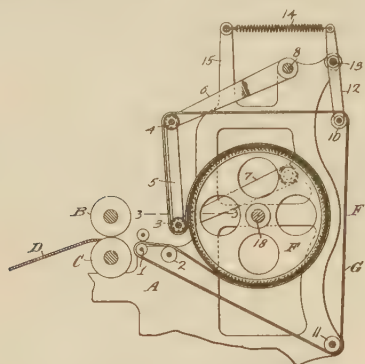


1. A clutch release for a motor vehicle transmission mechanism including in combination with the clutch pedal, and a clutch lever adjustably connected to one end thereof, of a releasing member carried by the control shaft of said motor vehicle, said releasing member including a tubular sleeve, a rod adjustably mounted in said sleeve and having an arcuate-shaped head at its upper end, and an anti-friction roller on the free end of said clutch lever and adapted for engagement with said arcuate-shaped head on said rod.

1,461,122. TOBACCO-LEAF-BOOKING DRUM. GRAHAM H. JACKSON, Newark, N. J., assignor to Universal Tobacco Machine Company, New York, N. Y., a Corporation of New York. Filed Mar. 3, 1921. Serial No. 449,548. 4 Claims. (Cl. 131—56.)

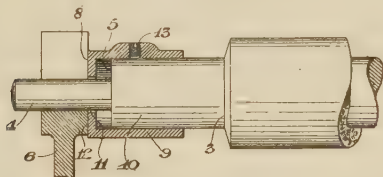
4. In a tobacco leaf booking machine the combination of a booking belt, a pair of spaced heads, a shaft on

which the heads are mounted, a continuous web of rubber forming a leaf receiving surface supported by the heads



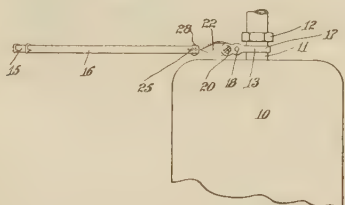
and free to yield away from the belt between the heads as the thickness of the book increases.

1,461,123. PRINTING ROLLER. ANDREW JOHNSON, Milwaukee, Wis. Filed Sept. 18, 1920. Serial No. 411,207. 1 Claim. (Cl. 91—67.8.)



The combination with a supporting bearing and a printing roller having a reduced end portion journalled in said bearing and forming a shoulder with the portion of the roller of larger diameter, of a collar mounted on said portion of larger diameter and having a flanged end extending around said reduced end portion and engageable with the side of the bearing, said collar having a threaded opening and a set screw mounted in said opening for adjustably securing said collar to the roller.

1,461,124. TOWEL RACK. WILLIAM KAHL, Brooklyn, N. Y. Filed June 4, 1921. Serial No. 474,924. 3 Claims. (Cl. 26—343.)

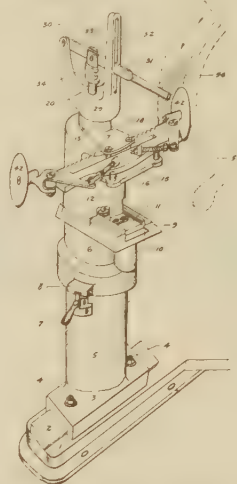


1. A towel rack comprising a bracket and towel supporting rods, the bracket having a horizontal shell, a plurality of ears extending from said shell, the ends of the supporting rods being slotted to receive said ears, and pivot pins for pivotally connecting the slotted ends of the rods to said ears, the ends of the rods overlapping one another so as to form stops to limit the outward swing of the rods.

1,461,125. FABRIC-STITCHING DEVICE. JOSEPH D. LACROIX, New Orleans, La., assignor to Kelly-Springfield Tire Company, Akron, Ohio, a Corporation of New Jersey. Filed May 18, 1921. Serial No. 470,681. 7 Claims. (Cl. 154—10.)

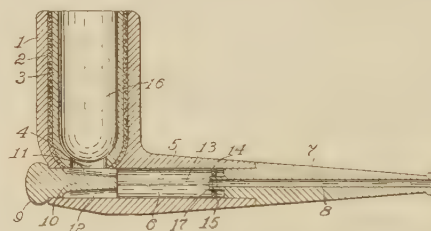
2. The combination with a tire forming machine, comprising, a revoluble core adapted to support tire forming

material thereon; of a stitcher element, comprising a pedestal movable toward and away from the core, a housing on the pedestal adapted to be transversely adjusted with respect to the core, a radially advanceable



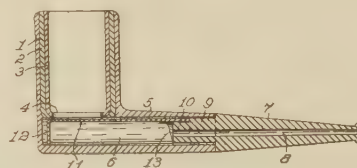
stitcher carriage having a disk thereon, and a unitary control lever whereby the said transverse and radial movements are effectuated by, respectively, vertical and horizontal motions on said lever.

1,461,126. TOBACCO PIPE. FLOYD E. LASURE, Waukesha, Wis. Filed Mar. 28, 1921. Serial No. 456,453. 3 Claims. (Cl. 131—12.)



2. A tobacco-pipe comprising an open bowl and a tubular stem in communication therewith, the base of the bowl having an opening in communication with the bowl and with the bore of said stem, a removable plug in said opening grooved longitudinally to control the communication between said bowl and the bore of said stem adjustably, said bowl being composed of different materials arranged in concentric layers.

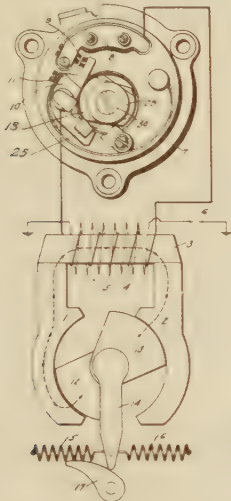
1,461,127. TOBACCO PIPE. FLOYD E. LASURE, Waukesha, Wis. Filed Nov. 26, 1921. Serial No. 517,964. 1 Claim. (Cl. 131—12.)



A tobacco pipe, comprising a bowl having a longitudinally hollowed stem, and having an elongated passage in its bottom effecting communication longitudinally with the hollow of said stem, a longitudinally orificed mouth-piece having an end diminished terminally with its diminished part removably and rockably mounted in the hollow of said stem terminally, and a scraper in

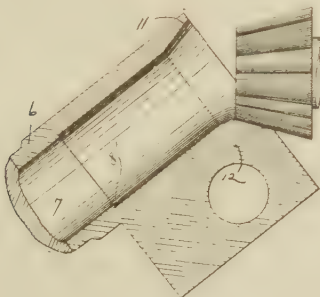
said hollow consisting of a bar narrower than the said elongated passage, having one end formed into an elastic split-ring to be engagingly secured removably upon the inserted diminished end of said mouth-piece to be rocked or moved slidably therewith, and having its other end bent angularly, shaped to fit the walls of said hollow and positioned in said hollow at one end of the said elongated passage unobstructedly.

- 1,461,128. MAGNETO IGNITION DEVICE. JOSEPH K. LEIBING, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed July 21, 1919. Serial No. 312,426. 14 Claims. (Cl. 123—149.)



1. In a device of the character described, a coil for producing a spark, means for energizing said coil including a magnetic field and a movable element having a normal stationary position for directing magnetic flux through said field and coil, means for moving said movable element from said normal position to a working position, means for preventing said coil from interfering with the movement of the magnetic flux during a considerable part of the movement of the movable element from normal to working position, means for utilizing the magnetic flux put into operation as the movable element reaches the working position and means for completing from the working position the working stroke of said movable member for the purpose described.

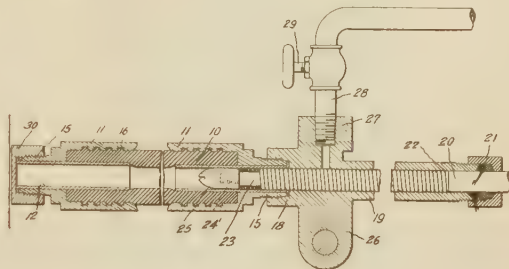
- 1,461,129. METHOD OF AND MEANS FOR FORMING GUN BARRELS. CRAWFORD C. LOOMIS, Iliion, N. Y. Filed Jan. 8, 1921. Serial No. 435,811. 5 Claims. (Cl. 29—1.1.)



1. In the manufacture of gun barrels, the process of forming a flared approach to the barrel and forming a bullet incline therein which consists in bringing a sub-

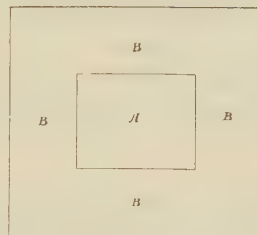
stantially conical cutting tool against the end of the barrel coaxially therewith to form said flared approach and then revolving the barrel relatively to the tool about a transverse axis for forming the bullet incline.

- 1,461,130. METHOD OF ASSEMBLING HOSE AND FITTING. MALCOLM LOUGHEAD, Detroit, Mich., assignor to Four Wheel Hydraulic Brake Company, Los Angeles, Calif., a Corporation of California. Filed Feb. 26, 1923. Serial No. 621,223. 5 Claims. (Cl. 29—88.2.)



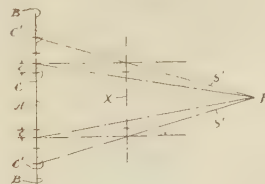
1. The method of assembling an expanded hose and fitting for the end thereof, which consists in positioning a fitting member about one end of the hose, positioning a second fitting within the end of the hose bore, forcing a portion of the wall of one of said fitting members toward the other to grip the hose therebetween, expanding the hose, and snugly inserting a flexible noncollapsible tube within the hose bore while in expanded condition, the end of said tube being extended into the end of said second fitting member.

- 1,461,131. METHOD OF PRODUCING VISUAL DEPTH IN PROJECTED PICTURES. THOMAS HENRY MARTEN, Toronto, Ontario, Canada. Filed Oct. 1, 1921. Serial No. 504,545. 4 Claims. (Cl. 88—24.)



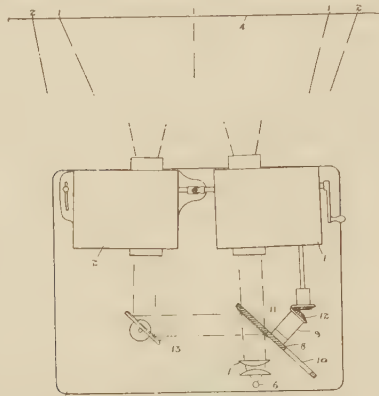
1. A method of producing visual depth in projected pictures, consisting in surrounding the picture area with an element of light of different refrangibility from the light of the picture to create a condition of differing focal adjustment of the eye of the observer.

- 1,461,132. METHOD OF PRODUCING VISUAL DEPTH IN PROJECTED PICTURES. THOMAS HENRY MARTEN, Toronto, Ontario, Canada. Filed Apr. 3, 1922. Serial No. 549,005. 5 Claims. (Cl. 88—24.)



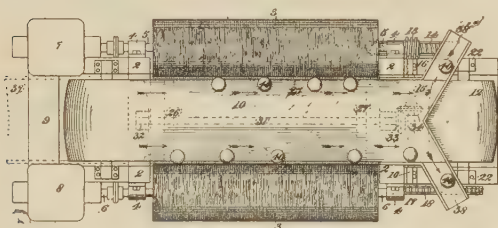
1. A method of producing visual depth in projected pictures, consisting in locating about the picture a flexible image forming a visual attraction and maintaining focal activity in the eye of the observer.

1,461,133. PROJECTION DEVICE. THOMAS HENRY MARTEN, Toronto, Ontario, Canada. Filed May 6, 1922. Serial No. 558,916. 6 Claims. (Cl. 88—24.)



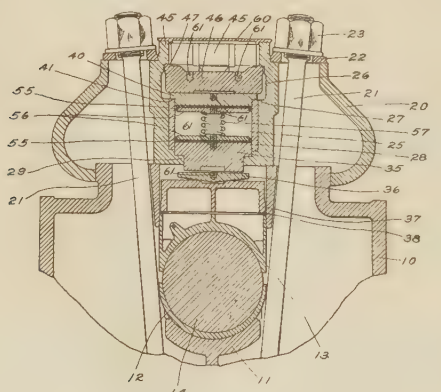
1. A projection device, comprising, a pair of projectors, a fixed source of light, and means for directing the beam of light from said light source in alternating periods to both projectors.

1,461,134. BUFFING MACHINE. EDWARD N. MAULL, Orlando, Fla., assignor to Skinner Machinery Company, Dunedin, Fla., a Corporation of Florida. Filed Dec. 13, 1922. Serial No. 606,745. 16 Claims. (Cl. 146—202.)



1. A machine for treating articles, comprising means for moving articles along a predetermined path, a rotating buffer adjacent to said path, and intermittently moving means adjacent to said rotary buffer for moving said articles away from said buffer at predetermined intervals.

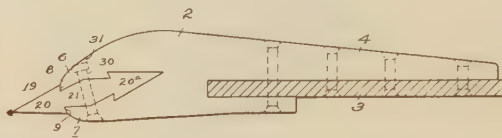
1,461,135. HYDRAULIC BEARING FOR SUGAR MILLS AND THE LIKE. GUY C. MITCHELL, Hamilton, Ohio, assignor to the Hooven, Owens, Rentschler Company, Hamilton, Ohio, a Corporation of Ohio. Filed Oct. 25, 1920. Serial No. 419,550. 4 Claims. (Cl. 100—47.)



1. In a device of the character described, a top cap having an aperture therein constituting a cylinder, an

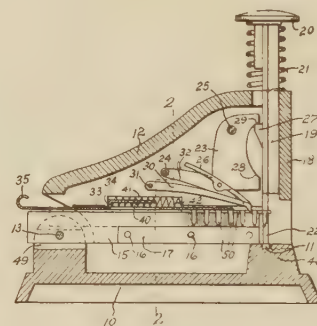
inturned shoulder in the lower end of said cylinder, locking lugs in the upper end of said cylinder, a lower plunger adapted for positioning within said cylinder, means thereon adapted to cooperate with said inturned shoulder to limit movement of said plunger in one direction; an upper plunger adapted for positioning within said cylinder, a cross-block constructed for positioning within said cylinder, lugs thereon adapted to cooperate with said locking lugs to limit movement of said upper plunger in one direction; and means for admitting pressure fluid to said cylinder, between said plungers.

1,461,136. DIPPER TOOTH. MACCORMICK GIBSON MOORE, Wyomissing, Pa., assignor to Moore & Moore, Inc., Reading, Pa., a Corporation of Pennsylvania. Filed Jan. 2, 1923. Serial No. 610,123. 8 Claims. (Cl. 37—142.)



1. A dipper tooth comprising a bifurcated base portion and a double-ended point member reversibly insertable cross-wise between the spaced base members with one of its pointed ends projecting beyond the latter and seating rearwardly thereagainst.

1,461,137. STAPLE-DRIVING MACHINE. JOHN MUTH, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Mar. 24, 1921. Serial No. 455,121. 24 Claims. (Cl. 1—2.3.)

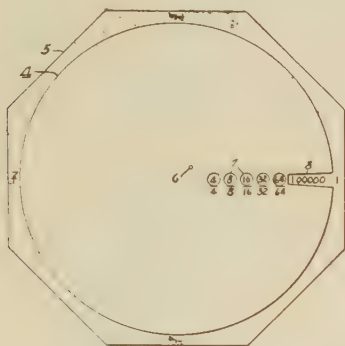


22. In a stapling machine, in combination, a casing, a staple strip carrying bar, a staple strip feeding device within said casing, and a sliding channel member adapted to straddle said bar and the staple strip thereon and accessible from the exterior of said casing for disengaging said feeding device from the staple strip to permit withdrawal of the latter.

1,461,138. DECIMAL-EQUIVALENT CHART. HERBERT O. OLSON, Rockford, Ill. Filed Jan. 3, 1920. Serial No. 349,162. 3 Claims. (Cl. 235—88.)

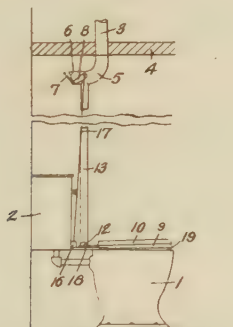
1. A decimal equivalent chart comprising a top and a bottom member pivotally connected so that one may be revolved with respect to the other, the top member having a series of openings spaced in a radial plane and having the following denominators below said openings, spaced from the center outwardly, viz: 4, 8, 16, 32 and 64, the bottom member having numerators for each of said denominators arranged in annular paths coincident with said openings so that said member may be

relatively revolved to position any numerator in the opening above its respective denominator, and the bottom member having a decimal equivalent for each numerator in radial alignment therewith, the top member having



an opening in proximity to said series of openings and with which each decimal equivalent registers when its respective numerator is in registration with its opening in the top member.

- 1,461,139. SANITARY APPARATUS FOR WATER-CLOSETS. FRANÇOIS PAUL, Montreal, Quebec, Canada. Filed July 19, 1922. Serial No. 576,097. 2 Claims. (Cl. 4—21.)



1. A device of the character described in combination with a water closet bowl and the ventilation pipe, a pipe leading from said bowl to the ventilation pipe, said ventilation pipe having an opening therein leading into a room; a valve adapted to close said opening; and means including a weighted lever actuated by the movement of the water closet seat to actuate said valve, substantially as described.

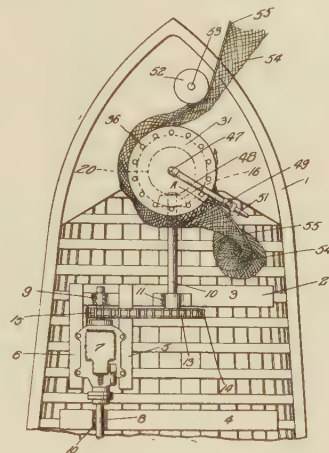
- 1,461,140. METHOD OF TREATING FILAMENTS FOR INCANDESCENT ELECTRIC LAMPS. JOHN H. RAMAGE, Norfolk, Va., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Oct. 15, 1917. Serial No. 196,686. 16 Claims. (Cl. 176—132.)

1. A filament of tungsten or equivalent refractory metal consisting of grains substantially uniform in size.

- 1,461,141. NET-PULLING MACHINE. WILLIAM FREDERICK DEPEW, Bowmanville, Ontario, Canada. Filed Apr. 13, 1922. Serial No. 552,247. 1 Claim. (Cl. 254—138.)

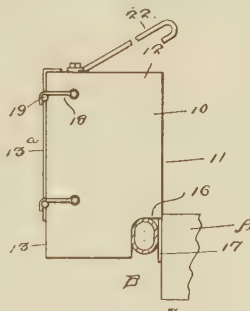
In a net pulling machine, the combination with a gripping drum having peripheral means for gripping the edge line of the net, of a driving shaft having a circum-

ferential slotted end upon which the drum is mounted, a projection extending into the slot from said drum, and springs connected at one end to the driving shaft and at



the opposite end to the drum to form a yieldable driving connection between the shaft and the drum when the shaft is rotated.

- 1,461,142. OVEN ATTACHMENT FOR AUTOMOBILES. JAMES E. Z. FOWLE, Preuss, Oreg. Filed Apr. 15, 1922. Serial No. 553,215. 1 Claim. (Cl. 126—20.)

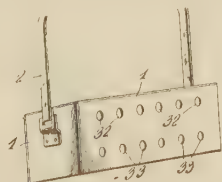


A device of the character described comprising a rectangular casing having its bottom formed with an opening near the back wall of the casing and having its ends formed with notches extending upwardly from the bottom, said opening in the bottom and the notches being designed for accommodation of the exhaust pipe of an engine, the back wall of the casing extending downwardly between the exhaust manifold and the engine whereby to mount the device in place, said casing being of double wall construction and being provided with a foraminous shelf located above the notches, a hinged door normally closing the front of the casing, and brace rods connected with the top of the casing and terminating in hooks engageable over the stay rod of the radiator of the car.

- 1,461,143. INDICATOR FOR VACANT THEATER SEATS. WILFRED L. GUERIN, New Orleans, La., assignor of one-half to Morinville J. Guerin, Jr., New Orleans, La. Filed Dec. 23, 1921. Serial No. 524,431. 5 Claims. (Cl. 177—337.)

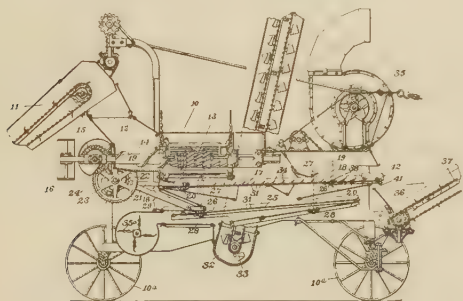
1. In a vacant seat indicator for theaters, the combination of a plurality of electric lamps constituting a signal to designate a plurality of separated vacant seats; a second set of electric lamps constituting a second signal to designate vacant seats that are not separated from each other; normally open circuits for each lamp; and

circuit closers provided with means for operating each other and to close said circuits, whereby upon operating a single circuit closer of said first named signal a plu-



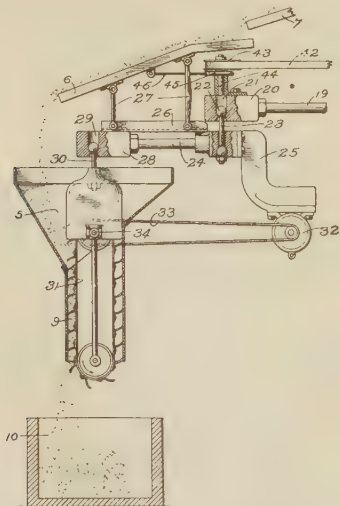
rality of separated vacant seats may be simultaneously indicated, and by operating a single circuit closer of said last named signal a plurality of seats not separated from each other may be simultaneously indicated.

1,461,144. SCREEN FOR CORN SHELLERS. RICHARD E. HANNEMAN, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 9, 1920. Serial No. 409,048. 7 Claims. (Cl. 130—19.)



1. The combination with a vibratory screen, of a plurality of dams spaced a distance apart and extending over the surface of the screen and projecting from such surface at different angles, and means for varying the angular position of the dams while maintaining them at different angles relatively to each other.

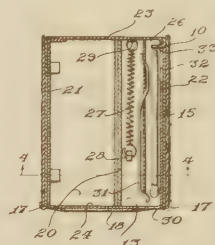
1,461,145. MOLDING MACHINE. HENRY E. HENRICKS, Oak Park, Ill., assignor of one-third to Arnold H. Schlegel, Oak Park, Ill. Filed July 9, 1920. Serial No. 394,921. 4 Claims. (Cl. 22—36.)



1. In a mold-flask charging apparatus, a support, a horizontal arm extending from the support, a beam swiv-

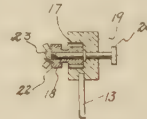
eled to the arm to swing vertically and horizontally, a hopper and a shaking table carried by the beam, the table discharging into the hopper, means associated with the hopper for forcibly ejecting the contents thereof, a second shaking table carried by the support and discharging on the first-mentioned table, a drive shaft on the support, a counter-shaft on the support obtaining motion from the drive shaft, driving means for the first-mentioned table carried by the aforesaid arm, a driving connection between said means and the counter-shaft, and a driving connection between the drive shaft and the first mentioned table.

1,461,146. MATCH BOX. JOSEPH A. HEY, Decatur, Ill. Filed Sept. 3, 1921. Serial No. 498,432. 2 Claims. (Cl. 206—27.)



1. A match receptacle comprising an open box, a casing and a cover; said box being provided with a channel along one side wall thereof, a longitudinal slot being provided in the side wall adjacent to said channel, said slot opening into said channel, a projection on the side wall of said casing reaching through said slot into said channel, the end wall at the opposite end of the box in respect to said projection having an aperture, yieldable means in said box adapted to partly close said aperture, a tension spring inserted in the length direction of the box between the bottom of said box and the bottom of said casing, and securing means for each end of said spring for attaching said ends to said box and said casing respectively.

1,461,147. WINDOW LOCK. SIGURD JAHR HOFF, New York, N. Y. Filed May 16, 1922. Serial No. 561,313. 3 Claims. (Cl. 292—57.)

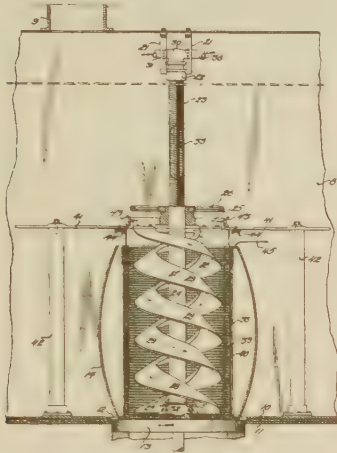


1. In combination with a pair of slide sashes, a means for releasably locking both sashes in the closed position comprising an upper sash with a longitudinal slot therein and provided with an angular exit slot at one end thereof, said upper sash having a sunken channel registering with the said slots, an inclined surface formed on one side of the sunken channel and means carried within the channel for locking the upper and lower sashes to each other when in the closed position.

1,461,148. DRYING APPARATUS. JOHN F. HUGHES, Penns Grove, N. J. Filed Oct. 12, 1920. Serial No. 416,357. 11 Claims. (Cl. 34—43.)

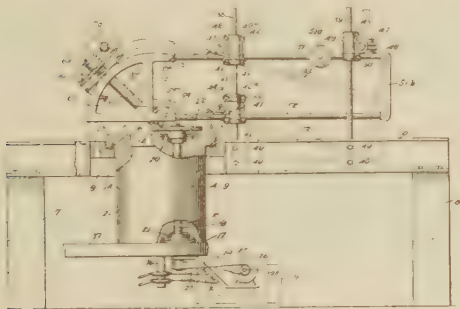
3. Apparatus of the character described including a screened member for containing the material to be dried;

heating means adapted to be inserted into the material within the screened member; means for moving said



screened member; and scraping means adapted to scrape the material from the inner surface of the screened member; substantially as described.

1,461,149. APPARATUS FOR CUTTING DIAMONDS. ALFRED T. HUNT, Brooklyn, N. Y. Filed June 24, 1921. Serial No. 480,149. 8 Claims. (Cl. 51-120.)

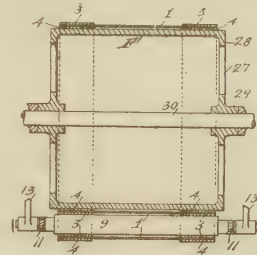


1. In a machine for cutting diamonds, the combination of a diamond dop for holding a diamond, a cutting wheel for engaging said diamond, means for causing said cutting wheel to rotate upon its own axis, means for causing said wheel to revolve bodily around an axis different from the axis of rotation of said cutting wheel, mechanism for supporting said diamond dop so as to maintain the diamond in a predetermined bodily position, and mechanism controllable at the will of the operator for adjusting said diamond dop to different degrees of inclination relatively to said diamond cutting wheel, without disturbing the general fixed position occupied by said diamond while being cut.

1,461,150. TOBACCO-LEAF-BOOKING MACHINE. GRAHAM H. JACKSON, Newark, N. J., assignor to Universal Tobacco Machine Company, New York, N. Y., a Corporation of New York. Filed Mar. 3, 1921. Serial No. 440,549. 3 Claims. (Cl. 131-56.)

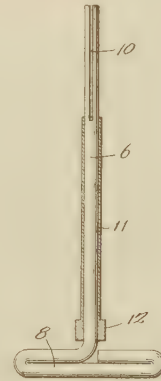
3. In a tobacco leaf booking machine, the combination of a booking drum, and a booking belt passing around

the drum and having a leaf receiving surface which will readily yield to receive the leaves as the book increases



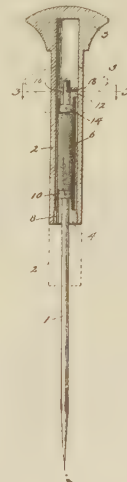
in thickness, and edges of a stiffer material on each side of the book receiving surface by which the booking belt may be driven.

1,461,151. CAN OPENER. HERBERT ELIJAH KEELER, Chicago, Ill. Filed Sept. 20, 1922. Serial No. 589,359. 4 Claims. (Cl. 220-52.)



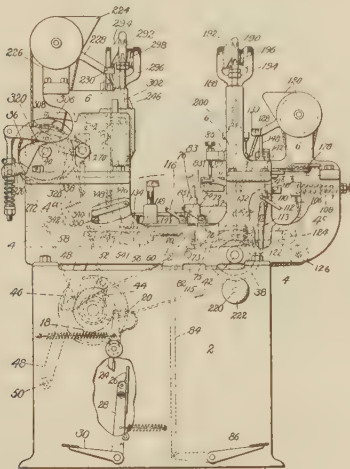
1. A can opener having a member provided with a slot adapted to receive the tongue of the can closure, the slot being open at the outer end, and an ejector slidably mounted on said member and adapted to engage the can cover to force it off over the end of said member.

1,461,152. ICE PICK. HERBERT ELIJAH KEELER, Chicago, Ill. Filed Feb. 28, 1923. Serial No. 621,877. 5 Claims. (Cl. 83-62.)



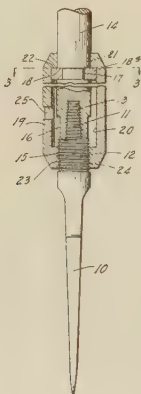
3. An ice pick having a pointed rod, a chamfered handle slidably mounted on it and adapted to strike it, a tension spring connected at the lower end to the lower portion of the handle, and a swivel connection between the upper end of the spring and the upper portion of the rod.

1,461,153. HEEL-SEAT LASTING AND NAILING MACHINE. EUGENE L. KEYES, Chicago, Ill., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 22, 1917. Serial No. 208,434. 168 Claims. (Cl. 12—4.)



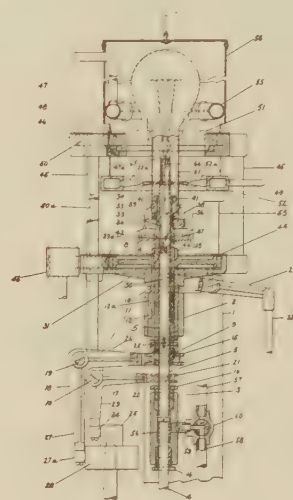
1. A machine of the class described having, in combination, heel seat lasting mechanism, mechanism for nailing the heel end of the sole over the lasted heel seat, and a shoe support, said mechanisms and support being constructed and arranged for relative movements first to present a supported shoe and said lasting mechanism in co-operative relation and then to present the heel end of the supported shoe and said nailing mechanism in co-operative relation.

1,461,154. WELL-DRILLING TOOL. HENRY B. McGOWAN, Hurley, Okla. Filed May 17, 1922. Serial No. 561,654. 1 Claim. (Cl. 279—101.)



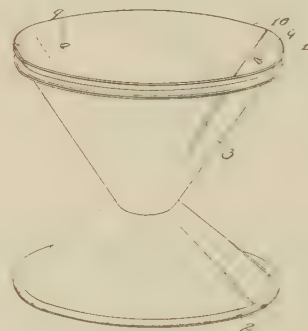
The combination with a bit having the pin and shank thereof oppositely screw-threaded, of a stem having a threaded socket receiving the pin, a sleeve having engagement with the stem limiting its upward movement thereon, securing means engaging the stem and insertable through an opening formed in the wall of the sleeve when the sleeve is in its uppermost position, said securing means when in engagement with the stem limiting the downward movement of the sleeve on the stem with the lower end of the sleeve extending below the lower end of the stem, the lower end of said sleeve having threads for engagement with the threads of the shank of the bit.

1,461,155. METHOD OF AND APPARATUS FOR MANUFACTURING INCANDESCENT LAMPS. HARRY D. MADDEN, Irvington, and JOHN J. HIGGINS, East Orange, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Apr. 3, 1919. Serial No. 287,234. 41 Claims. (Cl. 176—2.)



30. The combination in an incandescent lamp-making machine of means for exhausting a bulb and means operating subsequently thereto for sealing a mount within the bulb.

1,461,156. CUSPIDOR. MILTON G. MARTIN, Stevens Point, Wis. Filed Apr. 29, 1920. Serial No. 377,557. 1 Claim. (Cl. 4—38.)

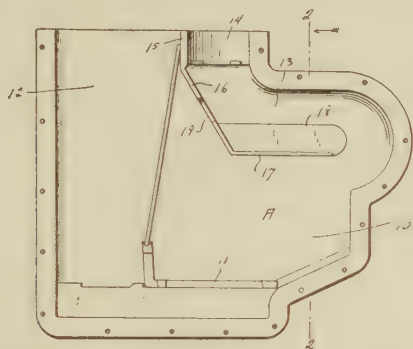


In a cuspidor, a hollow stand having an upper wall forming a vessel open at the bottom and adapted to support a removable receptacle, a relatively heavy base plate, said stand having a lower wall surrounding said base plate, a spider in said vessel bearing upon the inner wall thereof and means for supporting said plate from said spider.

1,461,157. DRAFT-CONTROLLING MEANS FOR TANK HEATERS. GEORGE W. MUNDIE, Peru, Ill. Filed Apr. 7, 1923. Serial No. 630,507. 3 Claims. (Cl. 126—367.)

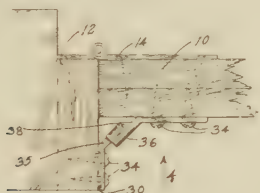
1. In a tank heater, a fire box, a discharge flue disposed immediately above the fire box, a wall extending

downward from one wall of the discharge flue and having a draft opening therethrough, and a baffle extend-



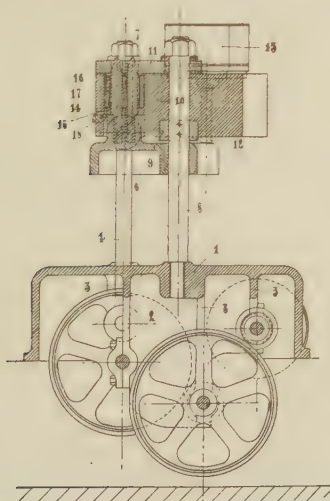
ing transversely through the axis of the discharge flue and from the lower end of the wall and defining a return flue between it and the top of the heater.

- 1,461,158. GARAGE-DOOR LOCK. CARL C. PARKE, Denver, Colo. Filed Dec. 6, 1920. Serial No. 428,471. 2 Claims. (Cl. 20-16.)



2. A locking means for a door, comprising one member adapted to be secured to the door and having one end inclined at an angle to the main portion thereof, a similarly angled second member adapted to be secured to the door casing, the inclined ends of said members being formed to interlock for the purpose of holding a door in closed position after the hinges have been removed.

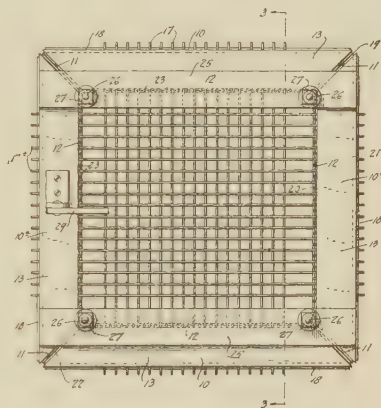
- 1,461,159. MACHINE FOR MAKING BRICKS, TILES, AND OTHER BUILDING MATERIALS. GEORGES VALENTIN PICOT, Paris, France. Filed Aug. 29, 1921. Serial No. 496,604. 2 Claims. (Cl. 25-69.)



1. In a hollow-block machine, the combination of compression mechanism embodying a pair of vertical

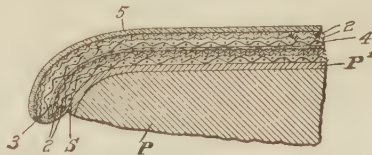
guides, a vertically-reciprocating cross-head slidably connected at opposite ends therewith and provided with a vertical core, and a tie-plate connecting the upper ends of the guides and having a slot conforming to the size and shape of the core and disposed directly in line therewith; and a mould carrier disposed between the cross-head and the tie-plate and having a plurality of moulds at top and bottom, said carrier being movable relatively to the cross-head to bring the moulds successively into position directly in line with said core and tie-plate, thereby to enable the core to move into and through the material in the mould thereover and into the slot in the tie-plate during the upward movement of the cross-head, and the tie-plate to close the upper end of that mould at such time.

- 1,461,160. VEGETABLE SLICER. RAPHAEL A. PORTER, Payson, Utah. Filed Nov. 15, 1922. Serial No. 601,105. 9 Claims. (Cl. 146-7.)



6. A vegetable cutter including coating frames, one of said frames being formed of separate sections shiftable away from each other, means acting when said frames are forced toward each other to cause the sections of the first named frame to be forced away from each other, and a series of blades carried by the first named frame, the separation of said sections acting to tension the blades.

- 1,461,161. SURGICAL APPLIANCE, BRACE, AND SOCKET FOR ARMS AND LEGS. ROBERT WILLIAM REED, Rochester, Minn. Filed June 10, 1921. Serial No. 476,634. 6 Claims. (Cl. 128-90.)

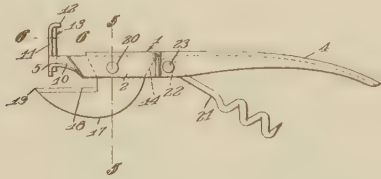


1. An appliance of the class described comprising superimposed layers of stripped, open mesh fabric laid in non-inflammable celluloid and having embodied therein a sheet of rawhide stretched and moulded and covered with a close mesh fabric and united to its adjacent layers.

- 1,461,162. CAN OPENER. LEWIS D. ROBERTS, Washington, D. C. Filed Mar. 19, 1923. Serial No. 626,201. 3 Claims. (Cl. 30-3.)

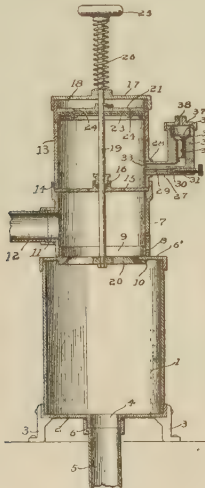
1. In a device of the class described, a single strip of metal bent to provide a grip at one end, a transverse bearing wing at the other end, an intermediate channel, there being a slot in the intermediate wall of the chan-

nel extending up to the wing, those portions of the channel at the sides of the slot being bulged laterally and arched, a cutting blade having a head fitted snugly



within the channel with one straight edge bearing throughout the length of the head against the intermediate wall of the channel, and a fastening means extending transversely through the channel and head.

1,461,163. AUTOMATIC FLUSHING APPARATUS. ARTHUR WILLIAM ROBINSON, San Antonio, Tex. Filed May 24, 1921. Serial No. 472,289. 1 Claim. (Cl. 137-93.)

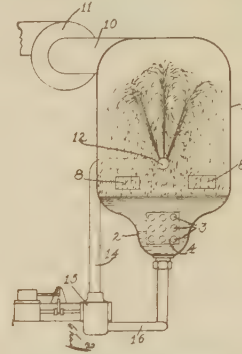


An automatic flushing apparatus including a water-inlet cylinder having a valve seat, a valve for said seat, a vacuum chamber having an air port at its outer end, an air piston within said chamber, a depressible rod connecting the said valve and piston and extending exteriorly of the said chamber, a spring normally positioning the said rod to seat the valve and to locate the said piston at the outer end of the vacuum chamber, a spud at one side of the said chamber and adjacent the inner end thereof, said spud presenting air passages communicating separately with the interior of the chamber below the piston to provide respectively an air outlet and an air inlet, a self-closing valve normally closing the said air outlet and automatically operable upon the downward movement of the piston to uncover the outlet, and means for varying the effective area of the said air inlet.

1,461,164. METHOD OF CONDENSING FLUIDS. CHARLES E. ROGERS, Detroit, Mich. Filed Feb. 7, 1919. Serial No. 275,498. 6 Claims. (Cl. 99-5.)

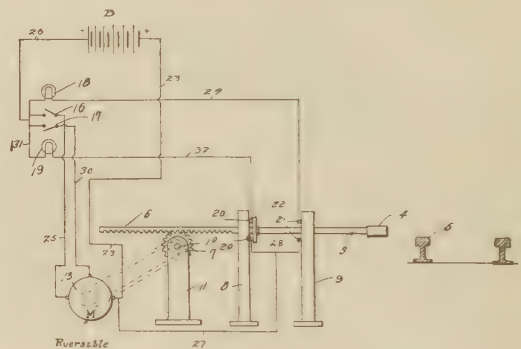
3. The method of condensing fluids consisting in heating a body of the fluid to a temperature not to exceed 160 degrees F. in a chamber, pumping the fluid from the bottom of the said chamber and spraying it upward therein to fall by gravity into the body of fluid, and passing air therethrough and over the surface of the heated liquid body of a temperature below the temperature of

the liquid and having an avidity for moisture, the air tending to chill the sprayed liquid which is reheated as it falls into the body thereof and is again sprayed



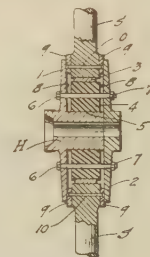
and exposed to the moisture absorbing air, the process continuing until the entire body of the liquid is condensed to the desired extent.

1,461,165. TRACK SIGNAL. LEROY S. SNELL, Utica, N. Y. Filed June 14, 1921. Serial No. 477,435. 2 Claims. (Cl. 246-211.)



1. A track signalling mechanism including a torpedo-carrying bar, uprights on which said bar is slidable, a pin extending laterally from the bar and disposed intermediate said uprights, said pin adapted to engage the uprights to limit movement of the bar in opposite directions, signals in electric circuits having spaced contacts on said bars and adapted to be engaged by said pin to close said circuits.

1,461,166. CUSHIONED HUB. CHARLES E. SOPER, Elmira, N. Y. Filed Mar. 1, 1922. Serial No. 540,260. 2 Claims. (Cl. 152-43.)



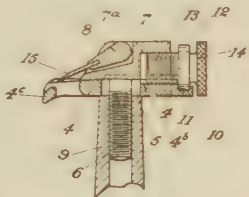
1. In a wheel structure, a hub, a collar, a cushioning element of yieldable material fitted within said collar, said element having a bore through which the hub is snugly disposed, said cushioning element being under compression within the collar, a rim, means for opera-

tively engaging said rim with the collar, said hub being provided with outstanding spaced flanges between which the cushioning element and collar are positioned, said cushioning element being of a length less than the distance between the flanges, and members disposed through the flanges and cushioning element for holding the cushioning element in applied position.

1,461,167. CARBONACEOUS FUEL. WALTER EDWIN TRENT, Washington, D. C. Filed June 19, 1922. Serial No. 569,329. 7 Claims. (Cl. 44—1.)

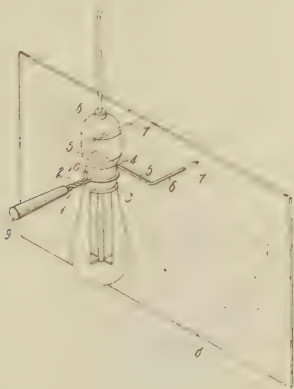
2. A composite fuel of a plastic consistency and composed principally of finely divided carbonaceous material, oil and water, the oil content of the fuel being of a quantity constituting at least 15 per cent of the mass by weight.

1,461,168. SAFETY RAZOR. JAMES ALEX DENBY WATT, London, England, assignor to Super Razors Incorporated, New York, N. Y. Filed Mar. 28, 1921. Serial No. 456,467. 1 Claim. (Cl. 30—12.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A safety razor of the kind herein specified comprising a blade carrier, a blade pivotally mounted therein, a blade guard disposed below said blade carrier, said blade carrier and blade guard being adjustable across the longitudinal axis of the razor handle, an index pointer on said blade carrier, a headed screw coupling the said carrier with the said guard, and a graduated scale on the said screw adapted to register with the said index pointer for indicating the degree of adjustment obtained between the blade carrier and the blade guard.

1,461,169. INSECT CATCHER. WALTER C. WILSON, Montello, Nev. Filed Aug. 11, 1922. Serial No. 581,097. 3 Claims. (Cl. 43—113.)

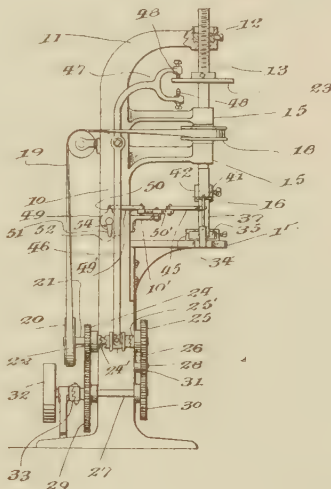


3. An insect catching device of the character described, comprising a horizontal portion composed of a rebent strand of wire, said horizontal portion intermediate its ends being looped to receive a lamp socket, a handle at one side of said loop, the wire projecting from the opposite side of said loop terminating in sharpened end portions, and a sheet of insect catching material detachably fastened to said sharpened end portion.

1,461,170. CLEANING FLUID FOR IMPREGNATING DUST CLOTHS AND THE LIKE. FRANK ALVIN WRIGHT, Hutchinson, Kans. Filed May 11, 1921. Serial No. 468,626. 1 Claim. (Cl. 87—5.)

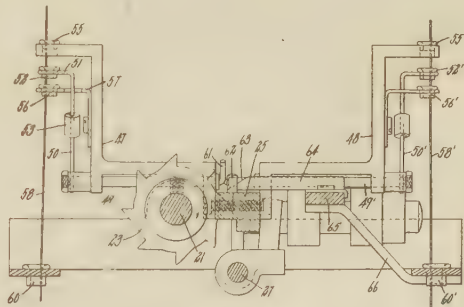
A cleaning fluid for impregnating dust cloths, consisting of crude oil, gasoline, raw linseed oil and oil of cassia in about the proportions of one gallon of crude oil, one-half gallon of gasoline and four ounces of raw linseed oil, approximately two drops of oil of cassia being added for each four square feet of cloth.

1,461,171. NUT-TAPPING MACHINE. RUFUS F. BAENES, Springfield, Mass. Filed Mar. 16, 1921. Serial No. 452,861. 4 Claims. (Cl. 10—136.)



4. In a nut tapping machine, the combination with a tap spindle and a gear shifting lever operable thereby, of a nut blank feeding mechanism including a magazine, a plunger operable to push the blanks successively from the magazine into position beneath the tap, a rotatable element having a radial arm, a pivoted lever connected with the plunger, a spring for retracting the plunger into position behind a nut blank, and a pin on the shift-lever for moving the disk to actuate the plunger.

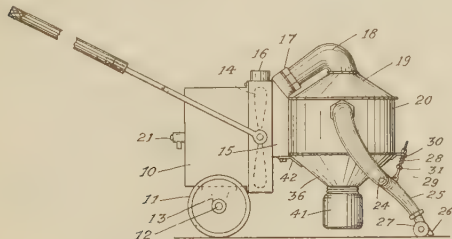
1,461,172. STOP MOTION FOR KNITTING MACHINES. WILLIAM T. BARRATT, Bennington, Vt. Filed Nov. 18, 1921. Serial No. 516,040. 25 Claims. (Cl. 66—7.)



1. A stop motion mechanism for a knitting machine having, in combination, a driving shaft, a rotary stop member, a normally stationary stop member adjacent thereto, a guide for a strand of yarn, a pivotally mounted member to which said yarn guide is attached, locking means actuated by said pivotally mounted member and normally held out of engagement with said stop members by said strand of yarn when under tension

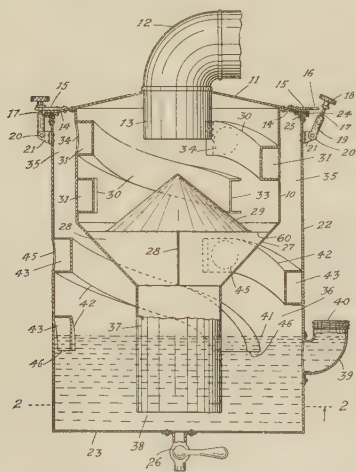
during the operation of said knitting machine, said locking means being adapted to be moved by said pivotally mounted member into interlocking engagement with said stops when allowed by said yarn so to do, whereby the rotation of said rotary stop member may be stopped, and mechanism actuated by the stopping of said rotary stop member constructed and arranged to stop the rotation of said shaft.

- 1,461,173. SUCTION CLEANER. ASHLEY C. BENNETT, Minneapolis, Minn. Filed Sept. 4, 1917. Serial No. 189,449. 2 Claims. (Cl. 15—16.)



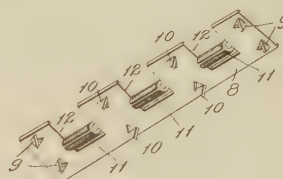
1. A suction cleaner for carpets, rugs and the like comprising a pair of chambers having integrally united walls, one of which is vertically cylindrical, and having means connecting the top of the vertical chamber with the other chamber, a tubular arm connected to the upper portion of the vertical chamber, a suction head on said arm having means engaging the floor so as to support the front end of said casing and having communication through the arm with the interior of the vertical chamber, means in the other chamber for inducing a current of air to pass through the suction head, arm, vertical chamber and other chamber and to discharge therefrom to atmosphere, and means in the vertical chamber for causing gravity separation of dust carried by said induced current.

- 1,461,174. AIR CLEANER. ASHLEY C. BENNETT, Minneapolis, Minn., assignor to Irene E. Bennett, Minneapolis, Minn. Filed Sept. 8, 1917. Serial No. 190,393. 7 Claims. (Cl. 183—24.)



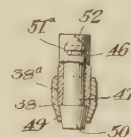
1. An air cleaner comprising a casing adapted to contain a body of liquid therein, means for connecting the casing with an air-current inducing means, means for admitting outside air into the casing and conveying it into said body of liquid, and a casing within the first-named casing through which the air is directed after it leaves said liquid to cause said air to turn in the form of a cyclone to separate excess moisture and solids from said air.

- 1,461,175. HINGE. EDGAR B. BICKER, St. Louis, Mo. Filed Apr. 17, 1922. Serial No. 554,353. 2 Claims. (Cl. 229—44.)



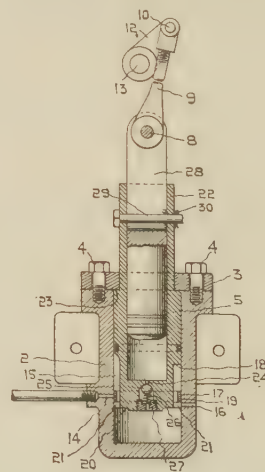
2. A hinge plate having a marginal cut out, a pintle whose sides are wholly freed from the plate and whose ends are integrally connected with the plate for portions only of its width, and said pintle being sectionally arcuated.

- 1,461,176. NEEDLE CHUCK FOR SOUND REPRODUCERS. JOHN WESLEY BOOTH, Trenton, Ontario, Canada. Original application filed Nov. 1, 1920, Serial No. 421,070. Divided and this application filed Apr. 25, 1921. Serial No. 464,353. 1 Claim. (Cl. 274—37.)



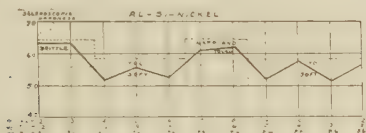
In a sound reproducer, a needle, a chuck comprising a core adapted to support the needle, a sleeve adjustably supporting the core and permitting it to turn through part of a revolution whereby the position of the needle may be adjusted, and means for retaining the core in position in the sleeve.

- 1,461,177. AUTOMATIC BELL RINGER. JOSEPH W. BUCKLAND, Montreal, Quebec, Canada. Filed Mar. 5, 1921. Serial No. 449,967. 8 Claims. (Cl. 121—2.)



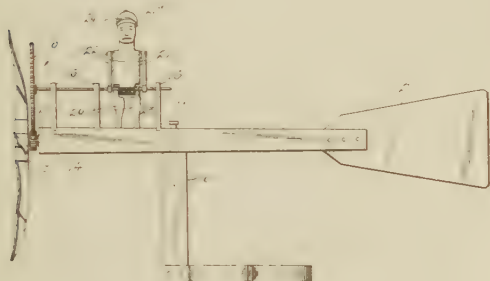
1. In an automatic bell-ringer the combination with a cylinder, a hollow piston mounted within said cylinder, a second piston slidably mounted within the hollow piston and adapted to coact with the latter in creating a vacuum when moved relatively thereto in one direction, means operatively connecting one of said pistons to the bell, and means whereby said pistons are actuated.

1,461,178. ALLOY. HUGH S. COOPER, Cleveland, Ohio, assignor, by mesne assignments, to Kemet Laboratories Company Inc., a Corporation of New York. Filed Aug. 26, 1918. Serial No. 251,375. 9 Claims. (Cl. 75—1.)



1. An alloy composed of a preponderating amount of nickel, aluminum and silicon in which the percentage of either of the last two substances is not less than three percent and not more than twelve percent.

1,461,179. FIGURE TOY. THOMAS W. CRENSHAW and WILLIE J. CRENSHAW, Clarksville, Tex. Filed Apr. 30, 1921. Serial No. 465,676. 2 Claims. (Cl. 46—14.)



1. In a wind-operated figure toy, a support, a member pivoted to the support to swing in a horizontal plane and provided at one end thereof with a guiding vane, a shaft rotatably mounted in the opposite end of the member and having a wind-wheel secured thereto, braces extending upwardly from the member a crank shaft rotatably mounted in the braces, a driving connection between the wind wheel and crank shaft, horizontal braces extending outwardly from the side of the member, a figure toy embodying legs rigidly secured to said horizontal braces, a body pivotally connected to the upper end of the legs, and arms pivotally connected to the body and having the free extremities thereof pivotally connected with the crank of said crank shaft, said body embodying a head having a projection thereon adapted to engage against the crank of the crank shaft to support the body and prevent excessive pivotal movement thereof.

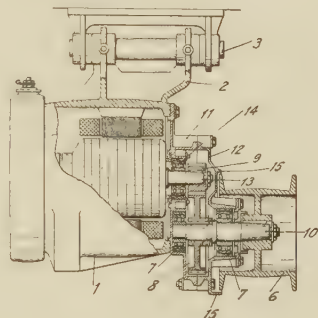
1,461,180. RAILROAD-CROSSING SIGNAL. JOSEPH B. DE LUCA, Philadelphia, Pa. Filed May 9, 1921. Serial No. 467,938. 1 Claim. (Cl. 246—473.)



A device of the class described comprising a box-shaped casing having two opposing side walls of transparent material and provided with appropriate warnings, the other walls of the casing being opaque and an illuminating medium on the central vertical axis within the casing; another illuminating medium carried by said casing exteriorly thereof, but situated on the same ver-

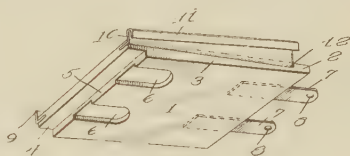
tical axis, a pair of screens attached to said casing having concave surfaces directed towards said second illuminating medium and spaced symmetrically across a plane running parallel to said transparent side walls and through said axis, said concave surfaces having their foci situated in said plane.

1,461,181. DYNAMO DRIVEN BY WHEEL AXLE. EMIL DICK, Geneva, Switzerland. Filed Oct. 16, 1922. Serial No. 594,751. 5 Claims. (Cl. 105—102.)



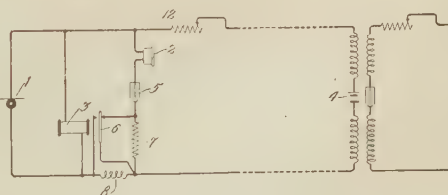
1. In a dynamo having a housing arranged to be pivotally suspended from a support, the combination with the housing and the armature journaled therein, of a gear-case on the housing at one end thereof, a counter-shaft journaled in the gear-case and carrying a pulley outside the latter, and toothed-wheel gearing in said gear-case operatively connecting the countershaft with the armature shaft.

1,461,182. ROOF-PLATE FORM. LARS ENGSETH, Seattle, Wash. Filed Oct. 5, 1922. Serial No. 592,653. 3 Claims. (Cl. 108—10.)



1. A roof plate comprising a thick end having a cutaway portion at one end with a recess adjacent thereto and communicating with the cutaway portion, and a thin end having a thin projecting strip in alignment with the recess, one side edge of the plate having a vertical flange, and the opposite side edge of said plate having a turned flange.

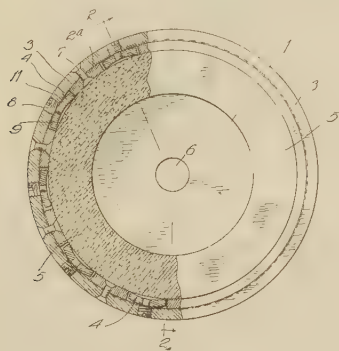
1,461,183. SUBSTATION CIRCUIT. HARVEY FLETCHER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 15, 1920. Serial No. 430,842. 7 Claims. (Cl. 179—81.)



1. The method of operating a substation circuit including a transmitter element for converting sound waves

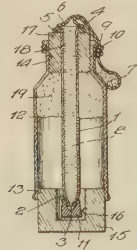
into electric current variations and a receiver element for converting electric current variations into sound waves, which comprises normally maintaining the transmitter element and the receiver element connected in series across a line with the transmitter element short-circuited for alternating current, and changing the circuit connections, in response to operation of the transmitter element, to effectively connect the transmitter element across the line for locally generated signaling current.

1,461,184. ABRASIVE-WHEEL CHUCK FOR GRINDING MACHINES. FREDERIC E. GARDNER, Beloit, Wis. Filed June 14, 1920. Serial No. 388,772. 13 Claims. (Cl. 51—209.)



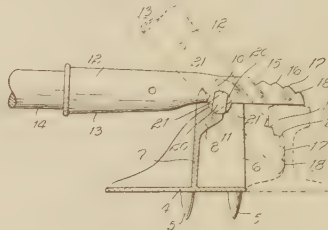
1. A device of the character described comprising, in combination, a shell having a back plate and a rim comprising spaced cylindrical segments, a ring mounted upon said shell and enclosing said rim, and a plurality of independent clamping elements supported on said ring between said segments.

1,461,185. MEDICINAL DEVICE. SIMON GLICKSON, Chicago, Ill. Filed May 29, 1922. Serial No. 564,612. 5 Claims. (Cl. 128—260.)



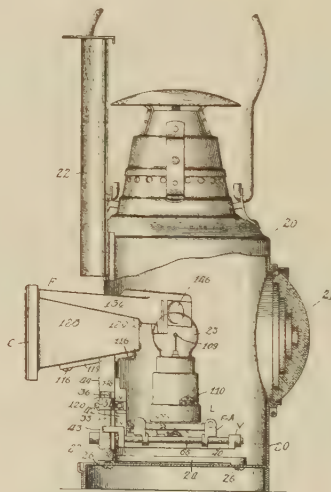
1. The herein described method of preparing and preserving medicine for use which consists in arranging medicine in dry form in a collapsible compartment of a container, the compartment being connected with a compartment containing a liquid closing off communication between the two compartments by compressing the collapsible compartment at its juncture with the liquid container and when it is desired to expel the medicine for use relieving said compression to allow the liquid to contact with the dry medicine and then expelling the medicine from the container by compressing the collapsible compartment.

1,461,186. RAIL JACK. FREDERICK HACHMANN, St. Louis, Mo., assignor of two-tenths to Thomas T. Richards, St. Louis, Mo., one-tenth to Addie Koelling, one-tenth to Hilda Houchens, two-tenths to John H. Bierbaum, all of Marthasville, Mo., two-tenths to Robert E. Einstein and one-tenth to Philip R. Walsh, both of St. Louis, Mo. Filed Mar. 20, 1922. Serial No. 545,073. 3 Claims. (Cl. 254—44.)



1. A jack comprising a support having a substantially vertical web, a semi-circular bearing formed throughout the web, said bearing being provided with rearwardly inclined slots, a lever provided with a semi-circular integral bearing adapted to be seated on the bearing formed in the web, and a series of transverse shoulders formed on the forward end of said lever, certain of said shoulders being adapted to engage beneath the ball of a rail, and the others to engage the web thereof.

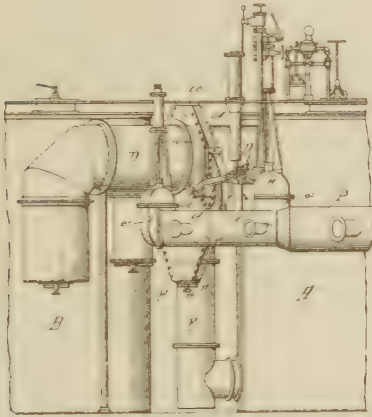
1,461,187. METHOD OF MAINTAINING A SOURCE OF LIGHT IN A DESIRED POSITION IN LANTERNS. CLINTON O. HARRINGTON, Chicago, Ill., assignor to Aldobilt Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 22, 1921. Serial No. 454,444. 7 Claims. (Cl. 88—14.)



1. The method of maintaining, by replacement of the light-giving member, a source of light provided by such light-giving member and a light-projecting member substantially in a desired critical relative position with respect to each other and in which replacement the second light-giving member would not provide the source of light substantially in its desired critical relative position with respect to the light-projecting member without adjustment of one of said members relative to the other, which comprises, first, placing, in any approved way, the source of light provided by such light-giving

member and the light-projecting member substantially in their desired critical relative position with respect to each other; second, recording this critical relative position according to the readings of an optical instrument seated on a part of the lantern in a definite relative position and adapted to indicate various relative positions of the source of light from such light-giving member with respect to the light-projecting member; third, replacing the first light-giving member by a second light-giving member; and, fourth, adjusting one of said members relative to the other while the person making the adjustments observes from such optical instrument, while the adjustments are being made, the effect of such adjustments and until the instrument readings of such optical instrument therefrom substantially coincide with the record made according to the second step hereof.

1,461,188. VALVE. FRED B. HAYES, Fort Wayne, Ind., assignor to The Western Gas Construction Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Feb. 12, 1920. Serial No. 358,096. 13 Claims. (Cl. 251-74.)



1. A valve housing comprising two plates secured together to form a shallow interior chamber, each plate provided with an upper and a lower aperture there-through, a single, thin, rocking valve disc or gate movable edgewise in said chamber, and adapted to close either of said apertures, and means for actuating said valve disc, said chamber being substantially the same size between said plates as the thickness of the valve disc.

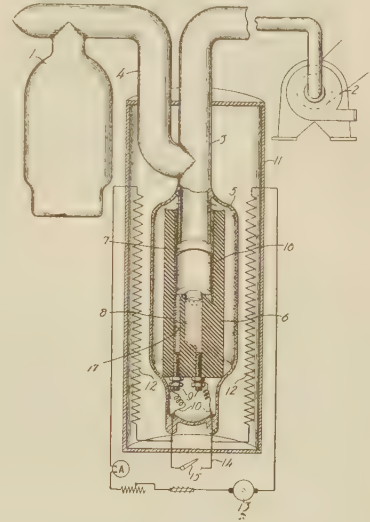
1,461,189. NOVELTY HEADWEAR. PAUL M. HENNEGAN, Cincinnati, Ohio. Filed June 28, 1921. Serial No. 481,105. 1 Claim. (Cl. 2-106.)



A hat of the character described including a central crown portion of substantially oval shape and having pointed ends, said crown, portion being folded longitudinally on the fold line extending from one pointed end to the other, side flaps of substantially rectangular shape arranged on opposite sides of the crown portion, said side flaps being connected to the crown portion at the central portions of said side flaps only, and securing flaps arranged at the ends of the side flaps and connect-

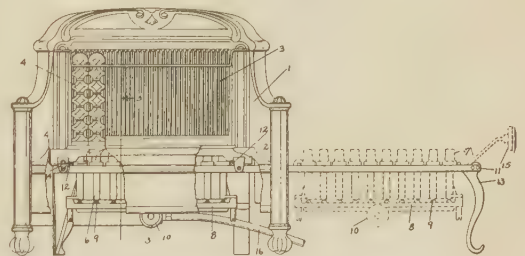
ing the ends of the side flaps together, the upper edges of the side flaps being of irregular shape to provide ornamentation, the front and rear portions of the upper edges of the side flaps being free from the crown portion in order to permit the crown portion to be folded.

1,461,190. VACUUM PUMP. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 16, 1921. Serial No. 478,021. 18 Claims. (Cl. 230-13.)



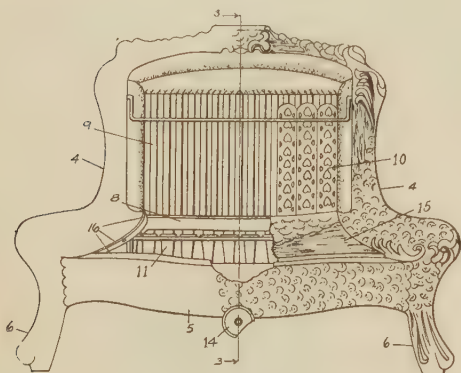
1. In a pump, a container of insulating material, a plurality of puddles of pumping material in said container, means for heating said pumping material, and electrical connections whereby an arc may be established between said puddles.

1,461,191. GAS HEATER. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed Feb. 2, 1922. Serial No. 533,652. 9 Claims. (Cl. 126-92.)



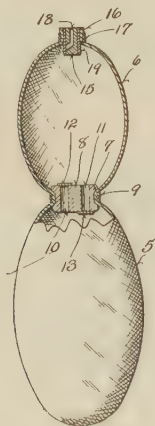
3. In a gas heater, the combination of a frame, a fire-back mounted within said frame, radiating elements disposed in front of said fire-back, a burner comprising a burner body having a plurality of burner tubes provided with tips adapted to be aligned with the radiating elements, a gas manifold provided with a plurality of gas nozzles coacting with said burner tubes, and spaced slideways between which said burner body is slidably supported, said ways projecting at one end of said frame so that the burner may be adjusted to a position within the frame with its tips aligned with the radiating elements or withdrawn from the frame as a complete operative unit independently of said radiating elements.

1,461,192. GAS HEATER. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed Oct. 23, 1922. Serial No. 596,414. 4 Claims. (Cl. 126—92.)



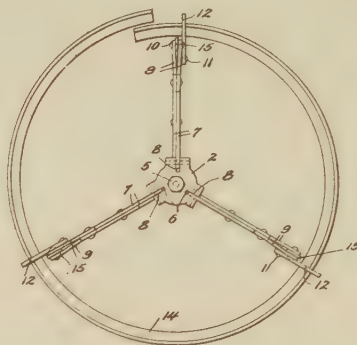
4. In a gas heater, the combination with rear and side walls, of a front frame secured thereto comprising side members and a horizontal frame member extending between the side members, a burner arranged and housed within said walls and frame below said supporting plate, there being an opening between said supporting plate and said front frame side and front members affording access to the burner, and a removable hearth plate constituting a closure for said opening.

1,461,193. PNEUMATIC TOY. HANS LARSEN, Racine, Wis. Filed Feb. 10, 1922. Serial No. 535,521. 1 Claim. (Cl. 46—40.)



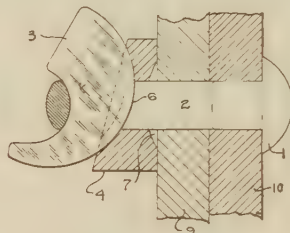
The combination with a pneumatic toy comprising a body portion having an opening surrounded by outwardly projecting flanges, of a plug secured within said opening, said plug having a smooth cylindrical surface and having a duct extending longitudinally inwardly from its outer end and terminating in a laterally extending aperture, an elastic sleeve surrounding the plug and yieldably covering the inner end of the duct, and a binding element surrounding said flanges and binding said flanges against said sleeve and said sleeve against said plug.

1,461,194. SPLIT-RIM TOOL. ALBERT L. LEVY, Youngstown, Ohio. Filed Mar. 28, 1922. Serial No. 547,889. 7 Claims. (Cl. 157—1.)



1. A rim tool comprising relatively movable members, lazy tongs pivotally mounted on the said members and rim engaging elements carried by the lazy tongs.

1,461,195. FASTENING MEANS FOR SHIPS' PLATES. WALDEMAR MEYER, Woodhaven, N. Y. Filed Oct. 15, 1920. Serial No. 417,239. 7 Claims. (Cl. 85—7.)



1. The combination with a bolt, of a curved wedge cooperating therewith and a member adapted to bear against the work and having a curved seat for the said wedge.

1,461,196. DOOR CONSTRUCTION. NATHAN PAINE, Oshkosh, Wis. Filed Oct. 7, 1921. Serial No. 506,142. 1 Claim. (Cl. 20—35.)

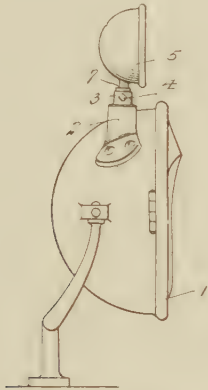


A door comprising an outer frame, an inner frame having a tongue and groove connection therewith and formed of strips mitered together, said inner frame being of material considerably thinner than the outer frame whereby projecting shoulders are produced, molding strips forming fillets along the shoulders, the inner edges of the strips forming the inner frame being molded and grooved, and a panel fitting in the groove thereof.

1,461,197. SIGNAL AND GUIDE LIGHT FOR MOTOR VEHICLES. ANNA PARLOW, Coello, Ill. Filed Sept. 12, 1922. Serial No. 587,724. 1 Claim. (Cl. 240—41.)

In combination with the main right and left headlights of a motor vehicle mounted in fixed position at the front of the vehicle to illuminate the road directly ahead of the latter, of an auxiliary curve illuminating lamp mounted on top of the casing of each main headlight, said curve illuminating lamps being arranged in forwardly converging relation whereby the paths of their rays cross each other for utilizing the lamp on the right headlight to illuminate a left-hand curve and

the lamp on the left headlight to illuminate a right-hand curve, the mountings of the lamps permitting rotary adjustment of the latter about a vertical axis whereby the desired degree of convergence of said lamps may be had, at will, and means to secure said lamps in adjusted



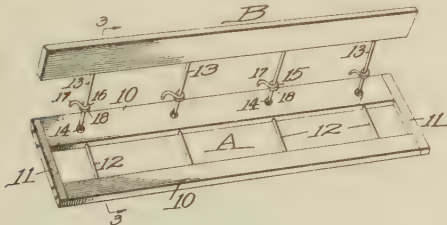
position, each lamp mounting further embodying an inverted U-shaped bracket fixed on the headlight casing and having an integral central hollow boss and a vertical depending stem rigid with the casing of the lamp and rotatably positioned in said boss.

- 1,461,198. CONTROLLING DEVICE FOR DRAWN IMPLEMENTS. VITAL PELLISSIER, Merced, Calif. Filed Dec. 5, 1921. Serial No. 520,016. 6 Claims. (Cl. 37—124.)



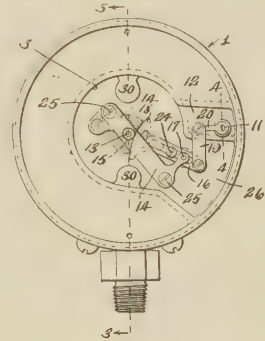
1. A control device for drawn implements comprising a beam universally mounted to a draft vehicle and projecting rearwardly therefrom, a carriage mounted for longitudinal movement on the beam and adapted to be connected to an operating lever of the drawn implement, and means operable from the draft vehicle for moving the carriage in either direction.

- 1,461,199. BEDCLOTHES HOLDER. CHARLES N. PROUTY, Spencer, Mass. Filed Apr. 28, 1919, Serial No. 293,192. Renewed Dec. 5, 1922. 5 Claims. (Cl. 5—22.)



clamping member can be moved away from the frame, or whereby the clamping member can be clamped to the frame at a plurality of points.

- 1,461,200. PRESSURE GAUGE. KNUT R. STRANDELL, Syracuse, N. Y. Filed Feb. 2, 1921. Serial No. 441,916. 3 Claims. (Cl. 73—109.)



1. A pressure gauge comprising a casing, a Bourdon tube in the casing, the casing being formed with an arc shaped chamber in which the tube is located, a dial plate on the front of the casing, an indicator movable over the dial and mechanism in the rear of the plate and outside of said chamber for actuating the indicator, said mechanism comprising a rock shaft extending through a wall of said chamber and connected to the Bourdon tube to be rocked thereby.

- 1,461,201. MEANS FOR ATTACHING STEEL CAR ENDS. WILLIAM E. VAN DORN, Chicago, Ill. Original application filed Nov. 19, 1920, Serial No. 425,040. Divided and this application filed Feb. 17, 1921. Serial No. 445,682. 16 Claims. (Cl. 105—410.)

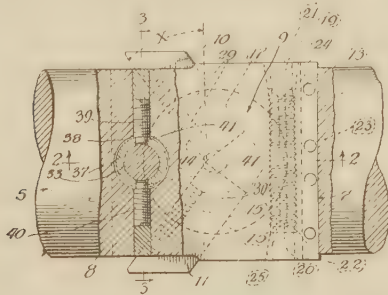


1. The combination with the side walls of a car body, of a sheet metal end having its side marginal portions flanged to engage with the outer faces of said side walls, said end having transverse corrugations bent lengthwise so as to bring the ends on the inner side of the plane of the sheet and the middle portion on the outer side of the plane of the sheet, and reinforcing elements lying within the corners formed by the said walls and said end and secured respectively to the end portions of the corrugations and to the said side walls.

- 1,461,202. BORING BAR AND THE LIKE. ALAN E. VOSBURG and ROBERT B. WHITNEY, Detroit, Mich., assignors to Arthur V. Hannifan, Chicago, Ill. Filed Apr. 26, 1922. Serial No. 556,775. 11 Claims. (Cl. 77—58.)

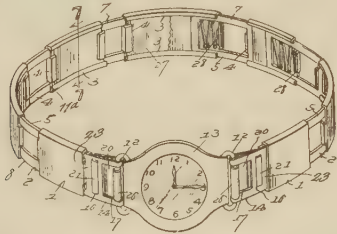
1. In a boring bar the combination of a shaft having a transverse slot with radial end walls, a tool block seated within said slot and fully occupying the axial dimension of the slot, a pair of cutting tools mounted within the tool block, means within the tool block for adjusting said tools towards and from each other, means within the tool block for locking the tools, there being a transversely extending hole in the shaft communicating axially with the transverse slot, there being a tapered recess in the face centrally of the tool block in position to register with said hole, a centering pin extending loosely through the hole and having its inner end tapered and adapted to wedge into the recess of the tool block and having its outer end loosely in threaded engagement

with the shaft, means for exactly centering the position of said pin with respect to the axis of the shaft comprising a collar mounted in the shaft and through which the pin extends in accurate fashion, and a pair of opposing screws in the shaft working on opposite sides of the collar, means for sealing over said set screws, there



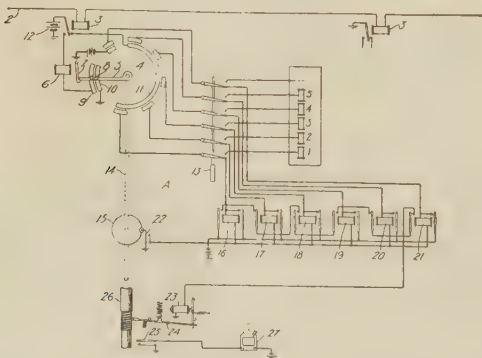
being an axial recess in the wall of the passage aforesaid, and there being an axial recess in the end portion of the pin, said recesses being relatively so positioned that when the pin is jammed into the recess of the tool block said recesses are out of register, substantially as described.

1,461,203. LINK FOR EXPANSIBLE BRACELETS. GEORGE J. BAUER, Pawtucket, and FRANK B. CARLSON, Providence, R. I. Filed July 26, 1922. Serial No. 577,616. 4 Claims. (Cl. 59—79.)



1. In combination, a platen provided with overturned parallel flanges on its longitudinal edges, a pair of loop links slidably engaged with said flanges, the ends of the plate having overturned flanges of lengths substantially equal to the width between the sides of the loop links, said end flanges engaging between the sides of the loop links, a back plate overlying the adjacent ends of the loop links and engaging under the longitudinal and end flanges.

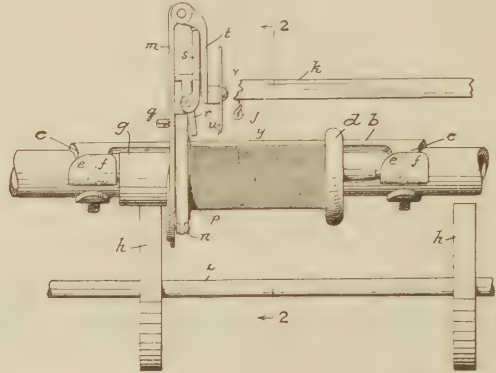
1,461,204. SIGNALING SYSTEM. JOHN H. BELL, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1920. Serial No. 374,596. 14 Claims. (Cl. 178—23.)



11. In combination with a printer mechanism, a line, a plurality of relays, a distributor, a switch controlling

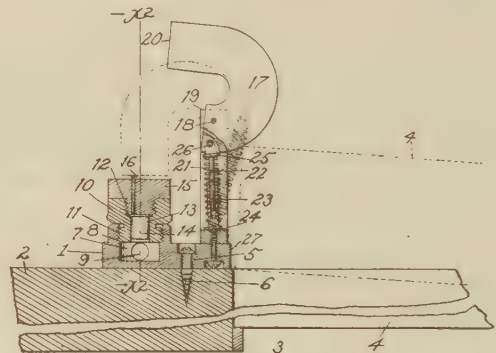
the connection of said printer mechanism and said relays with said distributor, a signaling device, and means operated due to the energization of certain ones of said relays and rendered effective only upon the successive reenergization of such relays a definite number of times for causing the operation of said signaling device.

1,461,205. SPOOLING MACHINE. LOUIS BERZON, Philadelphia, Pa., assignor of one-third to himself, one-third to Joseph Brezin, and one-third to William Kosakoff, all of Philadelphia, Pa. Filed July 28, 1922. Serial No. 578,036. 5 Claims. (Cl. 242—39.)



1. In a yarn spooling machine, a spool, means to drive the spool, a thread of yarn to be spooled, means to reciprocate the thread of yarn in its passage to the spool longitudinally thereof during the winding operation, and means actuated by the reciprocated thread of yarn in its passage to the spool adapted to interrupt the drive of the spool.

1,461,206. BURGLAR ALARM. JAMES EDWARD BOND, Sawtelle, Calif. Filed June 28, 1921. Serial No. 480,986. 9 Claims. (Cl. 116—88.)

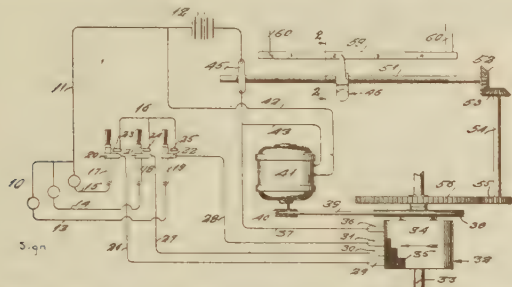


8. A burglar alarm comprising a base adapted to be attached to a door or window frame, said base having a cartridge chamber therein, a firing pin for discharging a cartridge in said chamber, a bifurcated post secured to said base, a hammer pivoted to said post and having a shoulder, a rod pivoted to said shoulder, a tube telescoping said rod and pivotally connected to said post; a spring under tension arranged between the pivoted end of said rod and the base of said tube; said spring adapted to hold said hammer in striking position; and means whereby opening of a door or window will cause said spring to actuate said hammer against said pin.

1,461,207. AUTOMATIC ELECTRIC-CIRCUIT-CONTROL MECHANISM. FRANK J. BONK and ARTHUR W. STEWART, Ripon, Wis. Filed Dec. 19, 1921. Serial No. 523,468. 1 Claim. (Cl. 177—346.)

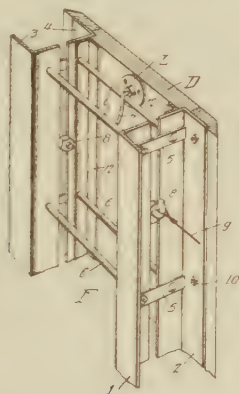
In a sign flashing mechanism, a contact drum, a motor for actuating said drum, a source of current supply con-

nected in circuit with the sign, said drum and said motor, a switching device connected in the circuit, a screw shaft driven from said motor and simultaneously with said drum, a threaded member predeterminedly mounted on and movable by said shaft for actuating said switching device for effecting the opening of the



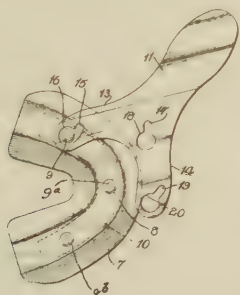
circuit after a predetermined time period of operation of said flashing mechanism, and a bar extending parallel to said shaft and having scale graduations thereon in hours and fractions thereof for the setting of said detent for predetermined periods of operation of said flashing mechanism.

- 1,461,208. SILO-DOOR FRAME. CASPER M. B. BOOS, Chicago, Ill. Filed Aug. 31, 1921. Serial No. 497,167. 8 Claims. (Cl. 72-6.)



1. In a structure of the character described, a frame comprising pairs of spaced angle-irons at the sides of the frame, spaced members of pre-determined lengths connected to said angle-irons for holding the angle-irons a given distance apart to provide for adjustably connecting stay means in the pairs of angle-irons, and stay means adjustably connected thereto.

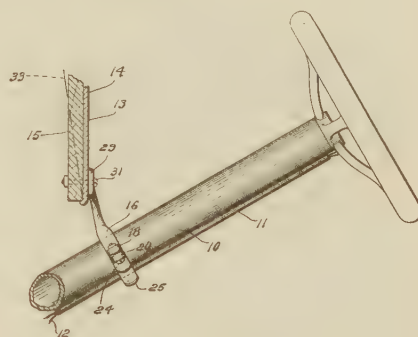
- 1,461,209. DETACHABLE HOLDER FOR DENTAL IMPRESSION TRAYS. JOSIAH S. BRIDGES, Chicago, Ill. Filed Mar. 13, 1922. Serial No. 543,186. 5 Claims. (Cl. 32-6.)



1. A detachable holder for dental impression trays, provided with branching arms and having closed slots

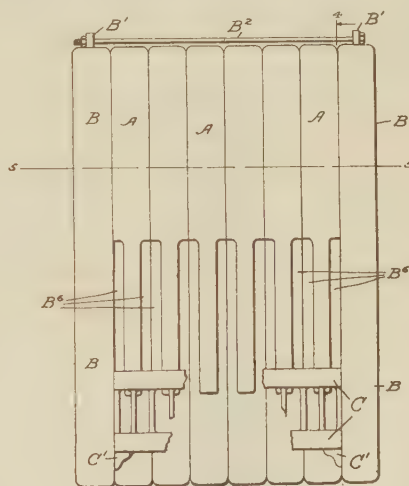
adjacent the ends of said arms and at a point intermediate thereof for detachably securing the tray to the holder in its operative position against accidental detachment.

- 1,461,210. BRACKET. JOHN T. CORLEY, Providence, R. I. Filed Sept. 25, 1922. Serial No. 590,335. 2 Claims. (Cl. 280-87.)



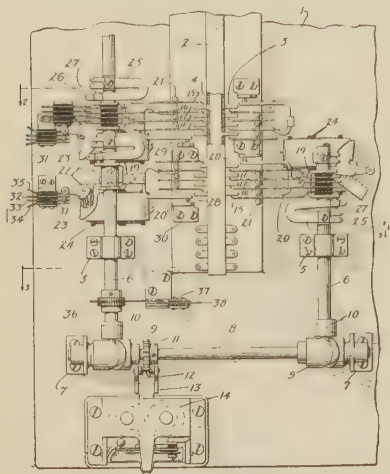
1. A bracket formed of bendable metal having a yoke portion adapted to embrace the steering column of a motor vehicle, a cap removably secured to said yoke to bind the column therein, a short neck portion on said bracket having laterally-extending fastening flanges on its upper end, said neck portion having its side edges turned back forming a trough in the under side thereof which gradually increases in depth from the flange to said yoke portion whereby said neck portion is adapted to be bent or twisted relative to the yoke portion to conform to the varying planes of the different fastening bases.

- 1,461,211. FIREPLACE. WALTER E. DE ARMOND, Knoxville, Tenn. Filed Feb. 20, 1922. Serial No. 538,070. 34 Claims. (Cl. 126-132.)



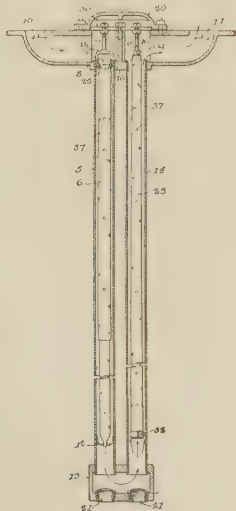
1. In a structure of the kind described, the combination of upright side members, upright intermediate members bearing against each other and the side members and having their upper and lower and back faces and the upper parts of their front faces approximately even with the corresponding faces of the side members and being channeled on their side faces, the upper ends of the channels opening through the upper faces of said members, and means for securing said side members and said intermediate members to each other, substantially as described.

1,461,212. TELEPHONE-EXCHANGE LINE SWITCH. HENRY F. DOBBIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1920. Serial No. 405,626. 12 Claims. (Cl. 179—27.5.)



1. In a switch, a stationary contact, a moveable contact member operably associated with said stationary contact, means for moving said contact member relative to said stationary contact, means operable to restrain said contact member from movement relative to said stationary contact, and means conjointly associated with said first mentioned means and said contact member whereby said contact member when not restrained is moved simultaneously with said first mentioned means and whereby when said contact member is restrained said first mentioned means can be moved independently thereof.

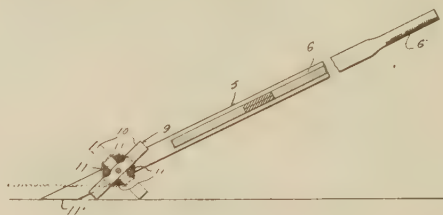
1,461,213. SUPERHEATER. GEORGE P. DRAYO, Milwaukee, Wis. Filed July 3, 1919, Serial No. 308,568. Renewed Oct. 25, 1920. Serial No. 419,488. 4 Claims. (Cl. 22—460.)



1. In a superheater the combination of an inlet chamber, a heating tube connected at one end with said chamber and having an outlet at the other end, a perforated core pipe extending from said chamber with which it communicates at one end into the heating tube with which it forms an annular passage of enlarged size adjacent the

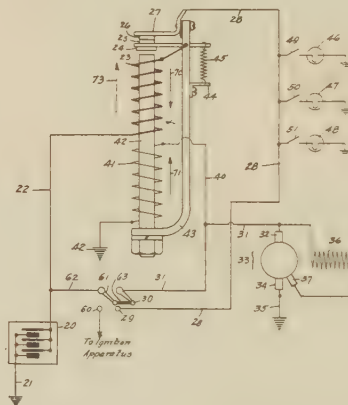
outlet end of the heating tube, and a bushing interposed between the heating tube and core pipe adjacent its inlet end and formed with an opening from said chamber into said passage.

1,461,214. WIRE DISTRIBUTOR. JOHN W. HENDRIX, Baldwin, Miss. Filed June 18, 1919. Serial No. 305,118. 1 Claim. (Cl. 254—77.)



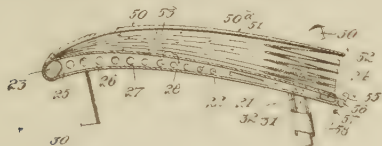
A wire distributor and stretcher comprising a pair of parallel side members each having a handle formed on one end, each of said side members having their lower end portions cut away to provide flat ground engaging runners and sharp ground penetrating prongs, a distributing reel rotatably mounted between said side members, said reel being provided with spaced radial arms at each of its ends, said side members extending a distance beyond the distributing reel, and the arms of the reel adapted to be thrust into engagement with the ground to prevent the reel rotating and to permit of stretching of the wire, and the penetrating end of the side members being engageable with the ground when the reel is elevated and adapting the device for further stretching of the wire owing to the leverage obtainable by using the side members as stretching levers.

1,461,215. SIGNAL. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Sept. 30, 1918. Serial No. 256,162. 1 Claim. (Cl. 177—311.)



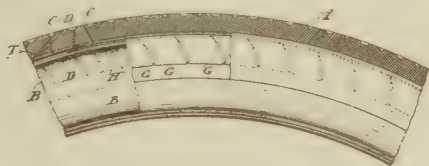
In an electrical system a generator, a storage battery and electrical signaling means for indicating when the battery is discharging through said generator, said signaling means including an electromagnet comprising a core and an electromagnetic winding, an armature for said magnet, a switch comprising a contact carried by said armature and a stationary contact and means for yieldingly holding said contacts together; a circuit connecting said battery to said generator and including said electro-magnetic winding and said switch in series, whereby the circuit will be intermittently opened when said magnet is energized and an indication will be given by the striking of the contacts against each other; and a polarizing winding on said magnet core connected across the terminals of said generator to prevent said magnet from attracting its armature when current is flowing from said generator to said battery and to permit it to attract its armature when current is flowing from said battery to said generator.

- 1,461,216. SAFETY DEVICE FOR FLYING MACHINES. SIDNEY D. JACOBSON, New York, N. Y. Filed Mar. 25, 1922. Serial No. 546,571. 6 Claims. (Cl. 244—21.)



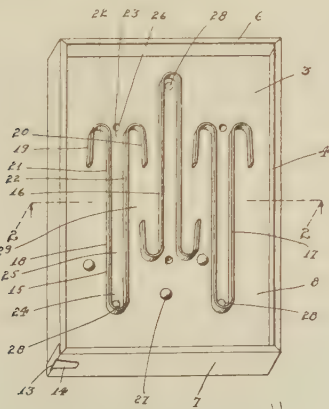
4. In a flying machine, a source of supply of inflating gas under pressure, a plurality of inflatable members attached to said flying machine, each of said inflatable members comprising a false plane member and associated flexible members forming a balloon compartment, locking means for normally maintaining said inflatable members in deflated condition, means for releasing said locking means to permit the inflation of said inflatable members, and means associated with said releasing means and cooperating therewith for bringing said inflatable members into communication with said source of supply of inflating gas to inflate said inflatable members.

- 1,461,217. PUNCTUREPROOF RELINER FOR PNEUMATIC TIRES AND CASINGS. DAVID L. LAZERICK, Cleveland, Ohio. Filed Jan. 30, 1922. Serial No. 532,594. 1 Claim. (Cl. 152—18.)



A shield for a pneumatic tire or tube comprising a band of thin sheet metal curved to conform to the circumferential curves of said tube and tire, said band provided with parallel arcuate marginal slits, alternate slits being cut from opposite edges of said shield, said slits overlapping each other beyond the axial center of the band at their outer ends, the tongues separated by said slits having their adjoining edges overlapping and the rear edge of each tongue overlapping the forward edge of the next adjoining tongue, the extremities of said slits extending rearwardly upon the road side of said tire.

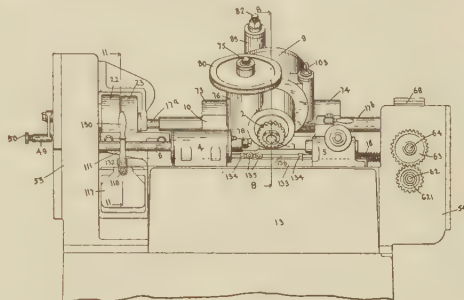
- 1,461,218. GAME. RUDOLPH N. MAXWELL, Cincinnati, Ohio. Filed June 28, 1922. Serial No. 571,365. 3 Claims. (Cl. 46—41.)



1. In a game of the class described the combination of a series of substantially U shaped strips having a

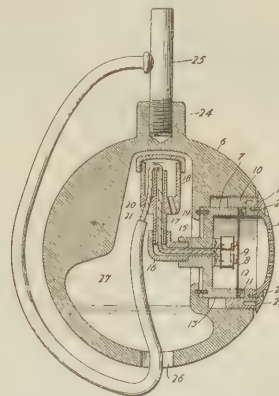
main pocket formed at their base, the arms of the strips being turned upon themselves at their free ends, whereby to form auxiliary pockets adjacent the ends of the arms, the strips being disposed with their arms in substantial parallelism one with the other, adjacent strips having their main pockets disposed at opposite ends of the device, and movable bodies adapted to be lodged in the pockets.

- 1,461,219. MACHINE FOR GENERATING AND CUTTING THREADS AND THE LIKE. EDWARD W. MILLER, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed Nov. 15, 1921. Serial No. 515,291. 16 Claims. (Cl. 90—4.)



1. A thread generating machine comprising a cutter holder, a cutter rotatably mounted upon said holder and having a dentate cutting edge similar in outline to a gear wheel, means for supporting a substantially cylindrical work piece and rotating said work piece about its geometric axis, means for effecting relative displacement between the cutter holder and work piece in the direction of the axis of the latter, and means for rotating the cutter consisting of a worm wheel rigidly connected with the cutter but of different pitch diameters and a rotatable worm in mesh with said worm wheel, the worm being at the same time displaced endwise relatively to the cutter holder at such a rate that the cutter is caused both to rotate in the manner of a worm wheel in mesh with a worm corresponding to the work piece and to roll relatively to the work piece in the manner of a gear wheel rolling in mesh with a rack.

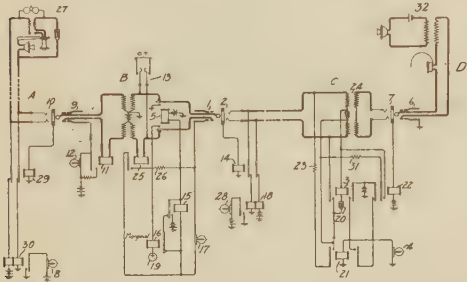
- 1,461,220. SUBMARINE SIGNALING. CHARLES R. MOORE, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 28, 1919. Serial No. 313,730. 5 Claims. (Cl. 177—386.)



1. In apparatus for the detection of under-water vibrations, a hollow casing adapted to be submerged, said cas-

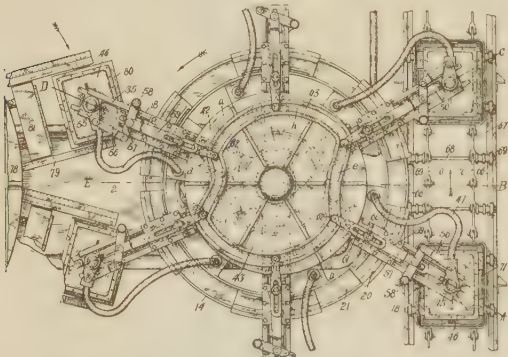
ing being provided with an opening, placing the interior of the casing into direct communication with the surrounding water, means within said casing including a diaphragm responsive to vibrations to vary the electrical characteristics of a circuit, means communicating between the interior of said casing and the inner side of the diaphragm to permit compensating for the hydrostatic pressure acting on the diaphragm, and additional means for preventing water from reaching the current-varying means.

1,461,221. TELEPHONE-EXCHANGE SYSTEM. LOUIS A. MORTIMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1920. Serial No. 425,078. 10 Claims. (Cl. 179—44.)



9. In a telephone exchange system, a subscriber's line, a trunk line, means for establishing a connection therebetween, a ringing circuit closed by the establishment of said connection, a relay in the trunk line actuated in response to the closure of said circuit, a second relay, a signal actuated in response to the operation of said first mentioned relay, and means controlled jointly by said first mentioned and said second relay for rendering said ringing circuit ineffective.

1,461,222. MACHINE FOR DELIVERING CORES TO MOLDS. HUBERT A. MYERS, Toledo, Ohio, assignor to The Hubert A. Myers Company, Toledo, Ohio, a Corporation of Ohio. Filed July 9, 1920. Serial No. 394,918. 19 Claims. (Cl. 198—25.)

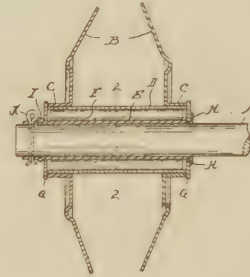


1. In a machine of the class described, a revoluble member, a suction head carried by the member for revoluble movements therewith and different movements relative thereto, and mechanism automatically operable to create a suction in the head at one point in its revolution to pick up an article at such point and to release the suction at a different predetermined point in a revolution of the head to release an article carried thereby, and also to impart predetermined movements to the head relative to the member.

19. In a machine of the class described, an article conveyer having linear movements, a revoluble member

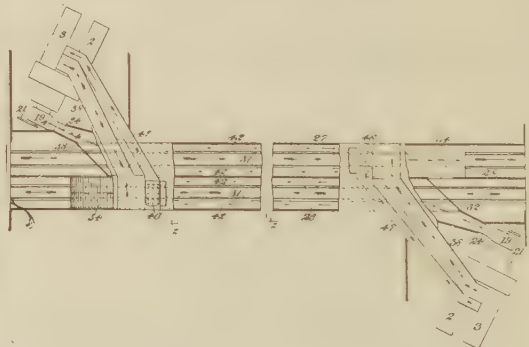
adapted to pass over the conveyer during a portion of its revoluble movement, an article picking up head carried by the member, separate means automatically operable to impart vertical, radial and horizontal rocking movements to the head to maintain it in article picking up register with the conveyer during a predetermined portion of a revolution of the head, and means for creating a suction in the head at one point in its revolution and releasing it at another point in its revolution.

1,461,223. HUB-BEARING CONSTRUCTION. FRANK A. NAUTS, Toledo, Ohio, assignor to The Gendron Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 6, 1922. Serial No. 541,627. 1 Claim. (Cl. 301—3.)



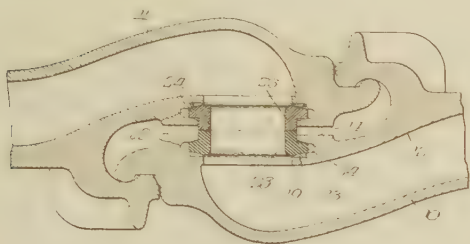
The combination with an axle, of a skein embracing said axle, a hub having a barrel surrounding said skein, anti-friction members between said skein and said barrel, a washer surrounding said skein at the outer end thereof and abutting against one end of said barrel, knobs upon said skein retaining said washer in position, the inner end of said skein being reduced in diameter to provide a shoulder, a washer surrounding the reduced portion of said skein and abutting against said shoulder as well as the other end of said barrel, the reduced portion of said skein being upset to retain the last-mentioned washer in abutment with said shoulder, and means for restraining said skein against rotation and longitudinal movement upon said axle.

1,461,224. DRYING APPARATUS. JOHN W. PEARSON, San Francisco, Calif. Filed Dec. 13, 1919. Serial No. 344,689. 13 Claims. (Cl. 34—26.)



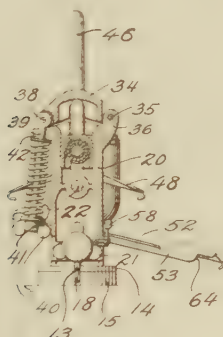
1. A drying apparatus comprising an elongated chamber in which the product to be dried is placed, means for producing a mixture of air and products of complete combustion, means for blowing the mixture into the chamber at one end and a gate at the other end of the chamber arranged to deflect the stream of mixture upwardly and a conduit medially connected to the other end of the chamber arranged to receive said deflected stream.

1,461,225. COUPLING HEAD. WILLIAM L. READ, Chicago, Ill., assignor of one-half to Charles F. Read, Chicago, Ill. Filed Apr. 16, 1921. Serial No. 461,835. 8 Claims. (Cl. 285—63.)



1. A coupling head, comprising a body having a port extending therethrough, and a substantially flat ring of non-corrodible material surrounding said port, the inner diameter of said ring being substantially flush with the walls of said port and the perimeter of said ring being entirely surrounded by and anchored in the metal of said body.

1,461,226. CLOTHES WRINGER. CHARLES E. REDDIG, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 14, 1920. Serial No. 410,114. 3 Claims. (Cl. 68—32.)

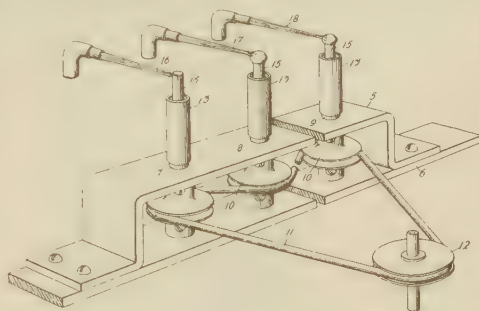


1. In a clothes wringer, the combination of a supporting frame having end members, a roller journaled in said end members, a second roller, bearings for the second roller slidably mounted in said end members, yokes pivotally mounted on the tops of said end members and extending over the bearings for the second roller, tension devices cooperating with said yokes and tending to hold them in a certain position and knock down connections between said yokes and said movable bearings for the second roller which in one position require the movable bearings and yokes to move in unison and in another position leave said bearings free to move independently of said yokes.

1,461,227. VACUUM-TUBE MANUFACTURE. PAUL SCHWERIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 6, 1919. Serial No. 328,820. 5 Claims. (Cl. 49—7.)

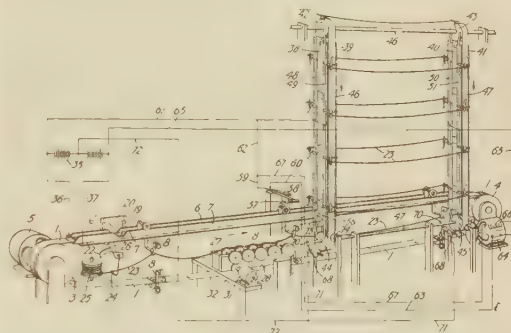
5. A machine for shaping the end of a glass rod comprising a rotatable shaft, a protecting tubular member carried by said shaft and surrounding the major portion of said glass rod for shielding said major portion from

the direct application of heat, means located entirely within said tubular member for holding said rod in a



position to allow only a small portion of said rod to project beyond said tubular member, and means for heating the end of said rod beyond said tubular member.

1,461,228. METHOD AND APPARATUS FOR COATING MATERIAL. PAUL SCHWERIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 17, 1919. Serial No. 331,334. 23 Claims. (Cl. 91—14.)



3. In combination, means for gripping and feeding filamentary material, a second means for gripping said material at regular intervals, and means for impressing a difference of electrical potential between said gripping means to fuse the material therebetween.

4. The method which comprises feeding forward a continuous filamentary material, coating said filamentary material while being heated by an electric current, and severing a portion of the coated material by fusion as said material is fed forward.

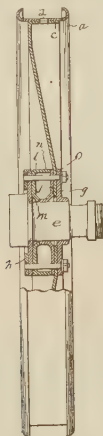
7. The method which comprises feeding forward a continuous piece of material, alternately coating and glowing said piece of material and severing portions of said piece of material by fusion as said material is fed forward.

21. A machine for feeding material which comprises an endless conveyor, a plurality of spaced material grippers attached to said conveyor, means cooperating with said grippers for causing the severing of said material into portions of equal length.

1,461,229. DISK WHEEL. GEORGE D. SLAYMAKER, Detroit, Mich., assignor to Slaymaker Electric Welding Company, a Corporation of Michigan. Filed Aug. 11, 1919. Serial No. 316,580. 2 Claims. (Cl. 301-63.)

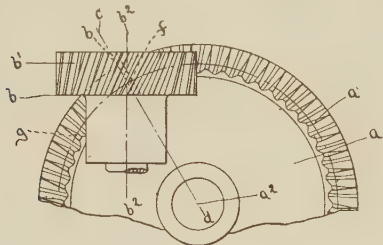
11. In combination with a hub provided with a flange provided with bolt holes and which is substantially offset from the plane of the center of the tread, a disk wheel provided with a central portion having bolt holes, a plurality of threaded studs passing through the said bolt openings in the flange and in the disk of the wheel, a stud-carrying ring for non-rotatably holding the inner

ends of said studs, a spacer in the form of an annulus having bolt openings through which the said studs can pass and having an annular spacing and enclosing flange



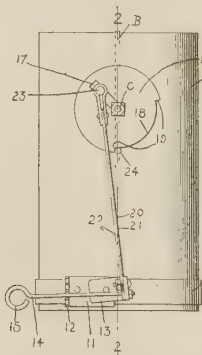
adapted to act as the spacing element between the outside of the hub flange and the central portion of the disk, and nuts that can be run on the ends of the bolts to fasten the wheel, spacer and flange together.

1,461,230. SKEW HELICAL CROWN GEARING. EVERARD STUBBS and EDWIN R. FELLOWS, Springfield, Vt., assignors to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed July 1, 1922. Serial No. 572,300. 10 Claims. (Cl. 74—41.)



1. A gear couple consisting of a crown gear and a helical spur pinion, the axis of the pinion being transverse to the axis of the gear and between the latter axis and the tooth-bearing zone of the gear, and the helix angle of the pinion teeth being such that the active face of each tooth becomes approximately radial to the gear when such face passes through the middle of its arc action.

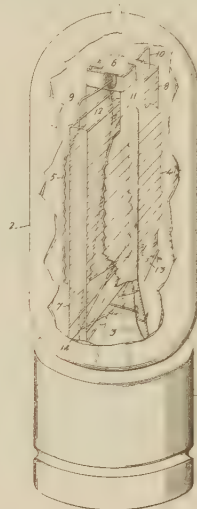
1,461,231. DAMPER CONTROL. LEWIS O. SUDDERBERG, Stratford, Iowa. Filed Apr. 17, 1922. Serial No. 553,355. 3 Claims. (Cl. 236—96.)



1. In combination with a damper pivoted within a heating pipe, a thermostatic control comprising a disk secured

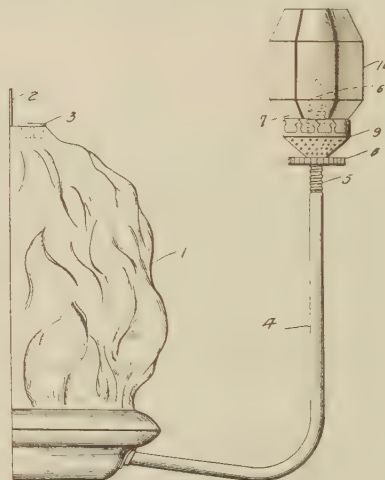
upon the pivot of the damper and formed with a slot, a thermostatic element of dissimilar metals having one end mounted upon the pipe and having its other end carrying a pin engaged within said slot, said thermostatic element being pivoted with respect to the pipe whereby it may be swung to withdraw the pin from the slot.

1,461,232. FILAMENT SUPPORT. SIGURD THRONSEN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 3, 1918. Serial No. 252,379. 4 Claims. (Cl. 250—27.)



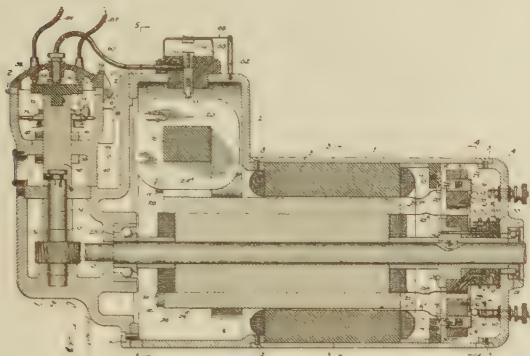
1. An electric device comprising a filament, a rigid support therefor and means to tension said filament comprising a pair of resilient wires, each wire being provided with a return bend portion and having one of its ends connected with said filament.

1,461,233. NIGHT LAMP. EDGAR L. TRENTESSEAU, Boston, Mass. Filed Mar. 10, 1922. Serial No. 542,657. 2 Claims. (Cl. 67—72.)



1. In a lamp of the character specified, a tube having its upper end portion externally screw threaded, a wick within the tube, and a burner comprising a threaded tube mounted upon the threaded end of the wick tube and adjustable thereon for regulating the light or extinguishing the same.

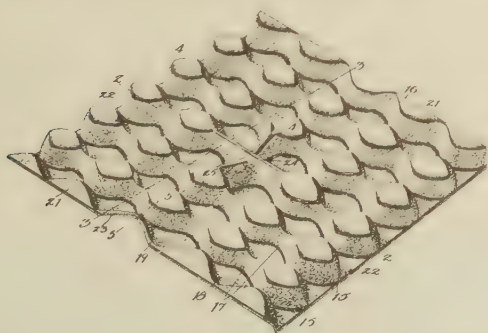
1,461,234. SYSTEM FOR GENERATING AND DISTRIBUTING ELECTRIC CURRENTS. CHARLES H. TOWER, Cleveland, Ohio, assignor to The Teagle Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 3, 1919. Serial No. 287,108. 28 Claims. (Cl. 290—41.)



15. In a single unit direct low tension current and high tension ignition current generator, the combination of a unitary magnetic field structure having branched flux paths, separate generating windings in said paths respectively, one for low tension direct current and the other for high tension ignition current, a rotor common to said windings and having at one end a flux distributing section for distributing flux of the field first through and then outside of said high tension generating winding and an exciting winding disposed in said field structure to excite in common the magnetic circuits for both of said windings.

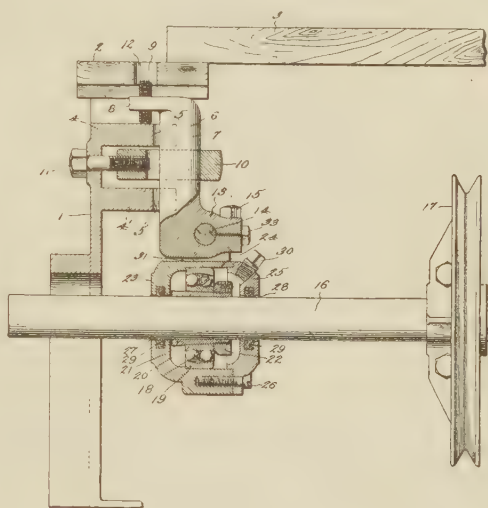
28. In an electrical system, the combination of stator and rotor structures comprising the fixed and moving parts, respectively, of two magnetic circuits, a high tension ignition current generating winding mounted on the stator in inductive relation to one of said magnetic circuits, a low tension commutated direct current generating winding mounted on the stator in inductive relation to the other magnetic circuit, means for exciting both of said magnetic circuits comprising an exciting winding common to both of said magnetic circuits and mounted on the rotor and connections between the low tension direct current generating winding and said exciting winding to supply direct current to the latter, the rotor being adapted in operation to distribute field flux through the high tension generating winding alternately in opposite directions and to induce electro-motive force in the low tension generating winding, and a circuit breaker operated synchronously with the movement of the rotor for opening and closing the circuit of the high tension generating winding.

1,461,235. DIVISION PLATE FOR EGG CASES. J CLARENCE VOORHORST, New York, N. Y. Filed Oct. 21, 1921. Serial No. 509,228. 24 Claims. (Cl. 217—26.)



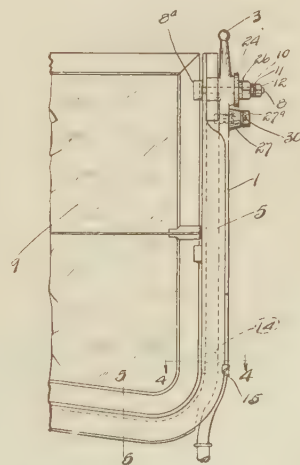
1. A tray division plate for packing cases whose receiving face is a series of parallel receptor corrugations compressible in the case.

1,461,236. SHAFT HANGER. IRVING F. WEBB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 12, 1920. Serial No. 388,460. 5 Claims. (Cl. 64—14.)



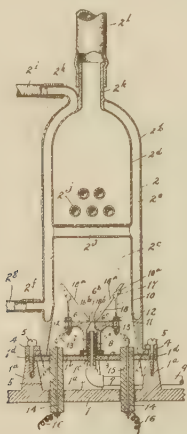
1. In a device of the class described, a supporting means provided with a lug rigid therewith and having a recess, a support having a portion adapted to rest in said recess, means for clamping said support therein, means independent of the clamping means for adjusting the support in said supporting means, and a bearing secured to the support.

1,461,237. SAFETY WINDSHIELD. RALPH H. WEST, Bay City, Mich. Filed Mar. 19, 1921, Serial No. 453,562. Renewed May 24, 1923. 6 Claims. (Cl. 296—84.)



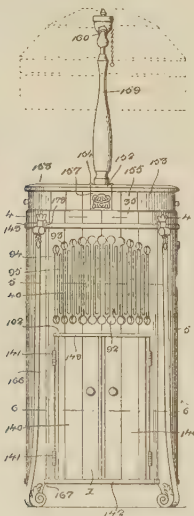
1. A safety wind-shield comprising a frame, an auxiliary frame pivotally connected thereto, frictional means for normally holding the said frame in closed position, and a ratcheting element for holding the said frame in raised position when swung outwardly by inertia.

1,461,238. OZONIZER. MENDAL W. WILLSON, Mount Carmel, Ill. Filed Mar. 3, 1922. Serial No. 540,848. 26 Claims. (Cl. 204—32.)



1. An ozonizer electrode having relatively sharp edges resulting in high concentration of electrical discharge at such edges.

1,461,239. CABINET CONSTRUCTION. WILLIAM H. FRIEDLINE, Meyersdale, Pa., assignor to Modernola Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1919. Serial No. 339,708. 29 Claims. (Cl. 144—309.)

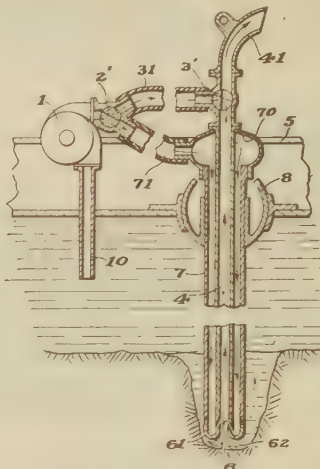


1. The process of producing a wooden cabinet which includes the assembling of a plurality of staves into a cylinder, cutting an end portion from the cylinder transversely to the grain of the staves, and connecting said end portion with the remainder of the cylinder with the stave portions in matched relation whereby the longitudinal continuity of the grain is attained.

1,461,240. DREDGE. BERT O. GODFREY, Seattle, Wash. Filed Oct. 24, 1922. Serial No. 596,547. 8 Claims. (Cl. 87—61.)

1. In combination, a force pump and two conduits open at their lower ends, one of said conduits being connected to the pump, and terminating at its lower end in

annular suction jet directed upwardly within the lower end of the second conduit, and means whereby water



from said pump may be directed upwardly through said jet and the second conduit, or downwardly through the lower end of the first conduit, at will.

1,461,241. MEANS FOR INSTRUCTION WITH RESPECT TO MUSICAL INSTRUMENTS. JAMES CLARKE HAGEY and THOMAS E. KAVANAUGH, Chicago, Ill., assignors, by mesne assignments, to The Q R S Music Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 13, 1919. Serial No. 317,159. 7 Claims. (Cl. 84—164.)

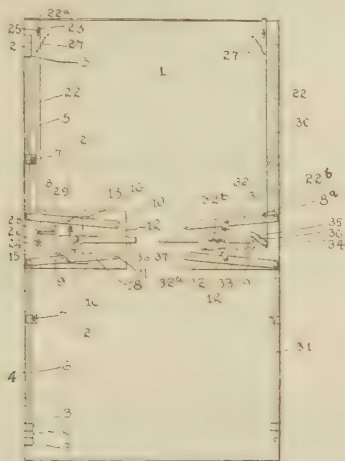


1. A device, for use in an automatic key-board musical instrument, provided with means for selectively causing the sounding of the notes of a selection, and provided also with means for indicating to a pupil the keys which should be struck in playing the selection manually, said last means including key-board depictions.

1,461,242. CLOSURE DEVICE. MICHAEL HORNSTEIN, Paterson, N. J. Filed Sept. 26, 1921. Serial No. 503,193. 3 Claims. (Cl. 16—147.)

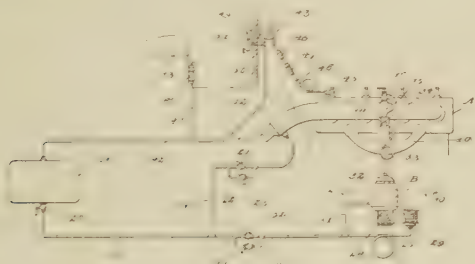
2. The combination, with a closure device, having hinge parts on opposite sides thereof capable of mating with complementary hinge parts on a casing, removable pivot-bolts to engage the respective hinge parts, separate means for actuating the pivot-bolts, and handles at opposite sides of the closure device to operate said actuat-

ing means for the engagement and disengagement of said pivot-bolts, of normally separated opposed members extended from and operable respectively by the bolt actuating mechanism at each side of the closure member



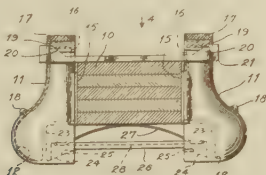
whereby, when said mechanism at one side has been actuated, the member extended from such mechanism will engage the member extended from the mechanism at the other side of the closure member and thereby prevent its operation.

1,461,243. VAPORIZING DEVICE. FRANK HOWARD, Potter, Ky. Filed Mar. 9, 1920. Serial No. 364,497. 2 Claims. (Cl. 48—102.)



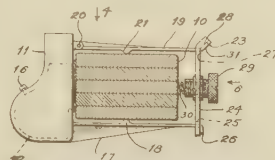
1. A vaporizer of the character described comprising a wick chamber, a float chamber arranged to one side of and communicating with the wick chamber, a float valve controlling said communication, spaced concentrically disposed heating chambers, a supply pipe communicating with both the said float chamber and the said heating chambers, a dome common to both of said heating chambers, and an outlet pipe leading from said dome.

1,461,244. SPRING OILER. EDWARD W. LEECH, JR., Baltimore, Md. Filed Mar. 29, 1922. Serial No. 547,619. 3 Claims. (Cl. 184—1.)



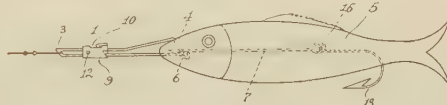
2. In a spring oiler, the combination with a leaf spring, a link bearing on the top of said spring, oiling members comprising means for oiling said spring each slidably connected at one end to said link, a locking bar slidably connected to the other ends of said members and a spring for pressing said link and members towards said leaf spring.

1,461,245. SPRING OILER. EDWARD W. LEECH, JR., Baltimore, Md. Filed Aug. 24, 1922. Serial No. 584,109. 10 Claims. (Cl. 184—1.)



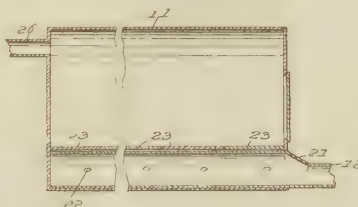
1. In a spring oiler, the combination with a leaf spring, of an oiling member mounted on one side thereof and comprising a reservoir for oil and means for distributing said oil to said spring, projections on said member extending across the top and bottom of said spring, and a clamp having sliding engagement with one projection and pressing against the other side of said spring and cooperating with said projections to press said member against said first named side and to press said projections against the top and bottom of said spring.

1,461,246. FISHING TACKLE. ALFRED H. LENT, Capitola, Calif. Filed July 15, 1922. Serial No. 575,146. 2 Claims. (Cl. 43—40.)



2. A fastening link having a loop at one end thereof, the other end of said link having an enlarged loop formed therein, a locking arm extending from said enlarged loop, a sleeve surrounding said link, said sleeve being adapted to receive the locking arm, a pin through said sleeve, said pin being adapted to move in said loop, a hook on the end of the locking arm, and said sleeve having an aperture in the bottom thereof adapted to receive said hook, and an extension adapted to be connected to the fishing hook and said fastening link.

1,461,247. ORCHARD HEATER. GEORGE LINGENFELTER, Sandy, Oreg. Filed Dec. 17, 1920. Serial No. 431,385. 2 Claims. (Cl. 126—59.5.)

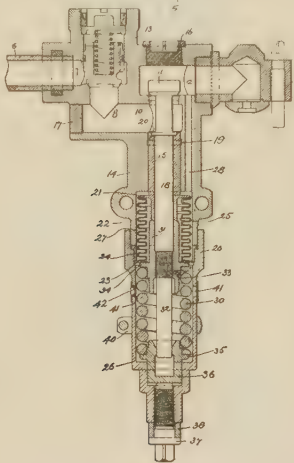


1. An orchard heating apparatus having a horizontal furnace provided at one end and near the top with an outlet, a blast pipe extending longitudinally through the furnace near the bottom thereof, arched plates spanning the enclosed portion of the blast pipe and having lateral distributing openings, and means for supplying a blast to said pipe.

1,461,248. REDUCING VALVE. JAMES W. MCCONNELL, Washington, D. C., assignor to Government of the United States. Filed May 23, 1918. Serial No. 236,241. 1 Claim. (Cl. 50—23.)

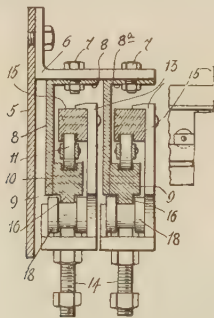
A pressure regulating apparatus comprising in combination a valve casing of air tight construction having high and low pressure chambers, a valve in said casing exposed to high and low pressure on its opposite sides, slidable means in said casing and connected to said valve,

a spring associated with said slidable means acting on said valve through said slidable means, a tubular convoluted diaphragm whose free end is hermetically connected to said slidable means, and the opposite end hermetically connected to said casing, said diaphragm providing the effect of a hermetic frictionless packing adapted to prevent leakage of fluid from the high pressure chamber in



said casing from around or between said slidable means into the part of the casing where said spring is confined, and a passage leading from that part of the casing external to the diaphragm to the low pressure chamber in said casing to carry off leakage and thus prevent loss of air or other fluid, the effective surface of said valve, slidable means and diaphragm being substantially equal.

1,461,249. ELEVATOR-DOOR HANGER. OSCAR P. MCGEE, Dallas, Tex. Filed June 11, 1921. Serial No. 476,793. 1 Claim. (Cl. 16—97.)

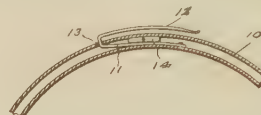


A hanger for suspending elevator doors, comprising a back or base plate, angle plates spaced apart longitudinally thereof and connected to the back plate; parallel grooved trackways spaced apart and suspended from the angle plates; a longitudinally projecting rail on the underside of said suspended trackways; hanger plates carrying doors and having plates vertically extending above the suspended trackways; a plurality of roller bearings spaced apart and disposed between said suspended trackways and said upper trackways and grooved rollers carried by the hangers and adapted to ride against said longitudinally projecting under rail.

1,461,250. BRACELET. PEARL B. MCKENZIE, Sedalia, Mo. Filed Oct. 31, 1921. Serial No. 511,722. 3 Claims. (Cl. 224—28.)

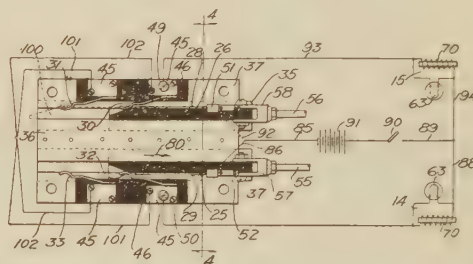
2. A bracelet attachment of the character described, comprising a member having a portion disposed within

the bracelet and a portion disposed exteriorly thereof and spaced therefrom, and means slidable within the bracelet



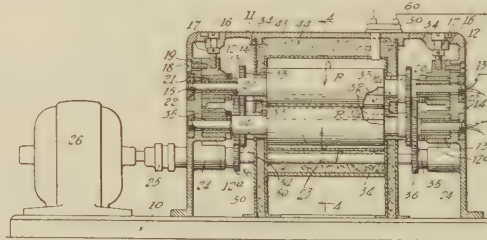
and cooperating with said member to hold the exterior portion thereof in gripping relation with the bracelet for the purpose specified.

1,461,251. AUTOMOBILE SIGNAL. PETER MCLAREN, Whittier, Calif. Filed May 23, 1921. Serial No. 471,773. 3 Claims. (Cl. 177—337.)



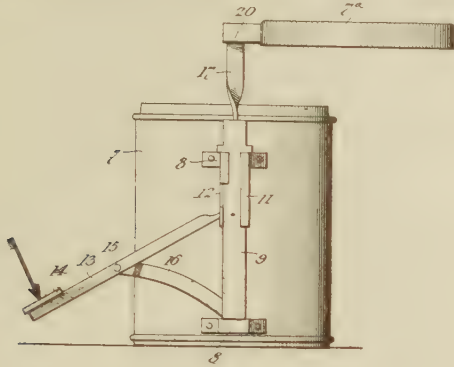
1. In a signaling device the combination of: a suitable number of electrically operated signals; levers adapted to actuate certain mechanisms; switch means associated with one of said levers to close an electric circuit including certain of said signals when said lever is partially advanced, said switch means to close a circuit including all of said signals when said lever is advanced sufficiently to actuate said mechanism associated therewith; and switch means associated with another of said levers to close a circuit including another of said signals when said secondly named lever is partially advanced, said secondly named switch means to close a circuit including all of said signals when said secondly named lever is advanced sufficiently to actuate said mechanism associated therewith.

1,461,252. BILL IRONER AND STERILIZER. EDWARD H. MOYLE, Los Angeles, Calif., assignor of one-half to Oscar M. Souden, Los Angeles, Calif. Filed Aug. 12, 1920. Serial No. 402,963. 8 Claims. (Cl. 92—71.)



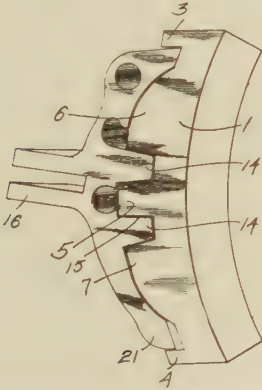
1. In combination, a frame, two parallel pairs of parallel rolls revolvably mounted on the frame, the rolls of each pair being adjustable toward peripheral contact with each other along longitudinal lines of contact, the planes of the axes of each pair of rolls being transverse to the plane determined by the two said lines of contact, one roll of each pair, being rolls located on opposite sides of the last mentioned plane, being hollow, and heating means within the hollow rolls, the peripheral walls of the rolls being of heat conducting material and the heating means being close to the peripheral walls.

- 1,461,253. GARBAGE CAN. OBADIAH N. OWEN, Phoenix, Ariz. Filed June 26, 1922. Serial No. 570,893. 3 Claims. (Cl. 220-47.)



1. A receptacle having an open top, a cover for the top, a substantially U-shaped bracket comprising an upright guide bar and offset arms having their free terminals mounted on the receptacle, a carrier vertically slidable on the upright guide bar and extending inwardly therefrom, means for moving the carrier, and a spiral stem rotatably mounted on the inwardly extending portion of the carrier and having a slidable and rotatable bearing in the upper offset arm of the bracket, said stem having the cover affixed thereto.

- 1,461,254. RAILWAY BRAKE. ORLANDO ROYSTER, Spokane, Wash. Filed Oct. 18, 1921. Serial No. 508,522. 1 Claim. (Cl. 188-242.)

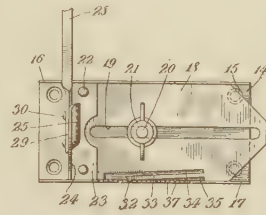


The combination with a brake-head having a pair of spaced intermediate lugs extending the full width thereof, of a brake shoe having a central lug and lugs spaced therefrom forming open end transverse grooves for the head-lugs and key openings in said lugs, transversely arranged bridge members of more durable metal embedded in the metal and closing the openings in certain of the lugs of the shoe, a locking key for the complementary lugs, and longitudinally extending reinforcing members embedded in the shoe.

- 1,461,255. CURTAIN AND SHADE POLE FIXTURE. CHARLES SCHMIDT, Clifton, N. J. Filed Sept. 11, 1922. Serial No. 587,273. 2 Claims. (Cl. 156-24.)

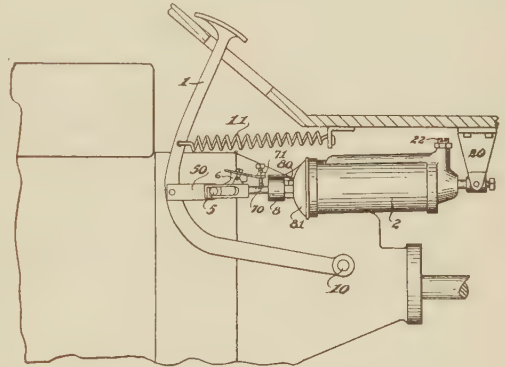
1. A shade hanger bracket comprising a plate having out turned flanges on its upper and lower edges, a slide operable between said flanges, said slide having a longitudinal slot closed at each end the outer end of said slide being bevelled outwardly to accommodate the slot, a bolt fixed centrally in said base plate passing through the slot, a thumb nut engaging said bolt on the outer

side of said slide, an angular bracket fixed on the inner end of said slide, said bracket being adapted to engage a shade roller pintle, an open looped support secured



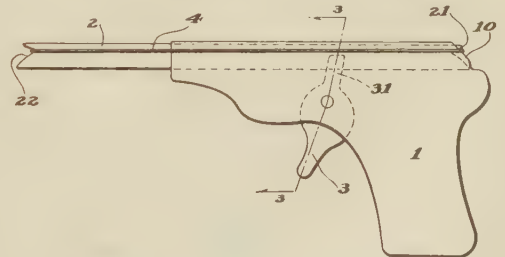
to said bracket to receive one end of a curtain pole, and an integral spring arm formed on said slide to make resilient contact with one of said out-turned flanges.

- 1,461,256. CLUTCH-OPERATING DEVICE. ARTHUR B. THOMPSON, Seattle, Wash. Filed Nov. 22, 1919. Serial No. 340,042. 9 Claims. (Cl. 188-97.)



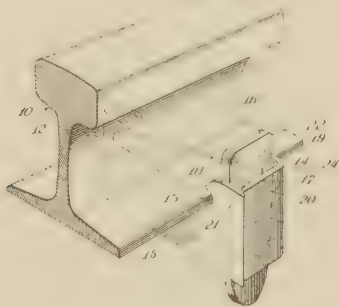
1. The combination with a clutch operating means, of a dashpot adapted to be connected with a transmission member of the said means, and means for disconnecting the dashpot at a definite point in the travel of the clutch members.

- 1,461,257. TOY GUN. ARTHUR B. THOMPSON, Missoula, Mont. Filed Feb. 7, 1923. Serial No. 617,562. 2 Claims. (Cl. 124-14.)



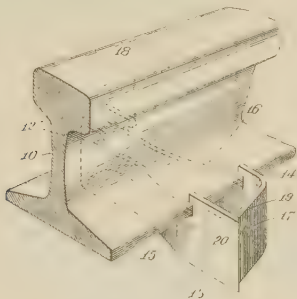
1. In a toy gun, in combination, a frame and a barrel movable therein, said barrel having a hook opening forwardly at its muzzle end for holding an end of a rubber band, and having a catch at its breech end for engaging the opposite end of the rubber band, and said frame having a band-releasing surface cooperable with said catch to hold this end of the rubber band, and means for moving said barrel at will to withdraw said catch to permit release of the band.

1,461,258. RAIL ANCHOR. ROLANDIS A. BLAIR, Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 8, 1920. Serial No. 408,799. 39 Claims. (Cl. 238—330.)



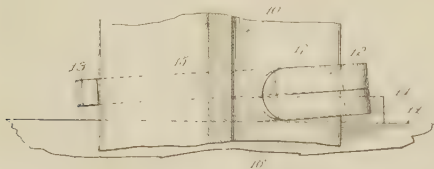
34. A rail anchor provided at one end with means for engaging the rail base at one side thereof and at the other with jaws for engaging the other side of the rail base at two points, said jaws being adapted to be forced apart by straining the anchor to produce a grip of the anchor on the rail.

1,461,259. RAIL ANCHOR. ROLANDIS A. BLAIR, Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Original application filed Sept. 8, 1920, Serial No. 408,799. Divided and this application filed Mar. 17, 1922. Serial No. 544,493. 24 Claims. (Cl. 238—330.)



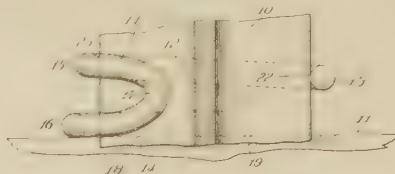
23. A resilient rail anchor comprising bars to extend under the base of a rail from edge to edge thereof, and members intervening between said bars at opposite ends of the anchor, said anchor provided at opposite ends with pairs of rail engaging jaws normally a shorter distance apart than the width of the rail and the anchor being formed so as to be capable of elongation in application to the rail.

1,461,260. RAIL ANCHOR. ROLANDIS A. BLAIR, Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed June 5, 1922. Serial No. 565,821. 25 Claims. (Cl. 238—330.)



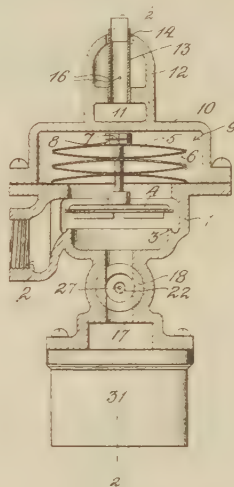
20. A rail anchor formed from a bar bent upon itself to provide two legs, one of which is formed to engage one edge of a rail base and the other formed to provide a spring member adapted to bear against the under surface of said rail base.

1,461,261. RAIL ANCHOR. ROLANDIS A. BLAIR, Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed June 5, 1922. Serial No. 565,822. 17 Claims. (Cl. 238—330.)



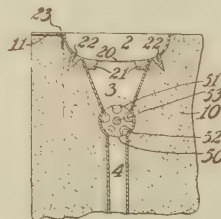
1. A one-piece rail anchor formed with means for engaging opposite edges of the base of a rail, and with a portion adapted to bear against a cross-tie; said tie-abutting portion being bent to provide a spring, the extremity of which bears against the under surface of the rail base.

1,461,262. AUTOMATIC FLUID CONTROL. JULIUS BROMBACHER, Los Angeles, Calif. Filed Mar. 30, 1922. Serial No. 547,974. 5 Claims. (Cl. 67—116.)



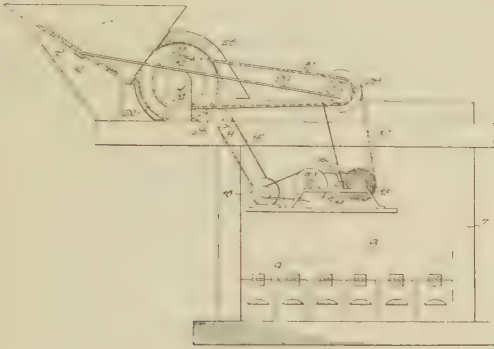
1. A fluid control comprising a housing having an inlet and an outlet, a valve within said chamber having a stem, a plurality of plates within said housing, said valve stem extending through said plates, a heating chamber on said housing thermally to influence said plates to cause same to lift and hold said valve lifted, and a pilot light tube to heat said heating chamber.

1,461,263. SOAP-DISH ATTACHMENT FOR LAUNDRY TRAYS. EMIL R. BUHTZ, Seattle, Wash. Filed Sept. 19, 1921. Serial No. 501,539. 4 Claims. (Cl. 68—31.)



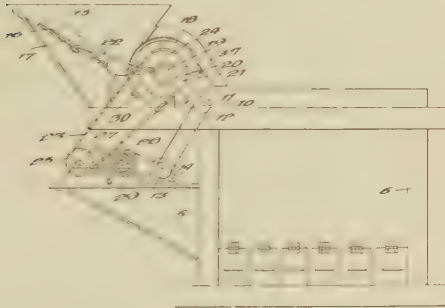
1. A soap holder for molded laundry trays comprising a metal dish having exteriorly projecting anchoring lugs positioned in a centrally disposed transverse band and adapted to be anchored in a wall of the tub during the molding thereof.

1,461,264. NUT GRADER. WILLIAM P. BULLARD, Albany, Ga. Filed Feb. 27, 1922. Serial No. 539,530. 5 Claims. (Cl. 146—3.)



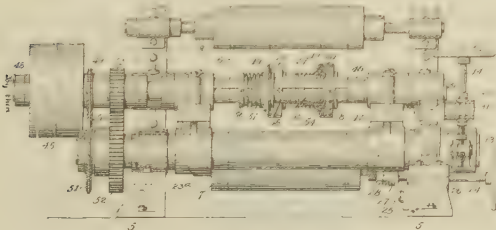
1. In nut feeding means, a hopper having a side wall with openings therein and an opposite movable wall, means moving adjacent said openings and carrying nuts therefrom to points outside the hopper, and means for simultaneously operating said nut-carrying means and the movable wall.

1,461,265. NUT GRADER. WILLIAM P. BULLARD, Albany, Ga. Filed May 2, 1923. Serial No. 636,225. 3 Claims. (Cl. 130—32.)



1. In nut feeding means, a hopper having a wall member with openings therein, and a rotary member having nut-carrying projecting fingers that pass through the openings, said wall and finger members having projections and recesses through which the projections pass during the rotation of the member.

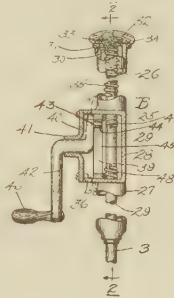
1,461,266. SLITTING MEANS. JAMES A. CAMERON and GUSTAF BIRGER BIRCH, Brooklyn, N. Y., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed June 9, 1920, Serial No. 387,620. Renewed Dec. 9, 1922. Serial No. 490,727. 12 Claims. (Cl. 164—65.)



1. Slitting means comprising a plurality of sets of rotatable overlapping shearing members arranged in two opposed groups, the members of each set engaging

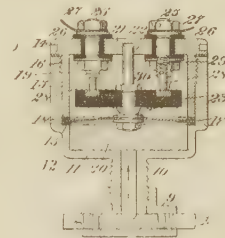
laterally with each other, means for positively driving both members of each set, means for moving the members of one group laterally and in unison with respect to the other group, and means for moving the members of the same group edgewise and in unison to separate the members of opposed groups.

1,461,267. VALVE GRINDER. JOHN M. COBURN and JOHN M. MCCRARY, Long Beach, Calif. Filed Nov. 14, 1921. Serial No. 515,061. 2 Claims. (Cl. 51—29.)



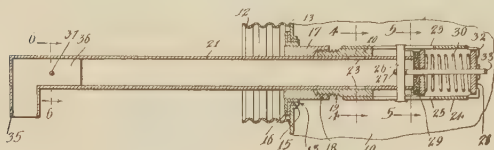
1. In a valve grinder, the combination; of a housing formed with a longitudinal bore, a spindle adjustably carried by the housing within said bore; said spindle being provided with a bifurcated extremity, a rotatable valve engaging shoe carried by the spindle in the bifurcations; and means for giving said spindle rotary reciprocation; said means including a spring adapted to rotate the spindle in one direction, and a strap adapted to be coiled about the spindle to rotate the spindle in the opposite direction; there being a Scotch yoke to which the strap is connected at one end, and means for guiding and reciprocating said yoke.

1,461,268. AUTOMATIC CONTROLLER FOR MOTORS. JAMES CORYDON DE LANEY and FRANK L. DE LANEY, Porterville, Calif. Filed Mar. 14, 1921. Serial No. 452,112. 1 Claim. (Cl. 200—83.)



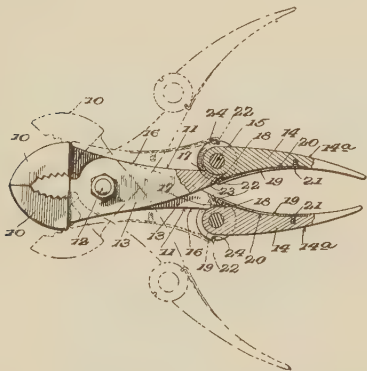
A circuit controlling device comprising a casing formed with a hollow body provided with an annular flange near the base of its inner wall, a flanged cover provided with a skirt for threaded reception within the body and for co-operation at its lower end with said annular flange, a flexible diaphragm disposed transversely of the body and supported by said flange for dividing the body into two chambers, a pair of inwardly pressed spring held contact points carried by said cover above said diaphragm, a post extended upwardly from the center of said diaphragm, said cover provided with a guide opening within which the end of said post reciprocates, a support extended laterally on each side of said post, a contact ring carried by said support, a connection between the lower chamber and a source of fluid supply under pressure, and a packing ring in contact with opposing faces of the disk at its periphery to afford the maximum flexibility thereto for its operation.

1,461,269. DISCHARGE SPOUT FOR LIQUID CONTAINERS. SIGMUND FREY, Los Angeles, Calif. Filed Sept. 19, 1921. Serial No. 501,713. 12 Claims. (Cl. 221-27.)



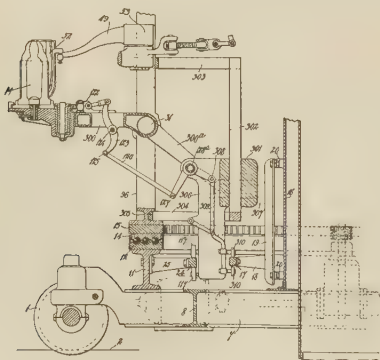
5. The combination with a liquid container, of a bushing in the wall of the container, a tube slidable in the bushing and having a port, a sleeve surrounding the tube, a valve to close one end of the tube, means yieldingly holding the sleeve in position to close the port and yieldingly holding the valve in closed position, and means connected with the sleeve and engaging the valve to open it when the sleeve is moved toward the valve.

1,461,270. TOOL. FRANK GARRISON, Jerome, Idaho. Filed Apr. 5, 1922. Serial No. 549,925. 4 Claims. (Cl. 294-43.)



1. A tool having jaws and pivotally connected handle members carrying said jaws, each handle being made up of a pair of pivotally connected sections, one of the sections having a concaved face against which the other section is adapted to be snugly fitted in the folded position.

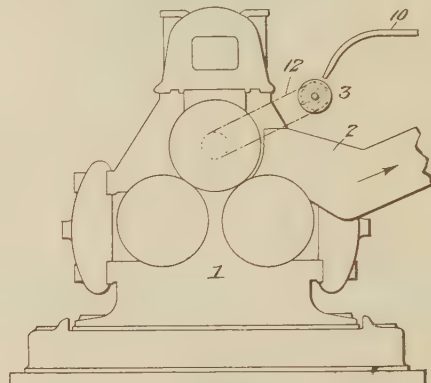
1,461,271. MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES. ROBERT FREDERICK HALL, Moseley, near Birmingham, England. Filed July 27, 1920. Serial No. 399,433. 10 Claims. (Cl. 49-41.)



1. A finishing mold mechanism for machines for forming glass articles comprising a supporting member, a swinging mold carrying frame pivotally supported between its ends on the supporting member, a finishing

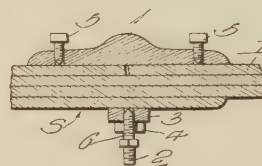
mold on the swinging frame member at one side of the pivot, and means connected to the frame member at the other side of the pivot for swinging the frame member.

1,461,272. MACERATION DISTRIBUTOR FOR SUGAR-CANE MILLS. WILLIAM GARVIE HALL, Honolulu, Territory of Hawaii. Filed Feb. 13, 1923. Serial No. 618,814. 4 Claims. (Cl. 100-47.)



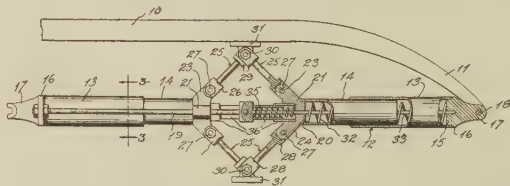
1. A maceration distributor for sugar cane mills, comprising a rotary cylinder having on its surface a series of longitudinal troughs, and means for supplying the maceration material to said troughs.

1,461,273. REPAIR DEVICE FOR AUTOMOBILE SPRINGS. PETER THEODORE JASMIN, Helena, Mont., assignor of one-half to Philip Henry Huber, Helena, Mont. Filed Aug. 7, 1922. Serial No. 580,208. 1 Claim. (Cl. 267-51.)



A repair device for vehicle leaf springs comprising a flat clamping plate to span the break and to contact the upper face of the master-leaf from one of its ends to the other, said plate being provided on its longitudinal edges intermediate its ends with opposed depending integral arms having screw-threaded portions, said arms being adapted to extend crosswise of the longitudinal edges of the spring leaves, a cross-plate to extend transversely across the lowermost leaf, said last named plate being formed at its opposite ends with holes through which said arms extend, nuts on the threaded portions of said arms, said first named plate being provided at its end with screw-threaded openings, and retainer screws threaded through the openings, the inner ends of said screws being pointed to securely grip the master-leaf to prevent slippage of the device thereon.

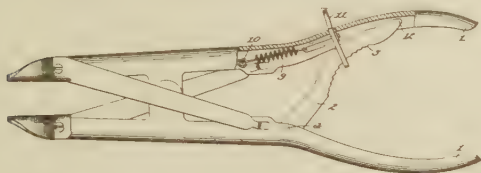
1,461,274. AUTOMOBILE SPRING. FRANK G. KRANKAN, Pittsburgh, Pa. Filed June 15, 1921. Serial No. 477,617. 7 Claims. (Cl. 267-20.)



1. A vehicle spring comprising guide rods fixed at their ends to a vehicle frame, springs extending longitudinally

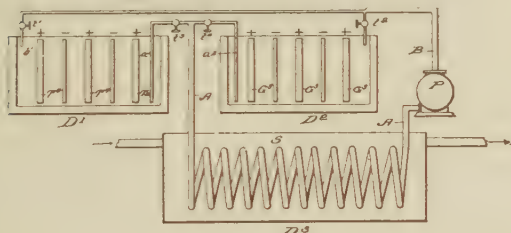
with relation to the guide rods, and a link mechanism slidable on said guide rods between adjacent ends of the springs, said link mechanism intervening between the frame and the axle of the vehicle.

- 1,461,275. VALVE-SPRING-LIFTER LOCK. HARRY W. KULP and MARTIN C. DELLINGER, Lancaster, Pa. Filed Mar. 9, 1921. Serial No. 450,902. 13 Claims. (Cl. 29—86.3.)



1. In combination in a valve spring lifter, a pair of movably mounted handles, a bar movably mounted in one of said handles and at all times lying entirely between said handles, and a locking plate extending through the other handle and operatively engaging said bar.

- 1,461,276. APPARATUS FOR THE ELECTROLYTIC PRODUCTION OF METALLIC ALLOYS IN THE FORM OF PASTE OR SLUDGE. BENJAMIN LEECH, Macclesfield, England, assignor of one-half to Henry & Leigh Slater, Limited, Manchester, England. Filed Mar. 16, 1920. Serial No. 366,327. 8 Claims. (Cl. 204—5.)



1. In an apparatus for the electrolytic preparation of metal or alloys in the form of paste or sludge, a vat containing electrolyte, and anodes located in said vat and formed partly of an active material and partly of a material which resists or withstands the conditions of electro-chemical action and does not disintegrate or pass into solution, said active material and the resistant material being immersed in and contacting with said electrolyte.

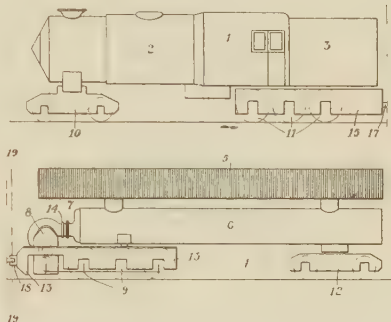
- 1,461,277. SASH RAISING AND LOWERING DEVICE. NICHOLAS C. LEIDGEN, Detroit, Mich. Filed Aug. 10, 1922. Serial No. 580,894. 8 Claims. (Cl. 268—4.)



1. Means for raising and lowering a sash comprising a support, a rotary shaft carried by said support and

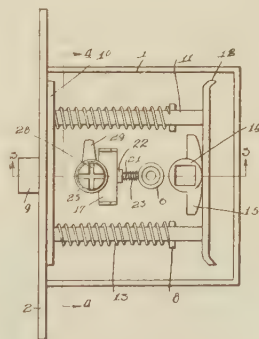
adapted to have rotation normally imparted thereto, a reciprocable member on said shaft, a stationary nut carried by said support and engaging said reciprocable member to cause it to reciprocate during rotation of said shaft, and a traveler nut engaging said reciprocable member and adapted to raise or lower the sash, said traveler nut being guided adjacent said support.

- 1,461,278. TURBINE-DRIVEN LOCOMOTIVE. FREDRIK LJUNGSTRÖM, Lidingö-Brevik, Sweden, assignor to Aktiebolaget Ljungström Angturbin, a Corporation, Stockholm, Sweden. Filed May 2, 1922. Serial No. 557,861. 5 Claims. (Cl. 105—38.)



1. In a turbine driven locomotive including two carriages, wheels supporting said carriages and a coupling, an arrangement characterized by at least one pair of the fore wheels of the rear carriage being brought together as driving wheels in a bogie connected by means of a coupling with the carriage running before it which thus serves as guiding carriage for the bogie of the rear carriage.

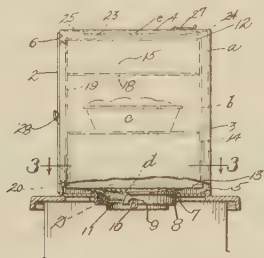
- 1,461,279. LOCK. ELLIS E. LONGFELLOW, El Reno, Okla.; Margaret R. Longfellow executrix of said Ellis E. Longfellow, deceased. Filed Nov. 8, 1920, Serial No. 422,550. Renewed Dec. 1, 1922. 1 Claim. (Cl. 70—29.)



A door lock including a casing having a face plate provided with a central bolt opening, a bolt arranged therein, a plate secured to the inner face of the bolt and disposed in the casing, rods connected with the plate, a second plate connected to the ends of the rods, notched lugs in the casing receiving the rods, springs on the rods contacting with the lugs on the front plate, a spindle sleeve in the casing having lugs thereon in engagement with the rear plate, a key barrel having right angular key ways therethrough and having spaced annular flanges providing ways and openings between the ways, a lug projecting from the outer face of the barrel, a substantially U-shaped guide removably secured in the casing having its parallel members provided with arcuate

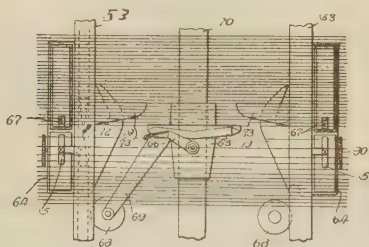
depressions which are received in the ways, a spring influenced pin passing through the guides and designed to enter one of the apertures of the barrel and to be retracted when the key is inserted in the key way of the barrel to permit of the turning of the barrel to bring the lug thereof in the path of contact with the front plate of the bolt, and the said spring influenced pin designed to enter another aperture in the barrel when said barrel is in such position.

1,461,280. OVEN. CLEAVIE MCBRIDE, Los Angeles, Calif. Filed Jan. 23, 1922. Serial No. 531,184. 2 Claims. (Cl. 126—275.)



1. An oven, including an outer and an inner casing held in spaced relation from each other, and a door member carrying a spaced plate member adapted to close the outer and the inner casings, said door member and plate forming a heat circulating space therebetween; the bottom wall of said outer casing being formed with an opening therein and there being an annular member extending through said opening; said annular member being adapted to be placed over a burner of a stove to confine the flame therein; there being a baffle plate member carried by the bottom wall of the inner casing and extending partly within the annular member, and there also being a flue member carried by the top wall of the outer casing for conducting the gases of combustion from the space between the outer and the inner casings; said flue member comprising a U-shaped member closed at one end, and the top member of the outer casing being provided with an opening in communication with said flue member.

1,461,281. MECHANICAL THREAD PASTING APPARATUS. FRANTZ ADOLF MARTENS, Copenhagen, Denmark, assignor to Martens' Patent "Twisting-In" Machine Co. Ltd., Copenhagen, Denmark, a Corporation of Denmark. Filed Sept. 18, 1920. Serial No. 411,280. 7 Claims. (Cl. 28—47.)



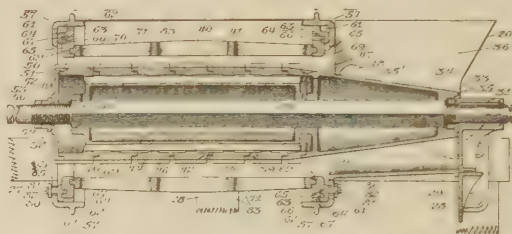
1. In a warp uniting machine having means for supporting two warps stretched mutually crosswise in the machine; a disc adapted to reciprocate parallel to the warps; a pasting device comprising means for supplying an adhesive to the thread of the warps; a heating member; and an air supplying device for blowing air upon the adhesive on the threads resting on the heating member.

1,461,282. SADDLE. CLAUDE BROOKINS MILLS, High River, Alberta, Canada. Filed July 15, 1922. Serial No. 575,253. 1 Claim. (Cl. 54—44.)



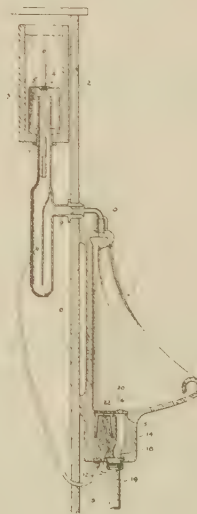
The combination with a saddle having a tree of a stirrup leather frame comprising transverse bars adj-justably mounted on the tree, and longitudinal bars converging toward their forward ends rigidly mounted on said transverse bars, substantially as described.

1,461,283. CORN SHELLER. ROBERT M. MITCHELL, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Mar. 3, 1919. Serial No. 280,432. 11 Claims. (Cl. 130—6.)



1. Shelling mechanism for corn shellers comprising in combination, a cylinder, a shelling cage enclosing said cylinder and including a plurality of adjustable staves, stave sectors engaging said staves, and cam mechanism engaging said stave sectors.

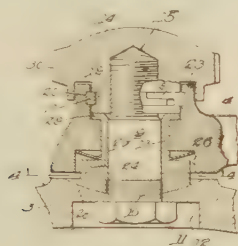
1,461,284. DEVICE FOR FLUSHING TOILET FIXTURES. DUDLEY NEWTON, San Francisco, Calif., assignor of one-half to William A. Goericke. Filed June 14, 1921. Serial No. 477,437. 5 Claims. (Cl. 4—12.)



1. The combination with a flushing tank, of an air container therein having its top closed and its bottom open and in communication with said tank, a discharge pipe having its intake end within and spaced upwardly

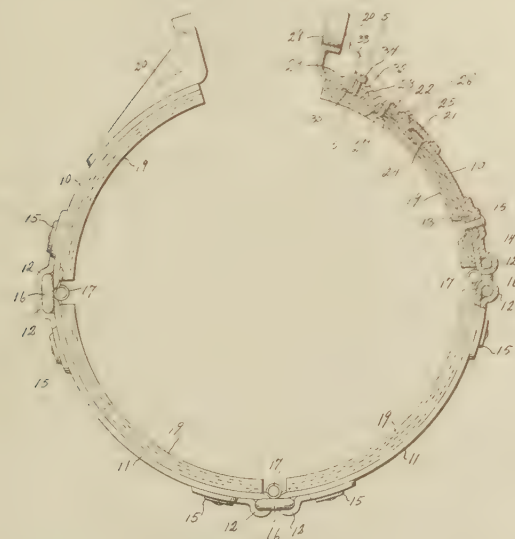
from the open end of said container, a trap to which said pipe leads, a bowl, a flushing pipe leading from the trap to the bowl, said bowl having a discharge opening, a chamber the upper end of which is open and in registration with the opening, a drain passage in said bowl in communication with said opening, a cover mounted in said chamber and having its upper end closed and its lower end in communication with said chamber, a conduit leading from a point within the cover to said drain passage and a pipe in communication with said air container arranged to discharge into the cover above the lower end thereof and formed as a trap intermediate of its ends.

- 1,461,285. QUICK-DETACHABLE SEARCHLIGHT MOUNTING. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 21, 1922. Serial No. 569,812. 10 Claims. (Cl. 240—7.)



1. In combination with a lamp body and a supporting bracket therefor, a stud associated with the lamp body and a captive nut carried rotatively on the bracket, together with a spacer sleeve rotatively mounted in said bracket in axial alignment with the bore of the nut, said nut being threaded to fit the stud, and the sleeve being formed to fit said stud whereby the sleeve may be fixedly associated with the lamp body while rotatively engaged in the bracket when the parts are assembled.

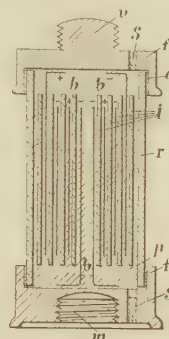
- 1,461,286. TRANSMISSION BAND. ANTHONY P. PFEFFER, Detroit, Mich. Filed June 10, 1922. Serial No. 567,237. 6 Claims. (Cl. 188—249.)



4. A transmission band comprising intermediate and end sections, adjacent ends of the intermediate sections and the ends thereof coacting with the adjacent ends of

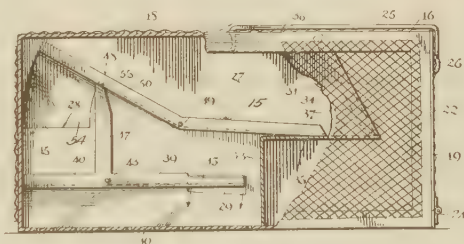
the end sections having the end portions thereof bent back to provide pivot receiving loops, said sections being provided adjacent such loops with offsets forming shoulders, and sockets formed upon the end portions receiving said shoulders.

- 1,461,287. HIGH-TENSION CONDENSER. EMIL PEIFFNER, Frybourg, Switzerland. Filed Jan. 10, 1922. Serial No. 528,132. 3 Claims. (Cl. 250—41.)



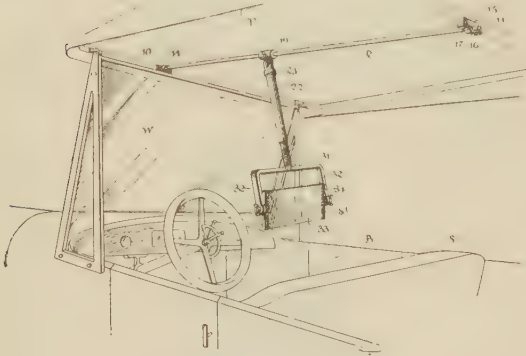
1. A high tension condenser consisting of a plurality of partial condensers connected in series to form a chain insulator, each partial condenser consisting of a hollow tubular supporting insulator, conducting mounts carried by the ends of the insulator and constituting closures therefor, and metal coatings and insulating layers arranged in and completely enclosed by the tubular insulator and conducting mounts.

- 1,461,288. ANIMAL TRAP. JOHN W. PRIMROSE, Clarksdale, Miss. Filed June 29, 1921. Serial No. 481,268. 5 Claims. (Cl. 43—76.)



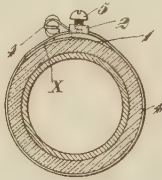
1. In an animal trap, a cage comprising a frame having a reticulated covering, a metallic bottom and a non-metallic flooring, said cage being provided with an entrance opening in one side and extending partly across the same, a door closure for the back of the cage, means for holding said door in a closed position, a covered runway dividing the cage to one side of the door opening, a trap door controlling the exit thereof, said runway dividing the cage into an entrance compartment and a retaining compartment, a trigger for holding the door open, and a tripping device cooperating with the trigger to disengage the latter whereby the door will close, said trigger comprising a pivoted runway connected to the door, a portion connected to the trip and having a lug engaging the pivoted portion to hold the same in position with the door open and adapted to release the same to permit the door to close, said runway having spaced walls, one of said walls covering the vertical area of the cage, a partition forming a part of said runway, and having an opening therein leading from the entrance compartment to the retaining compartment, and a door member having a covering portion co-operating with said opening.

1,461,289. EYESHIELD ATTACHMENT FOR MOTOR VEHICLES. JOHN WILLIAM PRIMROSE, Clarksdale, Miss. Filed Oct. 21, 1922. Serial No. 595,955. 8 Claims. (Cl. 296—97.)



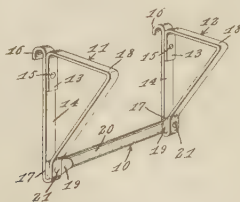
1. In combination with a motor vehicle having a top, a rod supported by said top longitudinally thereof, and means depending from said rod adapted to support a windshield forward of the driver's seat of the motor vehicle.

1,461,290. HOSE CLAMP. LUCIEN MARCEL QUÉMARD, Royan, France. Filed Apr. 21, 1921. Serial No. 463,289. 2 Claims. (Cl. 24—19.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



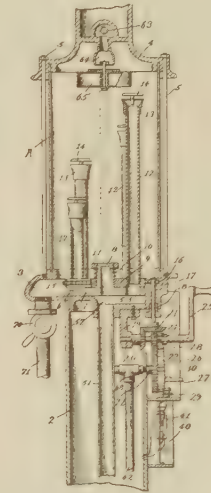
2. In a collar for crimping rubber hose on metal pipes, a base plate bent to lie against the circumference of the rubber hose, an arched loop on said base plate, a band, a fold on the one end of the band to attach the same to the said base plate, a passage in the said loop for the other end of the band, a split pin to tighten the band on the base plate, and a screw in the loop for locking the band against the base plate after tightening.

1,461,291. SILO LADDER. FRANCIS M. REINHART, Rudolph, Wis. Filed Aug. 2, 1922. Serial No. 579,153. 1 Claim. (Cl. 20—1.4.)



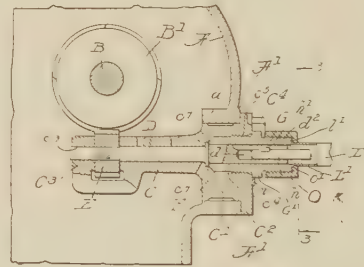
A ladder section of the class described comprising two substantially triangular supporting members each formed of heavy strap metal with an outturned support engaging hook at one corner, and the adjacent members at another corner arranged parallel and spaced laterally to form sockets with a cross rod having flattened ends fitting and rigidly secured in said sockets.

1,461,292. LIQUID MEASURING AND DISPENSING APPARATUS. EDWARD A. RIX, San Francisco, Calif. Filed July 28, 1920. Serial No. 399,499. 11 Claims. (Cl. 221—100.)



1. In an apparatus of the character described a container having a measuring chamber formed therein, means for delivering liquid thereto, a series of pipes, each terminating at a different level within the chamber, and means for bringing any pipe into communication with the liquid delivering means.

1,461,293. TRANSMISSION DRIVE FOR SPEEDOMETERS. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 14, 1922. Serial No. 581,690. 6 Claims. (Cl. 74—7.)

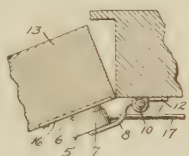


1. In combination with a transmission casing and a power shaft therein having a gear for delivery of power from said shaft, the casing having an apertured boss through which a tangent to the pitch line of said gear may extend parallel to the circumscribing wall of the aperture, a tubular member exteriorly diametred over part of its length to fit said aperture, and flanged at the outer limit of said part for seating of said flange against the wall of the casing at the outer end of the boss, and having at each end a shaft bearing, the bearing at the inner end being spaced longitudinally from the remainder of the tubular member; a shaft journaled in both said bearings extending across said space and a gear on said shaft located in said space, whereby the gear stops the shaft longitudinally in said tubular member.

1,461,294. BURGLAR ALARM. ALFRED B. SIMPSON, North Vernon, Ind. Filed Feb. 4, 1922. Serial No. 534,159. 1 Claim. (Cl. 200—54.)

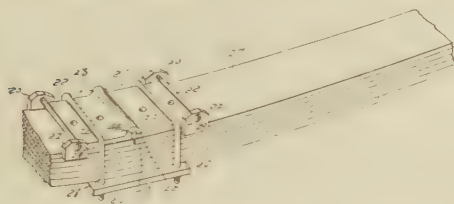
In combination with a hinged closure, a signaling device comprising a hinged member including staples, a pin

extending through the staples, said hinge member including spring arms having portions thereof coiled around the pin of said spring arms having a portion thereof contacting with the member on which the hinge is mounted,



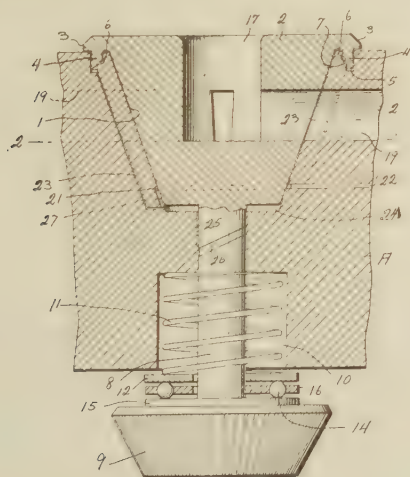
a head having connection with the outer ends of the spring arms, contact members in the head, said hinged closure adapted to engage the head to complete the circuit to the alarm.

1,461,295. SPRING-REPAIRING DEVICE. JESSE E. STEVENS, Lebanon, Ind. Filed Oct. 18, 1922. Serial No. 595,356. 3 Claims. (Cl. 267—51.)



3. In a spring repairing device, plates having interlock engagement with each other, the said plates having recesses in their edges near their outer ends, clamps fitted against the edges of the plates, means extending through the clamps and seated in the recesses for holding the clamps in operative relation to the plates, means for drawing the clamps against the edge of a spring, means for holding the plates in assembled relation to the spring, and filling blocks on the upper surface of plates.

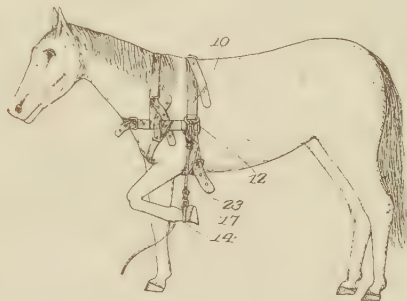
1,461,296. ROTARY VALVE. SAMUEL JAMES TRITT, Jr., Carlisle, Pa. Filed Sept. 26, 1921. Serial No. 503,283. 2 Claims. (Cl. 123—190.)



1. In combination with the cylinder head of an internal combustion engine provided with the tapered valve seat, a valve snugly fitting therein, said valve being provided with a recess in the end thereof and with ports communicating with the recess, the head having inlet and exhaust ports with which the ports of the valve are adapted to register, the end of the valve provided with

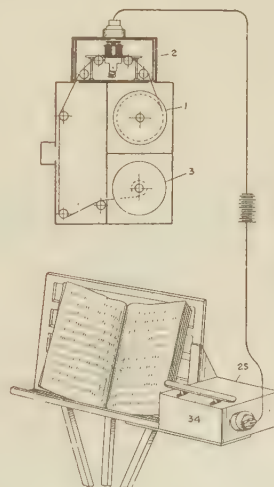
the recess having an annular flange overlying the head, said flange having an inwardly directed oil ring, the adjacent face of the head having an annular groove in which said flange extends, said valve seat adjacent to its inner end being provided with an oil groove therearound, the cylinder head being provided with an oil port communicating with the lower portion of the groove, said head being provided with an oil port leading from the groove in the head to the valve seat inwardly of the valve, said valve seat being also provided with a groove connecting the last named oil port and the first named oil groove in the valve seat.

1,461,297. HORSESHOEING DEVICE. JAMES P. TURNER, Faulkton, S. Dak. Filed May 23, 1921. Serial No. 471,649. 3 Claims. (Cl. 119—101.)



1. A device for lifting the leg of an animal comprising a tail engaging clamp, a leg engaging clamp, means connecting the clamps and manually operable to raise the animal's leg from the ground, and a releasable locking means on the leg clamp for automatically engaging and holding the raising means and operable from a distance from the animal for the safety of the operator.

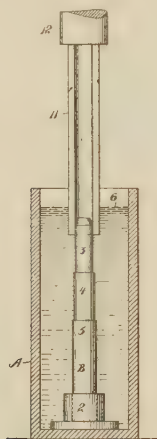
1,461,298. CINEMATOGRAPHIC APPARATUS FOR THE PERFORMANCE OF MUSICAL FILMS. CIPRIANO VISCHÉ, Genoa, Italy. Filed Apr. 4, 1921. Serial No. 458,597. 5 Claims. (Cl. 88—16.2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Improvements in cinematographic apparatus adapted to obtain in the taking of moving pictures, the synchronous contemporaneous registration with the pictures on the film, of the time of the music accompanying the taking of the pictures, including in combination, a picture taking apparatus including a film, a puncture device in

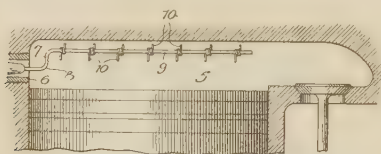
said apparatus and associated with the film, an electro-magnet associated with the puncture device, and an electric key including a switch adapted to be mounted on the music stand of the band master and arranged in circuit with the armature so that the band master during the taking of the moving pictures, by continually beating the time of the music on the key effects the closure of the circuit in the switch, which action, through the electro-magnet operates the puncture device in the picture taking apparatus so that at every time beating there corresponds a hole in the running negative film.

1,461,299. METHOD OF SHAPING PYROXYLIN, CELLULOID, AND LIKE MATERIALS. CHARLES E. WEHN, Alameda, Calif., assignor to Listo Pencil Corporation, Alameda, Calif., a Corporation of California. Filed Mar. 4, 1922. Serial No. 541,069. 5 Claims. (Cl. 18—51.)



1. A method of changing the interior diameter of pyroxylin tubes, which consists in submerging a mandrel shaped die in a body of hot water and then forcing the pyroxylin tube over said mandrel while the mandrel is maintained in a submerged condition in the heated water to progressively heat and soften the tube and simultaneously change the shape of the same.

1,461,300. SPARK PLUG. GEORGE WINCHESTER, Roselle, and FRANK A. HOWARD, Elizabeth, N. J., assignors to Standard Development Company, a Corporation of Delaware. Filed May 16, 1921. Serial No. 469,957. 2 Claims. (Cl. 123—169.)

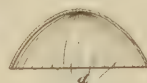


1. In combination, an internal combustion engine, a spark plug secured thereto, an electrode forming part of said spark plug and projecting into the combustion chamber of the engine substantially through the clearance volume thereof and a plurality of spaced spark points secured to said electrode, said points approaching to a short distance from a wall of the combustion chamber to form spark gaps acting in parallel between the said points and the wall.

1,461,301. PROCESS OF PRODUCING REFLECTORS. MAX WISKOTT, Breslau, Germany. Filed Aug. 30, 1921. Serial No. 497,042. 4 Claims. (Cl. 18—47.5.)

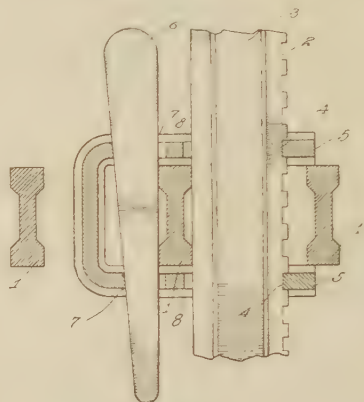
1. The process of producing a curved reflector of any desired shape which consists in using a form of comple-

mentary shape and molding the reflector thereon of plastic or moldable substance, then removing the reflector



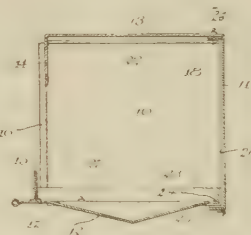
when it has sufficiently set or hardened and then coating the surface of the reflector with a metallic reflecting material.

1,461,302. CLAMP FOR CULTIVATOR TOOLS. WILLIAM L. BEALL, Chattanooga, Tenn., assignor to International Harvester Company, a Corporation of New Jersey. Filed Feb. 18, 1920. Serial No. 359,088. 3 Claims. (Cl. 55—94.)



1. The combination with a notched shank of a cultivator tool, of a U-shaped clamp of the class described, said clamp having arms of non-uniform cross section whereby reduced portions thereof may engage notches in said shank, a supporting bar for said shank and clamp, and wedging means for drawing the clamp arms into notches in the shank and binding the shank against the supporting bar.

1,461,303. POULTRY NEST. JOSEPH L. BOISVERT, Bourbonnais, Ill. Filed Jan. 8, 1923. Serial No. 611,520. 1 Claim. (Cl. 119—45.)

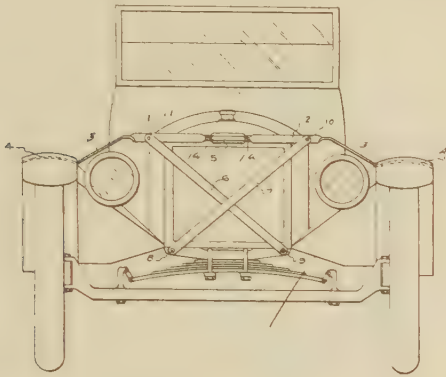


A poultry nest comprising a box-like structure having an entrance, and composed of side walls having inturned top, bottom and rear flanges, a rear wall having inturned top, bottom and side flanges, the top and bottom flanges of the side and rear walls lapping, fasteners seating removably in said lapping flanges, a bottom seating removably on the bottom flanges of the side walls and secured by the bottom ones of the aforesaid fasteners, and a removable top.

1,461,304. ADJUSTABLE FENDER BRACE. FRED L. BRONSON, Wichita Falls, Tex. Filed Oct. 3, 1922. Serial No. 592,181. 1 Claim. (Cl. 280—152.)

A brace for the wheel fenders of a motor vehicle, comprising a sectional main bar arranged in front of and extending transversely of the radiator and having

its outer ends attached to the fenders, means by which the sections of the main bar may be adjusted inwardly in an endwise direction with respect to each other, and stay bars pivoted respectively at their upper ends to the



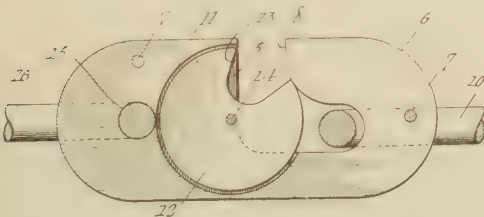
respective sections of the main bar and pivoted at their lower ends to a convenient portion of the vehicle adjacent the lower end of the radiator and adapted to raise the main bar when its sections are adjusted inwardly with respect to each other.

- 1,461,305. ARTIFICIAL TEETH. JOHN BROOKES and ALBERT EDWARD TOLLEY, Halesowen, England. Filed Aug. 28, 1922. Serial No. 584,702. 3 Claims. (Cl. 32—4.)



1. An artificial denture comprising a complete row of artificial teeth formed integrally and including molars, bicusps and incisors, the upper part of said row having a plurality of small openings therein, a nonmetallic plate moulded to fit the mouth, and projections on said plate entering said openings so as to unite the plate to the row of teeth.

- 1,461,306. AUTO CHAIN COUPLER. HENRY CAMPBELL, Liberal, Kans. Filed Dec. 15, 1921. Serial No. 522,606. 1 Claim. (Cl. 24—232.)



A connecting link comprising side plates, a central plate conforming to the contour of the side plates and positioned between the side plates, said plates having cut out portions extending from one of the respective edges thereof towards the central portions of the plates and having right angled portions, one of the walls of the right angled portions extending in parallel relation with one of the edges of the plates, the central plate having a curved cut out portion merging with the first mentioned cut out portions, a movable element posi-

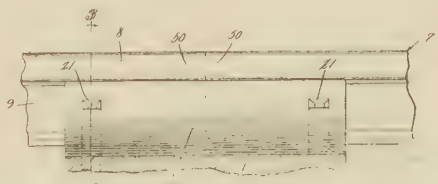
tioned in the curved cut out portion and pivotally supported therein, said movable element having a cut out portion extending from one edge to align with the cut out portion of the plates and receive a link member, said movable member adapted to deliver a link to the cut out portion of the plates, and said movable member adapted to close the cut out portions to lock the link therein.

- 1,461,307. HAY DERRICK. CHARLES A. CHAPMAN, Grinnell, Iowa. Filed Mar. 30, 1922. Serial No. 548,110. 1 Claim. (Cl. 212—59.)



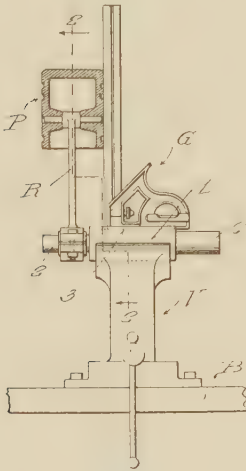
A derrick comprising a sill adapted to serve as a runner, a mast rotatably mounted on said sill, a pair of braces connected with the mast to permit rotation thereof and inclined from the mast downwardly and laterally to the sill and connected therewith, a third brace pivotally mounted on the mast to permit rotation thereof and inclined downwardly and away from the mast substantially midway between the first two sills, whereby said third brace may be swung pivotally in a vertical plane to a variety of positions and may be used for swinging the mast on the sills as an axis, and a hoisting mechanism supported on said mast above said braces, a detachable brace, and means for fixing said brace to said mast and said third brace.

- 1,461,308. ANCHOR PLATE. EUGEN CLARK and WILLIAM HARRISON CLARK, Juliette, Ga. Filed July 26, 1922. Serial No. 577,681. 1 Claim. (Cl. 238—198.)



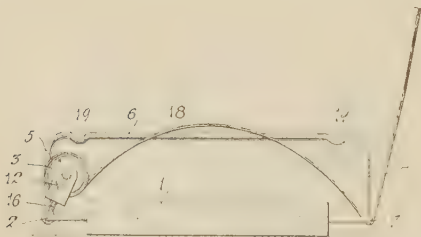
In a device of the class described, a base plate provided with first and second overhanging flanges, the second flange being of less height than the first flange, and having an upstanding longitudinal rib; a rail including a flange extended beneath both flanges of the base plate, a web located between the flanges of the base plate and in contact with the inner edges of the first and second flanges of the base plate, and a ball engaged by the first flange of the base plate; an anchor plate disposed outside of the second flange of the base plate and comprising a solid depending rib extended between the rib of the second flange and the web of the rail, and engaging the ball of the rail, the anchor plate and the second flange having registering openings; and a securing element mounted in the said openings.

1,461,309. DEVICE FOR TRUING CONNECTING RODS. WILLIAM C. CORYELL, Wayne, Nebr. Filed June 5, 1922. Serial No. 566,000. 1 Claim. (Cl. 33—180.)



A device for truing and alining the axes of a connecting rod and a piston fitted thereon comprising a one-piece metal body having a substantially oblong intermediate flat faced portion adapted to be clamped between the jaws of a vise, the upper face of said portion being formed with a longitudinal groove extending through the ends thereof, said groove being designed to accommodate a portion of a gaging instrument, and cylindrical stub-axes extending from the ends of said oblong part, one of said axes being designed to extend through the bearing of said connecting rod, the axes being of different diameters to accommodate the different sizes of bearings.

1,461,310. SHOE-SHINING DEVICE. FREDERICK W. DUSCHE, East Orange, N. J., assignor of one-half to Leon M. Nussbaum, Newark, N. J. Filed July 6, 1921. Serial No. 482,701. 10 Claims. (Cl. 15—266.)

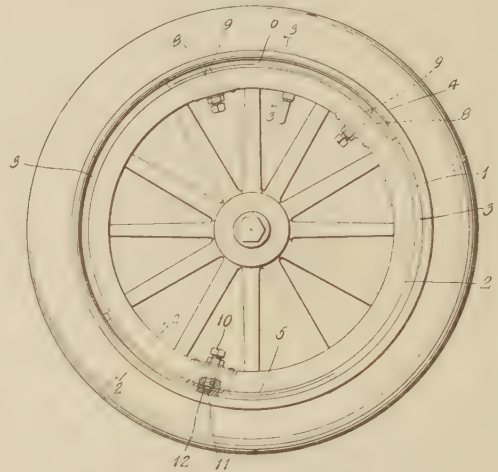


1. A shoe polishing device including a stand, a guide on said stand, a yoke slidably and hingedly connected to said guide, a spring roller in said yoke, and a polishing strip attached at one end to said roller and wound thereon.

1,461,311. DEMOUNTABLE RIM FOR TIRES. LEE B. HANCOCK, Richmond, Va. Filed Aug. 6, 1920. Serial No. 401,690. 2 Claims. (Cl. 301—21.)

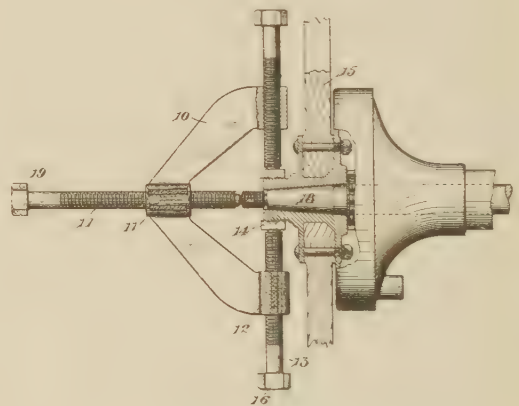
1. In a wheel having a felly, a felly band encircling said felly circumferentially recessed on its outer face, the face of said recess being laterally inclined, the end

walls of said recess being laterally inclined, a rim fitting upon the band and having a circumferentially extending projecting portion on its inner face fitting said



recess and having its ends inclined complementarily to the inclined end walls of the recess and means for detachably holding the rim in place upon the felly band.

1,461,312. WHEEL PULLER. FRANK W. HAYWARD, San Francisco, Calif., assignor to Kimmerle Bros., San Francisco, Calif., a Partnership composed of Daniel S. Kimmerle and Larned Kimmerle. Filed Feb. 20, 1922. Serial No. 537,731. 2 Claims. (Cl. 29—85.)

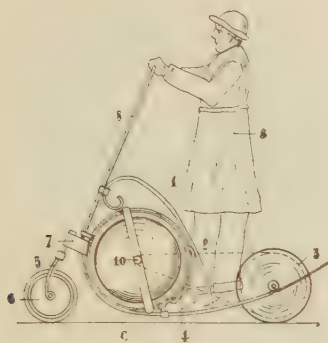


1. A wheel puller comprising a conical frame having an axially extending bearing at its apex and a series of equally spaced radially extending bearings at its base, a gripping bolt screw threaded into each of the last-named bearings and carrying at its inner end a swiveled shoe formed with threads to co-act with the threads on a wheel hub and a thrust bolt screw threaded into the axial bearing and adapted to engage with the end of the axle of the wheel.

1,461,313. GYROSCOPIC TOY. HENRI HÉBRARD, Sceaux, France. Filed July 14, 1921. Serial No. 484,698. 2 Claims. (Cl. 46—45.)

1. A gyroscopic toy, comprising a frame; front and rear wheels supported thereby and adapted to travel

along a smooth supporting surface; a gyroscope mounted on the frame and having a driving connection leading



from it to one wheel; and a figure mounted on said frame and having movable parts operatively associated with said driving connection to be actuated thereby.

1,461,314. SEPARATING MECHANISM FOR THRASHERS. EMILE W. JONES, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed June 9, 1919. Serial No. 302,941. 4 Claims. (Cl. 130—26.)

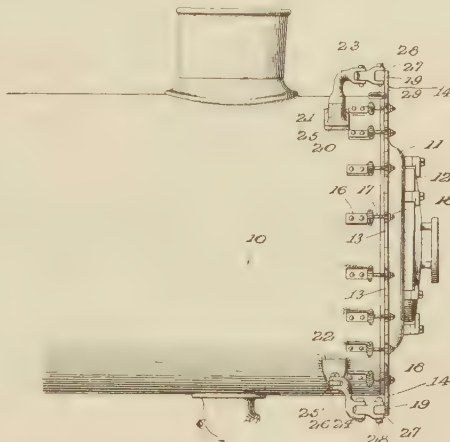


1. In a threshing machine, a casing, straw carriers carried by said casing, a crank shaft for operating said straw carriers, a separator, located below said carriers and a revolving beater disposed above said separator and operatively connected with said crank shaft for evenly distributing the material to be separated across said separator.

1,461,315. LOCOMOTIVE SMOKE-BOX FRONT. ARTHUR T. KUEHNER, Elkrige, Md. Filed Oct. 4, 1919. Serial No. 328,562. 5 Claims. (Cl. 110—172.)

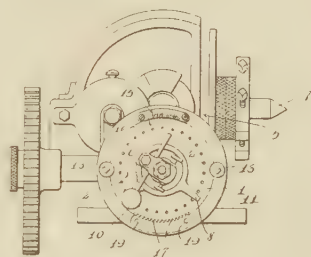
1. The combination with a locomotive, and a smoke box front closing the smoke box of the locomotive, of a series of mating plates extending around the peripheral margin of the front and forming a reinforcing ring

thereon, means coacting with certain of said plates for detachably securing the front in position, and means



adapted to extend between the smoke box and certain other oppositely disposed plates for pivotally supporting the front whereby the front may be swung to one side.

1,461,316. INDEXING PLATE FOR MILLING MACHINES. EUGENE RAYMOND LA CASSE, Syracuse, N. Y., assignor of one-half to Charles A. Haag, jr., Syracuse, N. Y. Filed May 9, 1921. Serial No. 468,049. 3 Claims. (Cl. 90—57.)

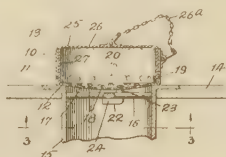


1. An indexing device for indexing heads of milling machines and the like which heads comprise a shaft connected to the indexing spindle through suitable reducing gearing, the device including inner and outer concentric index plates mounted concentric with the shaft, the inner plate having a circular series of equally spaced holes and a pointer mounted on the shaft to turn therewith and movable over the inner plate, and having means associated therewith for entering any one of the holes, the outer plate being fixed from movement and the inner plate being normally fixed from movement about its axis and being shiftable about its axis to change the position of the holes relatively to the pointer, means for determining the amount of such shifting movement to position one of the holes for a predetermined indexing and means for normally locking the inner plate from shifting movement, substantially as and for the purpose specified.

1,461,317. STRAINER AND STOPPER FOR PIPES. MINNIE LEBLESON, Guttenberg, N. J. Filed May 10, 1922. Serial No. 559,822. 2 Claims. (Cl. 4—35.)

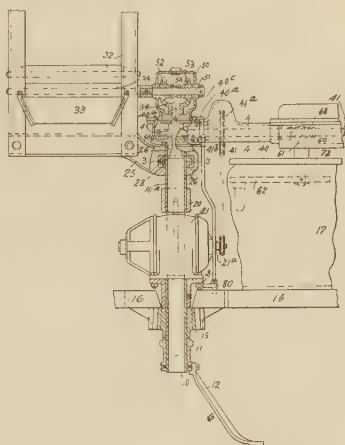
1. As an article of manufacture, a strainer and stopper for pipes, formed with a hollow body having an annular upstanding wall with an open top and having

perforations in spaced proximity to its lower end, a bottom on the lower end of the annular wall, having an imperforate flat edge portion and having a perforated



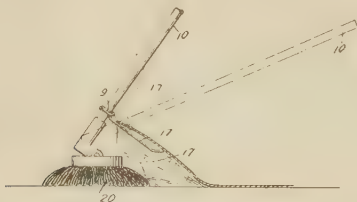
concaved central portion, and hooks on the bottom of the body for releasably engaging a crossbar in the entrance of the pipe by partially rotating the body.

1,461,318. MULTIPLE-TUB WASHING MACHINE. IRVIN D. LENGEL, Reading, Pa., assignor to Knoll Manufacturing Co., Reading, Pa., a Corporation of Pennsylvania. Filed July 7, 1921. Serial No. 482,888. 6 Claims. (Cl. 68—15.)



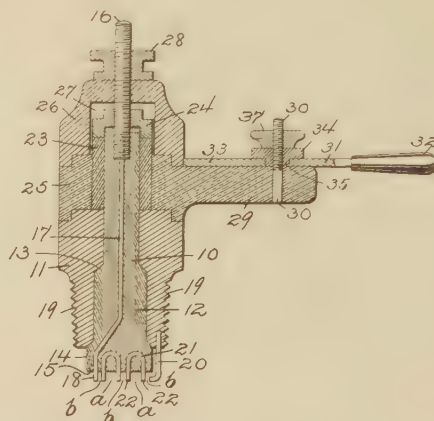
6. A multiple-tub washing machine comprising a central standard having a fixed bearing bracket carrying a swingable agitator arm and agitator drive mechanism, a tub-carrying hub rotatably mounted on said standard and formed with a series of peripheral arm-engaging recesses, a series of detachable tub-supporting bracket arms having recess-engaging projections and adapted to form rigid spoke extensions of said hub, and a movable arm-engaging catch adapted to hold any one of said rotatably adjustable arms in operative relation to the agitator.

1,461,319. FLOOR-MOP ATTACHMENT. PEARL HART MACY and JAMES SYDNEY MACY, Weehawken, N. J. Filed Nov. 24, 1920. Serial No. 426,113. 6 Claims. (Cl. 15—246.)



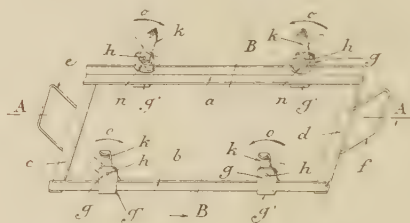
1. An attachment for the handle of a cleaning implement comprising an arm disposed in angular relation to the handle above the lower working end thereof, and means for attaching said arm to the handle, said arm being adapted to engage under and lift the edge of a floor covering during the operation of the implement.

1,461,320. SPARK PLUG. JOHN MARKS, Pearl River, N. Y. Filed July 24, 1920. Serial No. 398,744. 4 Claims. (Cl. 123—169.)



1. A spark plug comprising a core made of non-conducting material, a sleeve surrounding the bottom part of the core, the sleeve and the core having co-acting parts to limit the downward movement of the sleeve on the core, a terminal on the core terminating in a point at the bottom of the core, a thimble screwing on the terminal, a nut on the terminal so as to form a binding post, and a collar with an extension insulated from the said sleeve having means for connecting an electric circuit thereto and having a movable element to be placed in and out of contact with the thimble, the thimble resting on the collar.

1,461,321. FRAME FOR THE HORIZONTAL DEVELOPMENT OF FILM PLATES. PAUL MATHIOTTE, Neuilly-sur-Seine, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Aug. 9, 1922. Serial No. 580,599. 2 Claims. (Cl. 95—100.)



1. A frame for the horizontal development of photographic film plates, comprising a rectangular frame body, two handles secured on said frame body, angle brackets secured on said frame body, said brackets protruding under the bottom face of the frame body, stud shafts on said brackets and cam shaped levers pivoted on said stud shafts and adapted to clamp the film plate upon the frame body.

1,461,322. AMUSEMENT APPARATUS. HYLIA FREDERICK MAYNES, Gaines, Pa. Filed Dec. 3, 1921. Serial No. 519,585. 7 Claims. (Cl. 104—53.)

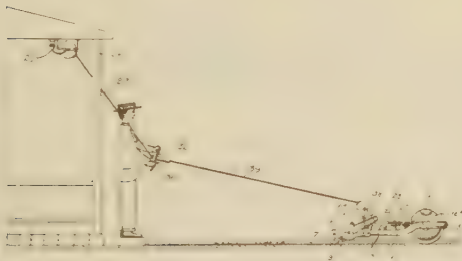
4. An amusement apparatus comprising a substantially circular trackway, a car adapted to run upon said trackway, a collapsible tunnel adapted to enclose the car

and move relative thereto, a turntable at the center of the trackway, arms radiating from said turntable



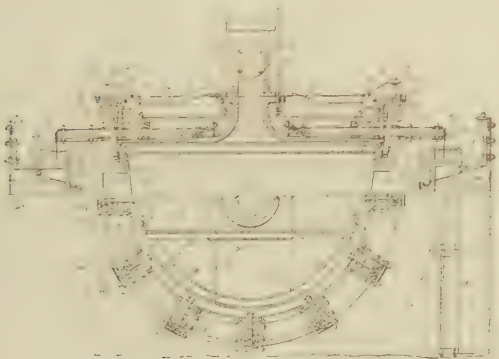
pivoted thereto and attached to the tunnel, and means for swinging the arms about their pivots to collapse and extend the tunnel.

1,461,323. LAWN MOWER. JOHN W. PETERS, Roslyn, N. Y. Filed Mar. 2, 1921. Serial No. 449,259. 3 Claims. (Cl. 191—12.)



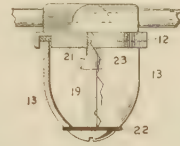
1. A lawn mower a propelling motor thereon, a flexible cable extending from the mower to a switch under the control of the operator, said switch functioning to stop and start the propelling motor and to control the direction of travel of the mower, and a flexible cable extending from the operator to a source of current supply.

1,461,324. APPARATUS FOR COKING LIQUEFIABLE BITUMINOUS MATERIALS. FRANZ PUENING, Pittsburgh, Pa., assignor to American Tar Products Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 20, 1920. Serial No. 431,854. 10 Claims. (Cl. 202—4.)



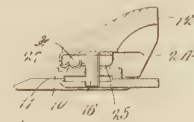
10. A retort mechanism, comprising, in combination; a retort receptacle, a plurality of suspension members engageable with said receptacle for holding the latter suspended, and means for releasing said suspension members in unison to permit dumping of said receptacle, substantially as specified.

1,461,325. OILER FOR ENGINES. WALTER A. RARIG, Oakland, Calif. Filed Dec. 1, 1917, Serial No. 204,926. Renewed Mar. 26, 1923. 9 Claims. (Cl. 184—11.)



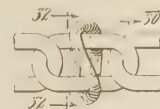
1. A sight glass of the character described, comprising a plate having an inlet and an outlet opening therein, a transparent tubular member having one end fitted against one face of the plate and having said openings communicating therewith, a cap closing the other end of said tube, and a connecting rod detachably connecting said cap and plate together, whereby the parts are maintained in position.

1,461,326. HAIR CLIPPER. WALTER HUNT REDMAN, Newark, N. J., assignor, by mesne assignments, to H. Boker & Co., Inc. (of N. J.), New York, N. Y., a Corporation of New Jersey. Filed May 2, 1919. Serial No. 294,237. 4 Claims. (Cl. 30—1.)



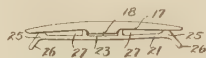
1. In an instrument of the character described comprising a comb-plate, a cutter-plate thereon having a smooth uniform flat upper surface, a cover-plate having a smooth flat lower surface and means for operating the cutter-plate, in combination, a frame interposed between said flat upper surface of the cutter-plate and the said flat lower surface of the cover-plate and connected with the cover-plate, and ball-bearings carried by said frame and engaging the said upper flat surface of said cutter-plate, said frame comprising an upper plate member engaging the forward flat lower surface of said cover-plate to the front edge of said cover-plate, an exposed front member extending downwardly from the front edge of said upper plate member and at the front edge of said cover plate, ends and a rearwardly extending lower plate member containing slots in which said ball-bearings are located, said cover-plate having adjacent to its ends downwardly projecting studs which extend through said upper plate member, said cutter-plate and said comb-plate.

1,461,327. TREAD SECTION FOR ANTISKID DEVICES FOR VEHICLE WHEELS. JOHN R. REYBURN, Fairfield, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Continuation of application Serial No. 305,139, filed June 18, 1919. This application filed Mar. 1, 1921. Serial No. 448,764. 14 Claims. (Cl. 152—14.)



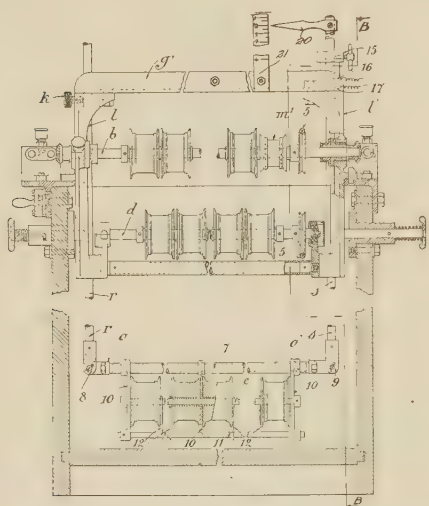
1. An anti-skid device for vehicle wheels, comprising a tread element including a chain link having oppositely arranged strands, and contact means for said strands comprising a section of wire extending transversely of the link and bent about said strands and connecting the same.

1,461,328. COLLAR HOLDER. EVERETT IRVING ROGERS, Jr., Providence, R. I. Filed Nov. 15, 1920. Serial No. 424,148. 2 Claims. (Cl. 24—81.)



1. A collar holder comprising a rigid front bar constructed of a single faced metal pressed to form a rearwardly opening channel, said metal having adjacent the center thereof at the rear edge, clip extensions for engaging a back bar; and a resilient back bar operatively related to said front bar and providing a centrally disposed loop-like member for receiving in permanent relation said clip extensions.

1,461,329. MACHINE FOR TREATING CINEMATOGRAPHIC FILMS. GEORGES AUGUSTIN SALINS, Vincennes, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Mar. 29, 1922. Serial No. 547,716. 6 Claims. (Cl. 95—94.)

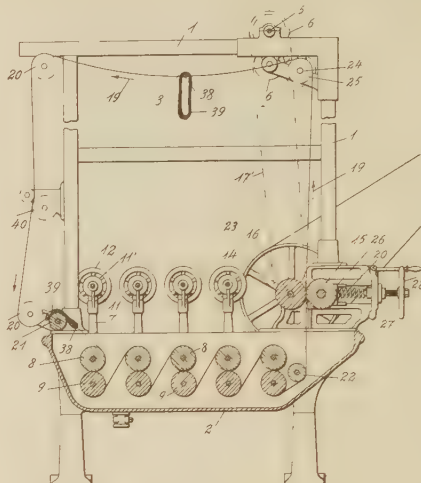


1. A machine for treating cinematograph films comprising a treating vat, two upper longitudinal shafts arranged in the upper part of said vat on a level higher than the upper edge of said vat, an intermediate longitudinal shaft on a lower level than the upper shafts, two lower longitudinal shafts arranged in the bottom of the vat, means for supporting the lower shafts at a variable height in the vat, film supporting rollers placed end to end upon said shafts and so arranged that the film is transported in the longitudinal direction of the vat for a distance equal to the length of one roller during a vertical zig-zag movement of said film from one of the upper rollers to the next adjacent upper roller and means for feeding the film around the rollers.

1,461,330. MACHINE FOR TREATING SKEINS OF THREAD. MIGUEL SANTALO, Barcelona, Spain. Filed July 8, 1922. Serial No. 573,735. 2 Claims. (Cl. 8—19.)

1. A machine for treating skeins, having in combination, a vat containing the bath, a plurality of pairs of rollers, the upper roller of each pair being adjustable, two endless parallel chains following a path partly inside and partly outside of the bath, a pair of positively driven pulleys to impart motion to said endless chains, wheels for guiding said endless chains outside of the

bath, wheels for guiding said endless chains inside of the bath and mounted loosely on the axes of said rollers inside of the vat so as to allow the skeins carried by said chains to follow a zigzag course while passing



through the pairs of rollers, and driving mechanism to set in motion said rollers contained inside of the bath at a peripheral speed slightly greater than that of the chains.

1,461,331. TYPEWRITING MACHINE. PETER L. SCHMIDT, Mohawk, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed July 24, 1922. Serial No. 576,944. 4 Claims. (Cl. 197—161.)



1. In a typewriting or like machine, the combination of two ribbon spools, two spring pressed independently operable pivoted members, each comprising a sheet metal combined ribbon contact and reversing device with its parts all rigidly united, one member associated with each spool and having its contact bearing against the outer surface of the ribbon thereon and moving inwardly towards the axis of its spool to bring about a reversal in the direction of the feed of the ribbon, a driving gear for each ribbon spool and on which the spool is directly mounted and supported, a longitudinally shiftable driving shaft carrying pinions, one movable into mesh with its driving gear when the other is moved out of mesh with its companion driving gear, and two independently adjustable cams on said shaft and with each of which directly coacts the associated combined ribbon contact and reversing device member to cause the shaft to be shifted longitudinally by a camming action and reverse the direction of feed of the ribbon, whereby there is a direct meshing between the pinions on the shiftable shaft and the driving gears for the spools, a direct connection between the driving gears and the spools and a direct control between each of said combined members with the ribbon on its spool on the one hand, and between the member and its associated cam on the other hand.

1,461,332. PAPER-CUP-DISPENSING DEVICE. JOSEPH SCHORFE, New York, N. Y. Filed Apr. 1, 1922. Serial No. 548,601. 1 Claim. (Cl. 211—8.)

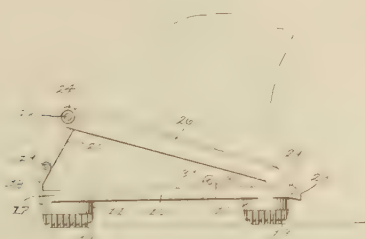
A dispensing apparatus for flat paper cups having transversely folded edges near their front ends, said

apparatus comprising a container having a relatively low front wall, a spring locked front plate hinged to said wall, a bottom plate having raised flanged side edges containing slots, means passing through the slots for adjustably securing the flanges within the side walls of the container, a hook adapted to contact with the folded edge of the lowermost cup, vertical guides extending in-



wardly from the rear wall of the container and from said front plate, said guides making contact with the folded cups, means for pressing the cups upon the surface of said bottom plate, a lever pivoted on said plate to move in a horizontal plane, a spring for retracting said lever, and an operative connection between said lever and said hook.

1,461,333. HORSESHOE. CHARLES SOLTESZ, New York, N. Y., assignor of one-half to Josef R. Hladish, New York, N. Y. Filed May 14, 1921. Serial No. 469,404. 1 Claim. (Cl. 168—31.)

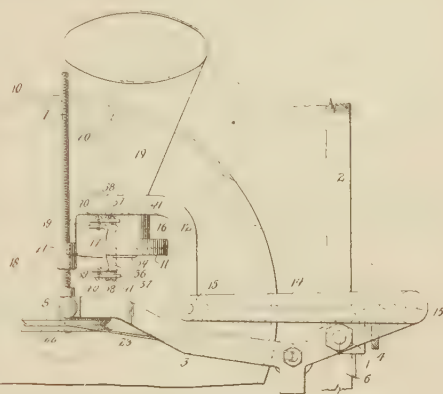


In a horseshoe of the class described including a tread member, a plurality of curved bodies having a substantially semi-circular cross-section, a lower corrugated ground-engaging face on each of said bodies, and an upper flat tread-engaging face, eyes on said bodies allowing the passage of fastening means for fastening said bodies to said tread, and a cross-bar for strengthening said bodies.

1,461,334. PHONOGRAPH. WILLIAM M. VENABLE, Pittsburgh, Pa. Original application filed Apr. 1, 1920, Serial No. 370,521. Divided and this application filed Aug. 12, 1921. Serial No. 491,656. 11 Claims. (Cl. 224—13)

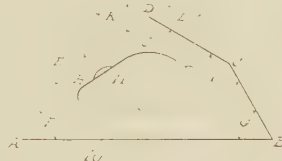
1. In disc phonograph apparatus, the combination of a soundbox with a stylus, a vertically pivoted guide arm therefor, a vertical pivot connecting the soundbox to the

guide arm, and a feeding mechanism for the soundbox, said feeding mechanism also operating to move the soundbox on its pivot to maintain the stylus axis in a



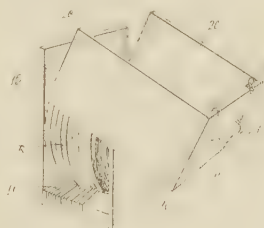
plane substantially tangential to the direction of rotation of the disc at the point of stylus contact with said disc.

1,461,335. DRAWING IMPLEMENT. KENNETH D. VOSLER, South Amboy, N. J. Filed June 23, 1920. Serial No. 391,093. 2 Claims. (Cl. 33—104.)



1. A drawing implement comprising a thin flat body having a comparatively long straight base, two straight sides converging from the ends of the base at 60° angles thereto, and two other straight sides extending at 150° angles, from the ends of said first mentioned sides remote from the base and meeting in a 120° angle.

1,461,336. HOLDER OR CABINET FOR CARRYING TALKING-MACHINE RECORDS. HANS WEIDE, Brooklyn, N. Y., assignor to Lorenz & Weide, New York, N. Y. Filed Aug. 4, 1921. Serial No. 489,676. 8 Claims. (Cl. 211—16.)

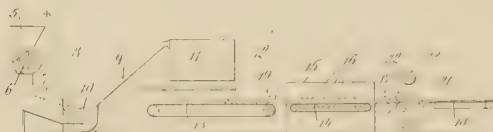


1. A record holding cabinet comprising a bottom section and a top section hinged thereto, the top section forming the entire top and end walls of the cabinet whereby the top section when swung to open position upon the hinges will permit the records to be removed laterally from the cabinet.

1,461,337. WALL BOARD. HOWARD FREDERICK WEISS, Madison, Wis., assignor to C. F. Burgess Laboratories, Madison, Wis., a Corporation of Wisconsin. Filed Feb. 26, 1919. Serial No. 279,288. 15 Claims. (Cl. 18—48.)

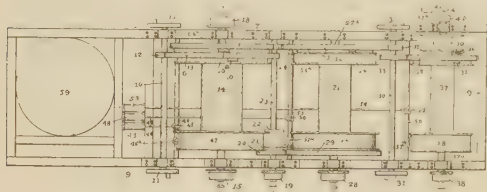
1. The method of manufacturing composite board by a continuous process, which comprises shredding fibrous

material with a binding agent in a substantially dry and solid condition to produce an intimate mixture, forming the dry mixture into a layer of the desired thickness,



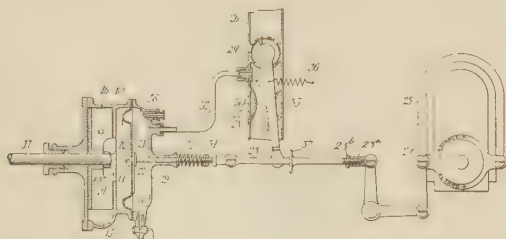
compressing such layer, heating the same to soften the binding agent, and again compressing to consolidate the mixture into a board of nonhydrolyzed fiber.

1,461,338. LOGGING ENGINE. OSCAR A. WIRKKALA, Rome Township, Whatcom County, Wash. Filed Apr. 21, 1921. Serial No. 463,329. 7 Claims. (Cl. 254—185.)



1. In a logging donkey engine in combination, a donkey engine frame, three cable drums mounted in column on parallel shafts for rotation on said frame, two prime-mover shafts mounted parallel with said drum shafts for revolution on said frame, separately controllable power connections between each of said prime-mover shafts and each of said drums adapted to transmit power of rotation from either of said prime-mover shafts to each of said drums without connection with either of the other of said drums, and separately controllable means to operate each of said prime-mover shafts.

1,461,339. IGNITION REGULATOR FOR INTERNAL COMBUSTION ENGINES. GOTTFRIED WIRNER, Plainfield, N. J., assignor, by mesne assignments, to Connecticut Telephone and Electric Co., Inc., Meriden, Conn., a Corporation of Connecticut. Filed May 3, 1912. Serial No. 695,803. 43 Claims. (Cl. 123—99.)



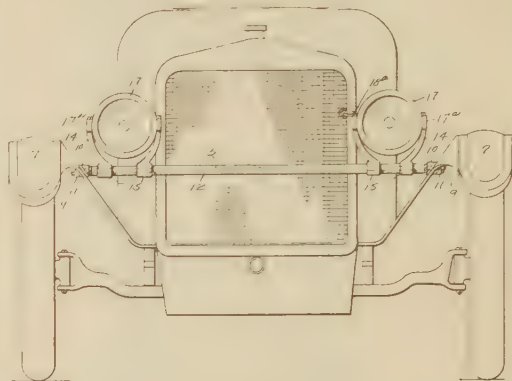
1. In an internal combustion engine, means for timing the ignition comprising a movable member subjected to a fluid pressure determined by the combined effect of the speed of the engine and the load thereon.

1,461,340. RADIOACTIVE SPRAY MATERIAL. RALPH RANDOLPH ADAMS, Yonkers, N. Y. Filed Aug. 20, 1915. Serial No. 46,492. Renewed Nov. 24, 1922. 5 Claims. (Cl. 167—6.)

1. A spray material for stimulating plant growth consisting of a suitable vehicle containing radium in combination with an adhesive material, substantially as described.

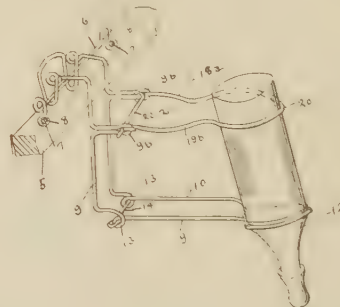
5. A spray material for stimulating plant growth consisting of radium-bearing barium salts in combination with an adhesive material and arsenate of lead, substantially as described.

1,461,341. DIRIGIBLE HEADLIGHT. PETER N. ANDRESEN and PHILLIP J. JEFFWAY, Salem, Oreg. Filed Apr. 5, 1922. Serial No. 549,721. 2 Claims. (Cl. 240—61.)



1. An automobile headlight supporting and tilting mechanism, comprising a rod and means to secure it between the front fenders of the automobile, a sleeve rotatably mounted on said rod, lamp-supporting brackets adjustably mounted on said sleeve, an adjustable rod connected to one of said brackets, a lever adapted to be centrally pivoted on the dash-board of the automobile, said adjustable rod being connected to the lower end of said lever, manually operable means connected to the upper end of said lever, and a spring tending to swing said lever so as to elevate the focal axes of the lamps.

1,461,342. HOLDER FOR NURSING BOTTLES. RUSSELL E. BANNON, Springfield, Mass. Filed Aug. 26, 1920. Serial No. 406,248. 3 Claims. (Cl. 248—65.)

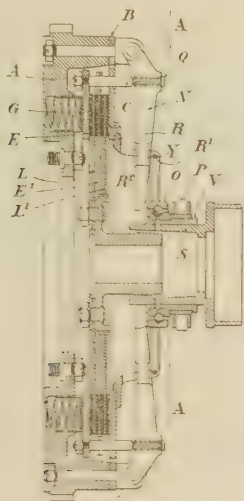


2. A bottle holder consisting of a frame provided with a laterally disposed loop adapted to receive the neck of an inverted bottle, and a yoke pivoted to the frame above the loop and provided with means for supporting the bottle in more than one inclined position.

1,461,343. CLUTCH DEVICE FOR MOTOR VEHICLES. MARIUS JEAN BAPTISTE BARBAROU, Paris, France. Filed Apr. 21, 1922. Serial No. 555,858. 2 Claims. (Cl. 192—69.)

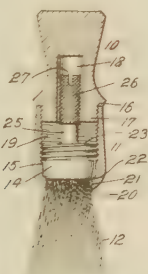
1. In a clutch device for motor vehicles, the combination of clutching members, rocking levers adapted to act on the same, a thrust-bearing adapted to push said levers in one direction, return springs adapted to move

said levers in the opposite direction, a sheet metal member having radial slots through which the levers are adapted to extend, a circular abutment member adapted



to limit the rocking movement of the levers towards the thrust-bearing and means on the sheet metal member for retaining said abutment member in position.

1,461,344. LATHER BRUSH. MARCUS B. BEHRMAN, New York, N. Y., assignor to Lox Seal Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 22, 1922. Serial No. 576,679. 4 Claims. (Cl. 15-194.)

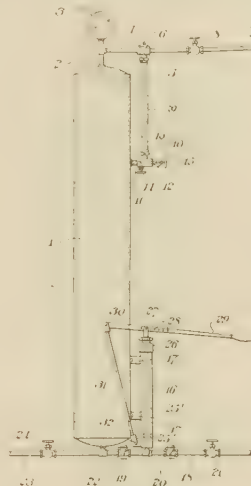


1. A lather brush comprising a bunch of bristles or the like having a knot-end encompassed by a metal band, a ferrule having an inner screw thread and in its lower portion a seat for said band, a threaded flat binding disk screwed into the lower portion of said ferrule against the knot of the bunch, and a handle having a threaded shank end screwed into the thread of the ferrule at the upper end portion thereof and also a shoulder to engage the upper edge of the ferrule and arrest said shank end above said disk, said disk having a central upwardly extending operating stem by means of which the disk may be screwed to position.

1,461,345. METHOD AND MECHANISM FOR TESTING GAS. ALEXANDER CLARKE, Charleston, W. Va., assignor to United Hydro-Carbons Company, a Corporation of West Virginia. Filed Mar. 4, 1920. Serial No. 363,256. 9 Claims. (Cl. 23-3.)

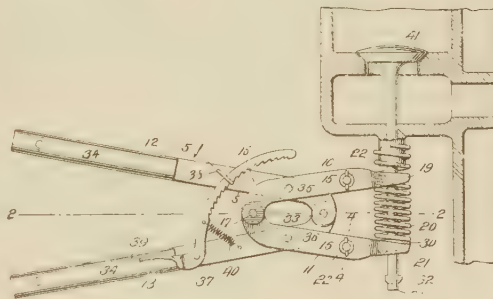
1. The herein-described method of treating gas for determining its gasoline content, which consists in com-

pressing and cooling, a predetermined quantity of the gas by the action of a cooling liquid under pressure



adapted to cause the gasoline content to be converted into a liquid state, and measuring the liquid gasoline.

1,461,346. VALVE-SPRING COMPRESSOR FOR AUTOMOBILE AND OTHER ENGINES. DOMINICK CLERICO, Yonkers, N. Y. Filed Jan. 27, 1922. Serial No. 532,065. 6 Claims. (Cl. 29-86.3.)



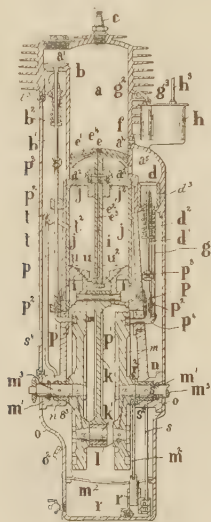
1. A tool of the character described comprising two coating jaw members provided with jaws on their forward ends adapted to be engaged with a spring and at their rear ends being turned toward each other and pivoted together, two handle bar members turned toward each other at their forward ends and pivoted together and crossing said jaw members forwardly of their pivot and being pivotally secured thereto, and a rack normally resisting outward movement apart of said jaw members and handle bar members.

1,461,347. CARRIAGE PULL BAND FOR TYPEWRITING AND LIKE MACHINES. HARRY E. COOK, Washington, D. C., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Sept. 24, 1920. Serial No. 412,426. 1 Claim. (Cl. 197-60.)



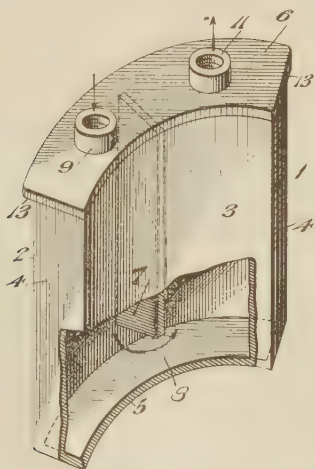
A pull band for typewriting and like machines, the body portion of which is made wholly of textile material and has rosin incorporated in its otherwise untreated body sufficient in quantity to render the band stiff enough to thread through parts of a machine and clingy enough to prevent slipping.

1,461,348. TWO-STROKE ENGINE. RICHARD HALLAND DICKINSON, Farnham, England. Filed Nov. 27, 1920. Serial No. 426,729. 11 Claims. (Cl. 123—69.)



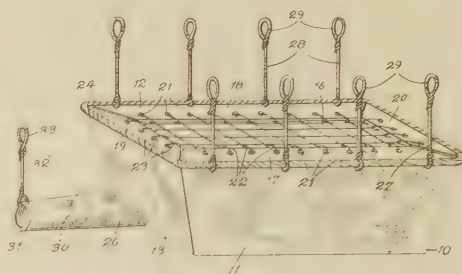
1. A two-stroke engine comprising a cylinder, a piston reciprocable within said cylinder, one end of said cylinder forming the working chamber, the other end of said cylinder forming the pump chamber, an exhaust valve in said working chamber, an inlet port in said pump chamber, a transfer port adjacent to said inlet port, a passage connecting said ports, means for admitting air only through said inlet port, and means for carburetting said air after compression in said pump chamber.

1,461,349. WATER BACK FOR HOT-AIR AND OTHER FURNACES. JOSEPH HOFFENTHALER and CHARLES H. FISCHER, Philadelphia, Pa. Filed Feb. 27, 1922. Serial No. 539,463. 4 Claims. (Cl. 126—34.)



1. A water back for a heater of the character stated having a vertically-disposed body, and a closing cap plate provided with a flange outwardly extended for contact with an offset shoulder within the furnace, there being a depending diaphragm within the body extending to nearly the bottom.

1,461,350. FISH-SHIPPING TANK. GOTTFRIED L. A. FRIEDRICH, New York, N. Y. Filed July 3, 1922. Serial No. 572,615. 4 Claims. (Cl. 119—5.)

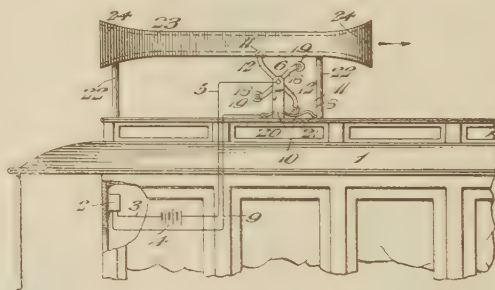


1. A fish shipping tank, comprising a substantially rectangular flexible waterproof hollow body with an open top and having an outlet in its lower part, a flexible chute extending from the edge of the outlet opening of the body and the chute being longer than the height of the body, and means on the upper edges of the walls of the body whereby the body may be removably suspended to a support.

1,461,351. CLEANING COMPOSITION. DANIEL E. HAKES and AUGUST LAPEROU, Calexico, Calif. Filed Dec. 17, 1919. Serial No. 345,463. 1 Claim. (Cl. 87—5.)

The herein described composition of matter, consisting of olive oil, 1 ounce; water, 1 quart; the extractive matter of two ounces of soap bark; washing powder, 6 ounces; glycerine, 1 ounce; turpentine, $\frac{1}{2}$ ounce; aqua ammonia, $\frac{1}{2}$ ounce; baking soda, 2 ounces; and wood flour, $1\frac{1}{2}$ quarts, all mixed and boiled to form a paste.

1,461,352. CAR SIGNAL DEVICE. ERLE H. HAND, Stapleton, N. Y. Filed Mar. 25, 1922. Serial No. 546,663. 14 Claims. (Cl. 246—196.)

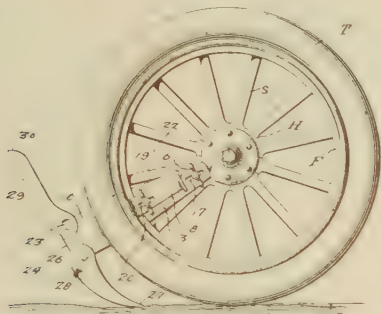


1. In a car signal device, a contact member carried on a car, a shaft mounted above said member, a hub rotating on said shaft, and provided with radial arms arranged in pairs of different lengths, and rollers mounted in the ends of said arms to actuate said contact member for opening and closing an electric circuit.

1,461,353. LIFTING JACK FOR MOTOR VEHICLES. ABNER L. HOLTON, Big Stone Gap, Va. Filed June 12, 1922. Serial No. 567,691. 7 Claims. (Cl. 254—74.)

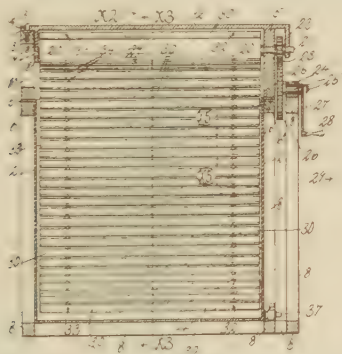
1. In combination with a motor vehicle wheel a device consisting of a substantially U-shaped shoe or yoke adapted to be fitted about the tire and felly of said motor vehicle wheel, having an arm extending from the upper

leg of the shoe or yoke at substantially right angles thereto, the arm having an elongated hole near the top through which to pass a threaded bolt, said bolt having on



one end a wheel supporting lug and on the opposite end a thumb nut; and a latch to fasten the device to the wheel.

1,461,354. WASHING MACHINE. TOYOJIRO INAKI, Fresno, Calif. Filed Sept. 25, 1919. Serial No. 326,415. 3 Claims. (Cl. 68—37.)

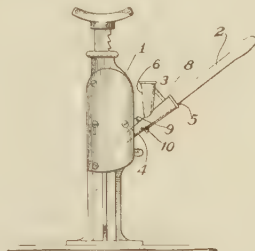


1. A washing machine comprising a receptacle for washing fluid; a frame supporting said receptacle; a standard secured to said frame and having a pin secured to its top; another standard removably mounted on said frame and provided with sockets on its lower edge; pins on the frame adapted to cooperate with said sockets to hold the other standard in position on the frame; a head bar connected to said other standard and having an opening at one end adapted to cooperate with the pin in the top of the standard secured to said frame; a hanger secured to said head bar; a roller positioned above said receptacle and journaled in said hanger and said other standard; an endless apron supported by said roller; and means for revolving said roller and apron for the purpose set forth.

1,461,355. ATTACHMENT FOR JACKS. STEVE A. IRWIN, Robinson, Ill. Filed Jan. 25, 1922. Serial No. 531,692. 1 Claim. (Cl. 254—111.)

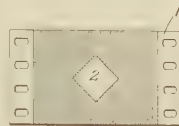
As a new article of manufacture, a handle carrying attachment for jacks formed as a single casting and comprising a main section having an elongated solid shank and a handle receiving socket extending from one end of said shank, an auxiliary handle receiving socket extending from the main section adjacent the inner end

of the socket of the main section at an angle for extending upwardly when the device is in use, a brace bar ex-



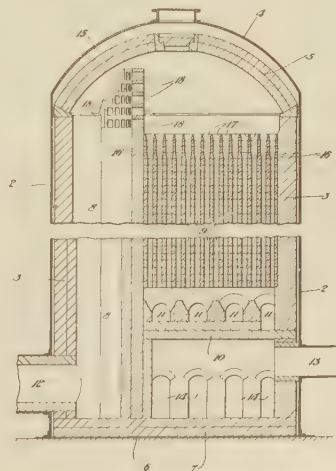
tending between said sockets, and jack engaging abutments extending from the upper and lower sides of said shank.

1,461,356. COLOR TRANSPARENCY. WILLIAM V. D. KELLEY, Newark, N. J., assignor to Prizma, Incorporated, Jersey City, N. J., a Corporation of Maine. Filed Aug. 25, 1920. Serial No. 405,787. 3 Claims. (Cl. 88—16.4.)



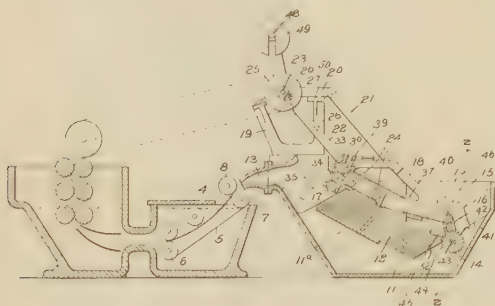
1. Process of making a color transparency consisting in printing from a single negative in one operation images in different layers of multiple layer positive, developing both images, and coloring one image in one color and the other in a contrasting color.

1,461,357. HOT-BLAST STOVE. FRED E. KLING, Youngstown, Ohio. Filed June 27, 1922. Serial No. 571,181. 6 Claims. (Cl. 263—19.)



1. In a hot blast stove, a plurality of relatively small vertical flues forming vertical checkerwork, said flues having their walls reduced in thickness from a point intermediate their ends to their top and having wedge-shaped tops, and a plurality of relatively large horizontal flues forming horizontal checkerwork above said vertical flues, said horizontal checkerwork communicating with the combustion chamber and with the distributing chamber above said vertical flues, all substantially as and for the purpose described.

1,461,358. PLATE-FEEDING MECHANISM. CHARLES A. KLOMAN, Bellevue, Pa., assignor to The Colonial Engineering Company, Pittsburgh, Pa., a Corporation of Delaware. Filed May 25, 1921. Serial No. 472,496. 13 Claims. (Cl. 271—37.)

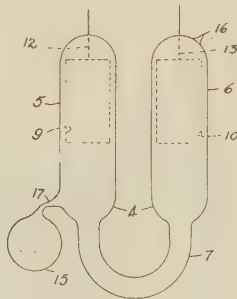


1. In a plate-feeding machine, means for supporting a stack of plates, pick-up rolls for engaging one edge of the upper plate of the stack and for lifting it above the stack, and means for engaging the elevated edge of the plate and for sliding the plate across the stack.

1,461,359. ELECTRIC GAS LAMP. ANTON LEDERER, Vienna, Austria, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 16, 1914. Serial No. 839,091. 14 Claims. (Cl. 176—122.)

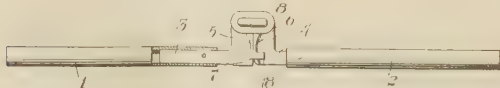
1. The method of lowering the starting potential of a commercially unfinished electric discharge device, which comprises vaporizing and forming in the device a thin deposit of an electro-conductive material, as a step preliminary to its commercial use.

1,461,360. ELECTRIC GAS LAMP. ANTON LEDERER, Vienna, Austria, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed July 18, 1914, Serial No. 851,836. Renewed May 3, 1921. Serial No. 466,401½. 17 Claims. (Cl. 176—122.)



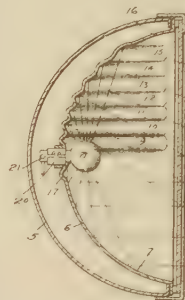
1. An electric gas lamp comprising an envelope enclosing a gaseous atmosphere, non-alkali metal electrodes and a relatively small quantity of an alkali metal in the form of a deposit.

1,461,361. FISH-TAPE PULLER. HAROLD E. LUBKER, Grand Junction, Colo. Filed July 12, 1922. Serial No. 574,404. 4 Claims. (Cl. 294—3.)



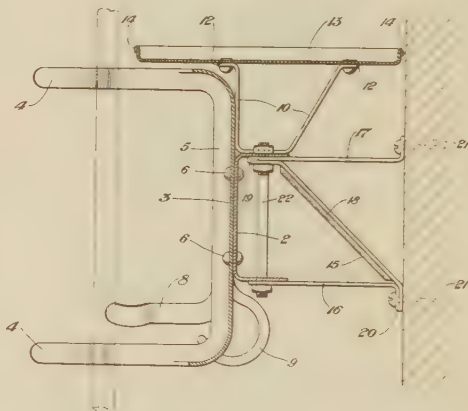
1. A tool of the character described comprising a pair of handles, jaws carried by said handles, pivotal connection between the outer ends of said jaws, said jaws being adapted to receive an article to be gripped therebetween, and means associated with said pivotal connection for retaining said jaws against lateral displacement.

1,461,362. NONGLARE REFLECTOR. JAMES N. LYLES, Addison Heights, Va. Filed Sept. 1, 1922. Serial No. 585,681. 3 Claims. (Cl. 240—41.)



1. A parabolic lamp reflector having a plurality of straight horizontally arranged stepped portions extending entirely across the upper half thereof from side to side and arranged to direct light rays received from a source of light placed at its focus downwardly and substantially at the same angle of inclination at all points in the length of said stepped portions.

1,461,363. UTENSIL HOLDER. FRANK R. MCGEE, Steubenville, Ohio. Filed Dec. 30, 1921. Serial No. 525,913. 3 Claims. (Cl. 211—17.)

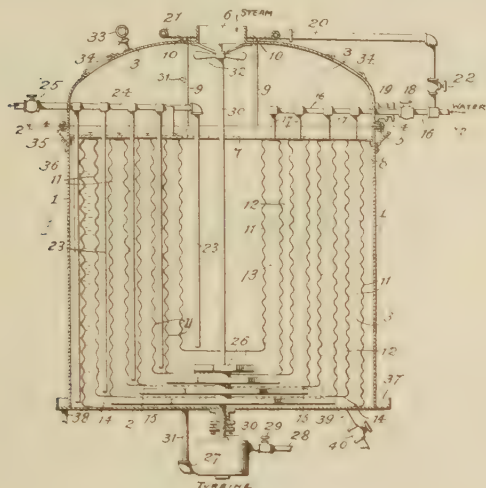


1. The combination with a wall of a utensil rack comprising a channel shaped assembly bar arranged with its flanges projecting toward the wall and its web forming a forward face, shelf supporting brackets secured to and extending upwardly from the upper flange of said assembly bar, a shelf supported on said brackets, a plurality of utensil supporting members secured to the web of said assembly bar, and a plurality of wall supporting brackets each of which is pivotally secured to the upper and lower flanges of said assembly bar and rigidly secured to the wall.

1,461,364. DEVICE FOR CONDENSING GASES. CHARLES R. MABEE and MAY C. MABEE, Buffalo, N. Y. Filed Feb. 5, 1915, Serial No. 6,359. Renewed Dec. 7, 1922. 12 Claims. (Cl. 257—197.)

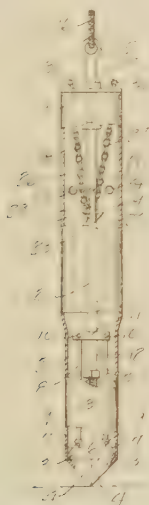
1. In an upright surface condenser, the combination of a cylindrical container, a plurality of annular steam chests mounted therein and separated to form therebetween a plurality of annular spaces, means for intro-

ducing a cooling fluid between the exterior surfaces of said annular steam chests, and connected rotors oper-



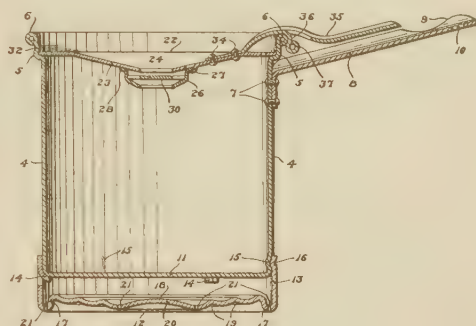
atively associated one with each of said spaces whereby to circulate the cooling fluid over the surfaces of the steam chests.

1,461,365. OIL-WELL BAILER. CHARLES WILLIAM MORRIS, Laramie, Wyo. Filed Apr. 7, 1922. Serial No. 550,286. 2 Claims. (Cl. 166—19.)



1. A well bailer, comprising a hollow cylinder open at bottom and closed at top; scoop shaped jaws hinged at the lower end and adapted to open in conformity with the contour of the cylinder and to close together on a central line; shanks rigidly secured to the jaws and extended inwardly; connecting rods pivoted at their lower ends to said shanks; a plate secured to the upper ends of said connecting rods; a square draw rod passing freely through the said plate and freely through the top of the cylinder, and ending in an eye adapted to engage a line; stops on the draw rod above and below the cylinder top; cross bars oppositely mounted inside the cylinder; hook-arms oppositely pivoted to the draw rod, and carrying hooks adapted to swing out and engage the cross bars; and chains attached to the hook arms and extended freely up through the top of the cylinder.

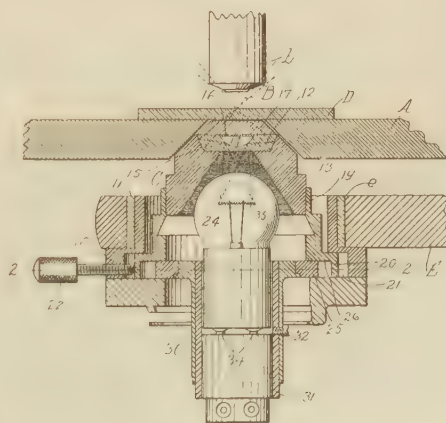
1,461,366. COOKING UTENSIL. HAROLD V. MULFORD and WALTER D. FELTY, Paulsboro, N. J. Filed Apr. 7, 1922. Serial No. 550,348. 3 Claims. (Cl. 53—1.)



1. A lid of the class described having a flat peripheral portion, a conical portion contiguous therewith provided with an opening at its apex, tongues punched out of said lid adjacent the said opening, a valve associated with the opening in the lid, said valve comprising a basket of substantially U shaped cross-section, said basket being adapted to be supported by said tongues and having an opening in its bottom, a flat float disposed within the basket consisting of a central portion adapted to seal the opening in the lid, and radial arms extending from said central portion for holding said float in spaced relation to the aforesaid opening in the basket.

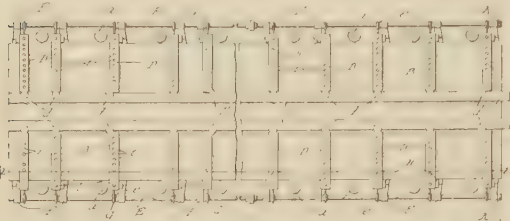
2. A lid for a cooking vessel having a handle integral therewith, said lid being adapted to be supported on a cooking vessel below the upper edge thereof, a shoulder portion on said handle shaped to span the upper edge of the vessel, and a spring tongue punched out of the said handle, said tongue being curved to resiliently engage the upper edge of the vessel.

1,461,367. CONDENSER OR ILLUMINATOR FOR MICROSCOPES. HARVEY N. OTT and HARRY G. OTT, Buffalo, N. Y., assignors to Spencer Lens Company, Buffalo, N. Y. Filed May 3, 1920. Serial No. 378,371. 10 Claims. (Cl. 88—40.)



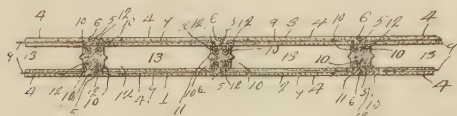
1. In a specimen illuminator for microscopes, the combination of a source of light, a device for directing the light rays from said light to the specimen, a support in which said ray-directing device and the source of light are mounted, means for adjusting said support with said ray-directing device and source of light carried thereby relatively to the optical axis of the microscope, and means for independently adjusting said source of light relatively to the ray-directing device.

1,461,368. APPARATUS FOR USE IN MAKING BELTS OR THE LIKE. CHARLES H. PAEPLOW, Buffalo, N. Y. Filed May 16, 1922. Serial No. 561,402. 11 Claims. (Cl. 18—17.)



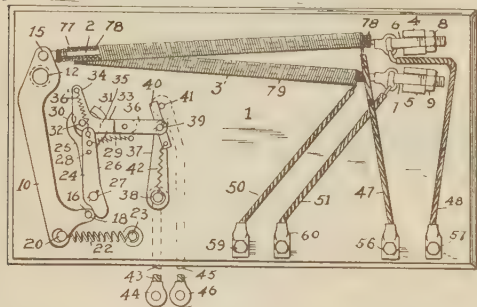
1. In an apparatus for treating belting and the like, the combination of a platen adapted to receive the belt, a side bar movable toward and from said belt, slides arranged at a side of said platen and connected with said side bar, and means for moving said slides to cause said side bar to move toward and from a belt.

1,461,369. CONCRETE WALL. ALONZO GUSTAVUS REYNOLDS, Oakland, Calif. Filed Jan. 20, 1920. Serial No. 352,707. 1 Claim. (Cl. 72—6.)



A wall comprising spaced walls formed from plastic slabs, interlocking means between the vertical ends of said slabs and in vertical alignment, plastic columns disposed between spaced walls at the points of engagement of the slabs which slabs engage each other centrally of the column, horizontally disposed reinforcing rods extending through the slabs, the ends of said reinforcing rods extending inwardly at right angles from the slabs at points spaced from their ends, the inwardly extending portions of the horizontally disposed reinforcing rods being bent to form outwardly extending hooks, said hooks being imbedded in the plastic columns, and vertically disposed reinforcing rods extending through said columns and through said hooks thereby tying the adjacent ends of the slabs to the columns.

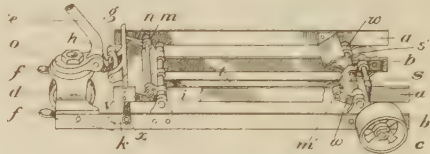
1,461,370. OVERLOAD DEVICE. CHARLES H. RIPPL, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 14, 1921. Serial No. 522,231. 3 Claims. (Cl. 200—122.)



1. In an overload device for an electric circuit, a switch for controlling the circuit, an expansive wire electrically connected to the circuit for controlling the switch, a coil electrically connected to the circuit and arranged to transmit heat to the wire, the thermal capacity per linear unit of the expansive wire and of the wire of the coil being so proportioned that, when current above a predetermined value traverses the expansive wire and coil, the former will effect the operation

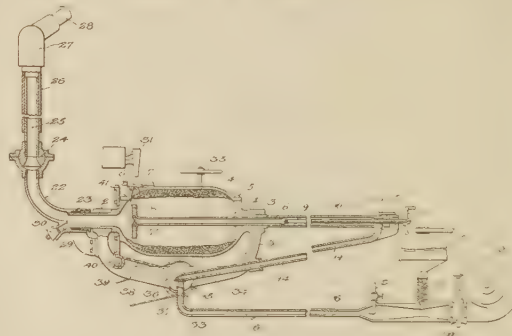
of the switch without overheating the coil and, when current above a predetermined lower value traverses the expansive wire and coil, the coil will transmit sufficient heat to the expansive wire to effect the operation of the switch before the coil becomes overheated.

1,461,371. ELEVATING TRUCK. ANDREW SONANDER, Rutland, Vt., assignor to Howe Scale Company, Rutland, Vt., a Corporation of Vermont. Filed Nov. 17, 1919. Serial No. 338,730. 3 Claims. (Cl. 254—10.)



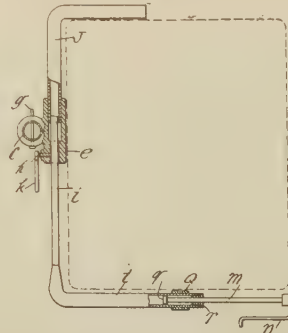
1. In a truck or the like, a vehicle frame, a second frame, rock shafts mounted on fixed parallel axes on said vehicle frame, means for oscillatably connecting said rock shafts, lever arms keyed to said rock shafts, one of said lever arms when oscillated by the other lever arm being adapted to elevate one end of said second frame and the other of said lever arms being suitably disposed to be oscillated by said second frame when an elevating movement is imparted thereto, and means for elevating the other end of said frame.

1,461,372. PROCESS OF TREATING ORE AND LIKE MATERIALS. WALTER E. TRENT, Washington, D. C., assignor to Trent Process Corporation, Washington, D. C., a Corporation of Delaware. Filed Feb. 21, 1920. Serial No. 360,452. 15 Claims. (Cl. 75—17.)



1. The method of treating ore and like materials, consisting in subjecting divided particles of ore or the like to heat treatment to place the same in adhesive condition, in projecting the treated ore upon a collecting surface to form a coherent mass and in then applying heat to the mass to smelt the ore.

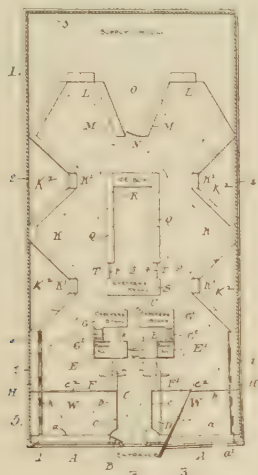
1,461,373. LUGGAGE CARRIER. JOHN W. WHITESIDE, New York, N. Y. Filed Feb. 13, 1922. Serial No. 536,151. 3 Claims. (Cl. 224—29.)



1. A luggage carrier for taxicabs and the like, comprising a supporting column, and an arm carrying bracket

adjustable on said supporting column, one arm of said bracket being adjustable, said adjustable arm also being provided with an adjustable extension.

1,461,374. SELF-SERVING STORE. LORENZO NORWOOD
ANDERSON, Hawkinsville, Ga. Filed Feb. 14, 1921.
Serial No. 444,687. 5 Claims. (Cl. 211-8.)



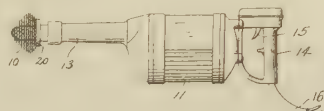
3. A self-serving store having at the front a lobby and at its front portion shelves on opposite sides of the lobby, shelves arranged in zig-zag fashion running along the side walls of the store from front to rear thereof, entrance and exit gates for the lobby, checkers' stands adjacent said gates but in rear thereof, shelves arranged in the middle portion of the rear part of the store, and another checker's stand arranged between said last-mentioned shelves and the first-mentioned checkers, said checkers' stands being accessible from either side of the store.

1,461,375. TOP FOR CONTAINERS. CHARLES S. BARON,
Tiffin, Ohio. Filed July 2, 1921. Serial No. 482,048.
9 Claims. (Cl. 221—13.)



1. The combination with a container top provided with a discharge spout, of a lid for the spout hinged to the top, and lid opening and closing mechanism comprising a gravitationally actuated bent lever hinged to the top and operative within a slot provided for it in the lid.

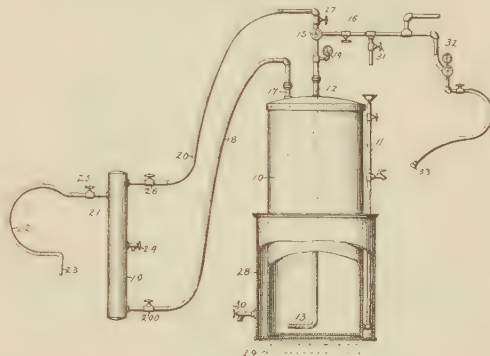
1,461,376. CUTTING BUR. FRANCIS A. BARTLETT,
Stamford, Conn. Filed Nov. 29, 1921. Serial No.
518,546. 3 Claims. (Cl. 144-219.)



1. In the art of tree surgery, means for gouging out a cavity to be filled, comprising a power driven cutting bur completely free and controllable so that it may be

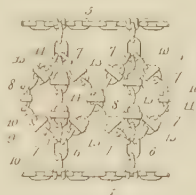
operated at various angles and is freely movable in any direction, said cutting bur comprising a plurality of spaced discs having cutting teeth on their peripheries, the discs intermediate the ends of the bur being of larger diameter than those adjacent the ends thereof to give a curved contour to the bur, and a guiding flange at the inner end of the bur of sufficient diameter and thickness to afford with relation to the contour of the bur a guiding bearing upon which the bur may be rocked to govern the penetration of the teeth.

1,461,377. GAS APPARATUS. FRANK BELLVILLE, EDWIN A. BELLEVILLE, and ROBERT S. HENDERSON, Twin Falls, Idaho. Filed Apr. 9, 1920. Serial No. 372,569. 1 Claim. (Cl. 48—190.)



In apparatus of the class described, the combination of a generating tank, a chamber, a pipe leading from said tank to the chamber to convey the contents of the tank directly to the chamber, a pipe for supplying air under pressure to the tank, a branch leading directly from said pipe to said chamber, and a blowpipe connected with said chamber for receiving therefrom the contents delivered to it by said two pipes.

1,461,378. ANTISKID DEVICE FOR VEHICLE
WHEELS. ANDREW J. BORST, Jr., Buffalo, N. Y.
Filed July 12, 1918. Serial No. 244,557. 11 Claims.
(Cl. 152—2.)

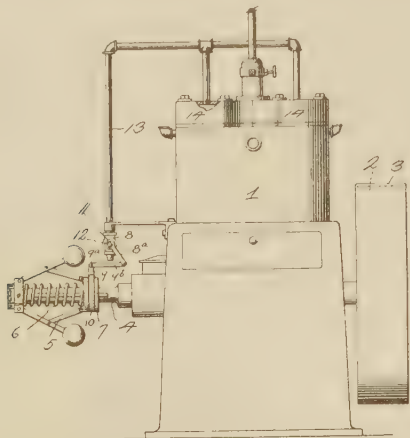


1. An anti-skid device for vehicle wheels, comprising a chain structure having tread chains, removable gripping elements secured to links of said tread chains, each gripping element comprising an elongated body portion and prongs passed through one of said links and curved around the opposite side bars thereof, and means embodied in the structure of said body portion to cause the calk to be easily removed from said link when worn to a certain extent.

1,461,379. AIR-PUMP PRESSURE-REGULATING DEVICE. HARRY BREWER, Sidney, Nebr. Filed Apr. 15, 1922. Serial No. 553,103. 2 Claims. (Cl. 230—24.)

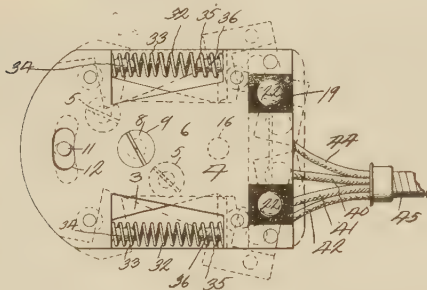
1. The combination with the cylinders of an air pump, said cylinders having a pipe connection with a relief valve which is open when the pump is not running and when the pump is moving slowly, a governor controlled collar, said governor controlled collar being slidably

mounted on the drive shaft of the pump, said relief valve being disposed adjacent said drive shaft, a lever connection between the governor controlled collar and the



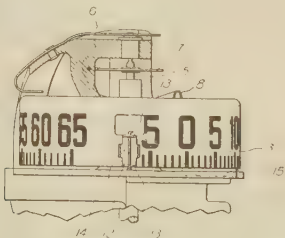
relief valve, and forming means whereby when the drive shaft rotates sufficiently to actuate the governor said relief valve will be closed.

1,461,380. PEDAL-CARRIED CIRCUIT MAKER AND BREAKER. CLAUDE F. COLE, Athens, Pa. Filed June 29, 1922. Serial No. 571,770. 3 Claims. (Cl. 200—59.)



3. A pedal carried circuit maker and breaker said circuit maker and breaker comprising a stationary plate carried by the pedal, a loosely pivoted movable plate carried by the stationary plate, springs cooperating with the opposite sides of the pivoted plate for maintaining the same normally in registration with the stationary plate, means for limiting the pivotal action of the pivoted plate, means for normally forcing said plates apart at one end thereof, and contact members carried by the plates adjacent the ends which are forced apart.

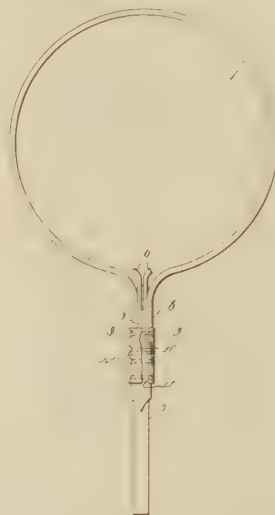
1,461,381. DAMPING DEVICE FOR INSTRUMENTS. FARNUM F. DORSEY, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 19, 1921. Serial No. 516,431. 4 Claims. (Cl. 264—13.)



1. The combination, with the rotary indicator of a speedometer or the like, and a stationary surface ad-

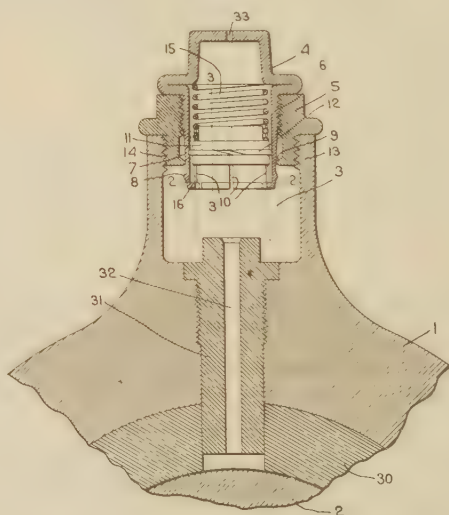
jacent thereto, of a damping device comprising a frictional drag connected with and moved by the indicator but sliding upon and supported by said stationary surface.

1,461,382. DISPATCH HOLDER. JOHN H. DOUB, Walnut, Kans. Filed Oct. 24, 1922. Serial No. 596,695. 3 Claims. (Cl. 258—3.)



1. A dispatch holder including a handle portion, integral resilient gripping fingers formed at one end of the handle portion, a hoop member having its arms secured to the handle portion, and said fingers having their outer ends curved outwardly.

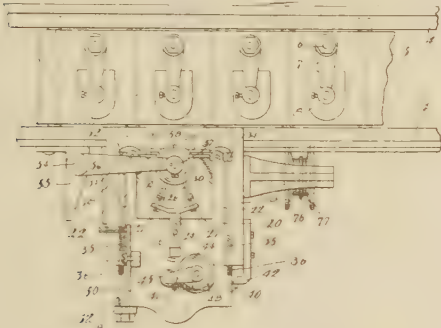
1,461,383. CAP FOR GREASE CUPS. WILLIAM H. DURANT, Somerville, Mass. Filed Oct. 3, 1921. Serial No. 504,838. 4 Claims. (Cl. 184—48.)



1. In a grease cup, the combination with a member having a grease-receiving chamber and a screw-threaded opening leading thereto and also an interior bead or rib beyond the screw thread, of a cap screw-threaded into said opening and having means to limit its inward screw-threaded movement, said cap having at its inner end an extension provided with an exterior bead, one of said beads being made expansible and contractible radially and said beads having such a position relative to each

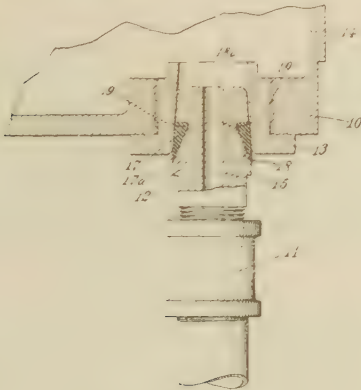
other and to the screw threads that they come into engagement and are forced past each other while the screw threads of the cap are in screw-threaded engagement with said member and just before the cap reaches the inward limit of its screw-threaded movement.

1,461,384. HEEL-BUILDING MACHINE. ARTHUR S. EVERETT, Lawrence, Mass., assignor to Page Machine Co., Inc., Haverhill, Mass., a Corporation of Massachusetts. Filed Jan. 27, 1917, Serial No. 144,883. Renewed Apr. 2, 1921. Serial No. 458,086. 18 Claims. (Cl. 12—50.)



1. In a heel building machine, a heel press, a heel form reciprocally movable between a lift-assembling position and a position in which it delivers an assembled heel to said press and having a forming member movable to permit disengagement thereof from the heel as it is withdrawn from said press, means to lock said member in forming position while the form is in said lift-assembling position, and means to unlock said member when the form is moved from said position to permit disengagement of the form from the heel while held by said press.

1,461,385. FLUID-CONDUIT COUPLING DEVICE. ABRAM E. FALOR, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1920. Serial No. 370,547. 4 Claims. (Cl. 285—161.)

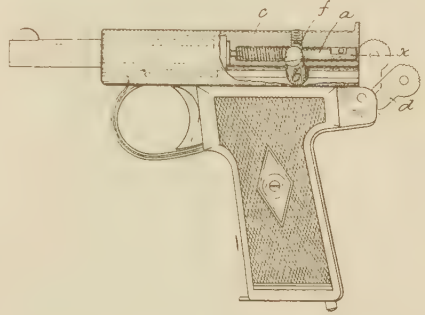


1. A fluid-conduit coupling member provided with a through fluid passage and having an externally conical portion adapted to interfit with a complemental coupling member, said portion being formed with an annular gasket-holding recess relatively shallow at its margin of greater circumference and relatively deeper at a portion of smaller circumference, and an annular soft gasket of tapered section occupying said recess.

1,461,386. BRAKE-LINING DRESSING. WILLIAM B. FALOR, Akron, Ohio. Filed Oct. 10, 1921. Serial No. 506,929. 4 Claims. (Cl. 134—13.)

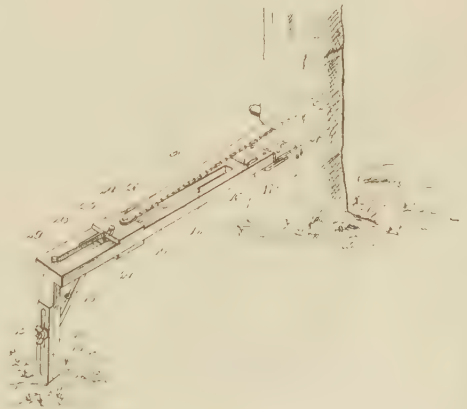
2. A dressing for brake lining and the like consisting of petroleum oil, resin and fuller's earth, substantially as described.

1,461,387. AUTOMATIC PISTOL AND OTHER SMALL ARM. JOHN WILLIAM FEARN, Birmingham, England. Filed Jan. 13, 1922. Serial No. 529,023. 2 Claims. (Cl. 42—70.)



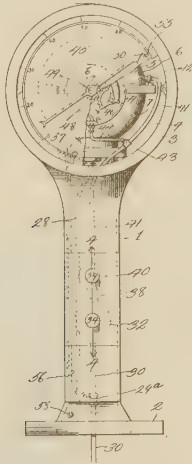
1. A striker-locking safety comprising a rotatable element which is mounted in the part that carries the striker and is provided with a cam piece engaging a recess in the said striker: the arrangement being such that when the safety element is rotated from the "off" to the "on" position, it first projects the striker beyond the reach of the hammer and then positively locks the same against movement in either direction; the striker spring being compressed during the projection so that it operates to automatically restore the striker to its normal position when the safety is taken off.

1,461,388. DRAG-SAW. FRANK FOX, Chesaw, Wash. Filed Aug. 24, 1921. Serial No. 495,016. 2 Claims. (Cl. 143—163.)



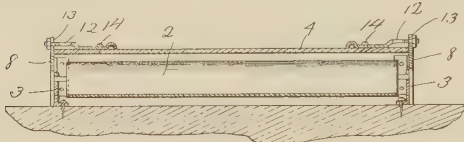
1. In a drag saw, the combination of a body bar, a head mounted upon one end thereof and provided with an arcuate slot, an anchoring plate pivotally connected to the head for adjustment laterally with respect to the bar, means carried by the plate to extend through said slot securing the plate in adjusted position, and a saw blade carried by the bar for movement longitudinally thereof.

1,461,389. AIR-DISPENSING DEVICE. CLAUD B. FRY, Yates Center, Kans. Filed Mar. 8, 1922. Serial No. 542,197. 6 Claims. (Cl. 221—73.5.)



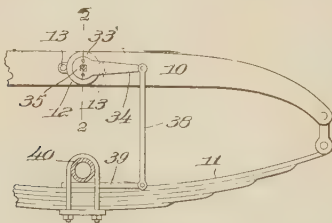
1. An air dispensing device, said device comprising a dome, upper and lower chambers in said dome, a diaphragm interposed between the chambers, means for supplying air pressure to one of said chambers at a predetermined pressure, means whereby air will be supplied to the other chamber at an equal pressure, said means being controlled by the diaphragm.

1,461,390. WINDOW-SHADE CONTAINER. GEORGE W. GRIGG, Portland, Oreg. Filed July 8, 1920. Serial No. 394,638. 1 Claim. (Cl. 156—23.)



A shade casing comprising an elongated rectangular shaped casing adapted to be disposed over a shade, the front side of said casing being removable, the ends of the casing extending beyond the front side thereof and provided with notches, said front side of the casing having threaded bolts longitudinally adjustable thereon adjacent its ends, said bolts being received in said notches and nuts threaded on said threaded bolts and engaging the outer faces of the ends of said casing, the upper and lower sides of the casing being also removable, thereby allowing access to the curtain from above or below the casing.

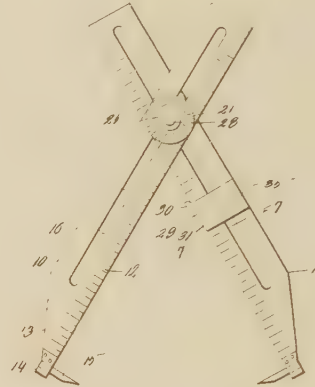
1,461,391. SHOCK ABSORBER. AUGUSTUS E. GUERTIN, Belmont, Mass. Filed Apr. 18, 1922. Serial No. 554,838. 3 Claims. (Cl. 188—89.)



1. In a shock absorber of the class described, a stationary receptacle having a stud fast therewith; a revoluble member, the main body of which is enclosed in said receptacle, said member having an internally threaded bore; a travelling partition slidably mounted on said

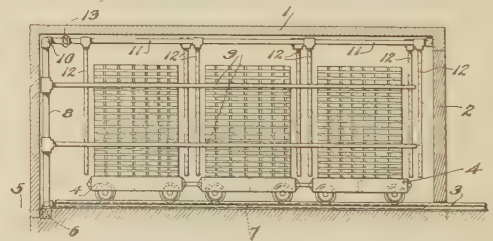
stud in said bore, having threads on the periphery thereof adapted to engage said internally threaded bore; a chamber on each side of said partition; a by pass in said stud adapted to communicate with said chambers; means to fill said chambers; a lever fast with said revoluble member; a link pivoted to said lever at one of its ends; and an anchor member to which the other end of said link is pivoted.

1,461,392. COMBINATION TOOL. OLE INGSTEAD, Lowell, Mass. Filed Nov. 4, 1921. Serial No. 512,881. 2 Claims. (Cl. 33—102.)



1. A combination tool comprising a pair of pivoted arms each being provided with a longitudinally extending slot, articulator means extending through the slots for pivotally connecting the arms, a slide associated with one arm and including a pair of plates each having a rib mounted in the slot of its respective arm, a set screw for associating the plates with the arm, and each plate being equipped with a right angular extension which is disposed flush with a longitudinal edge of the arm with which it is associated.

1,461,393. APPARATUS FOR DRYING LUMBER. RICHARD F. JENKINSON, Tuscaloosa, Ala., assignor of one-half to James S. Free, Tuscaloosa, Ala. Filed Oct. 16, 1922. Serial No. 594,799. 3 Claims. (Cl. 34—19.)

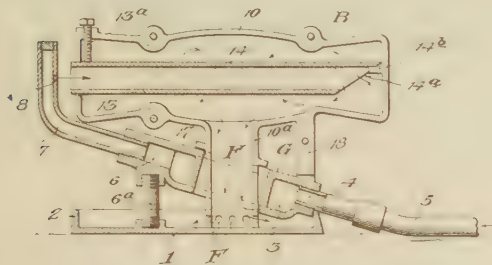


1. A drying kiln, comprising a drying room, heating means arranged in the room in position to direct its heating medium substantially upon all sides of the lumber, said means including nozzle pipes, certain of said pipes being free to swing laterally to facilitate introduction into and removal of lumber from the room.

1,461,394. GASEOUS-FUEL BURNER. BONIFACE R. KLOEB and JOSEPH A. KLOEB, Hoboken, N. J. Filed Aug. 14, 1922. Serial No. 581,810. 5 Claims. (Cl. 158—61.)

1. A gaseous fuel-burning device including a hollow burner having a depending flue portion, a superheater

tube arranged within the hollow burner, a hollow ring-like generator surrounding said depending flue, a vapor-



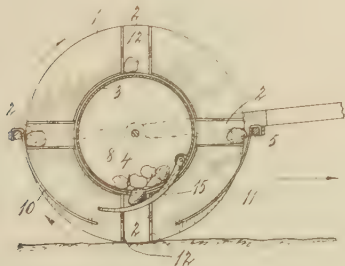
ized fuel feed pipe communicating with the generator and having a jet orifice disposed in discharging relation to one end of the superheater tube.

1,461,395. COMBINED READING GUIDE, PAPER CUTTER, AND BOOK MARK. OTTO J. KRAEMER, Portland, Oreg. Filed Nov. 8, 1921. Serial No. 513,856. 2 Claims. (Cl. 120—1.)



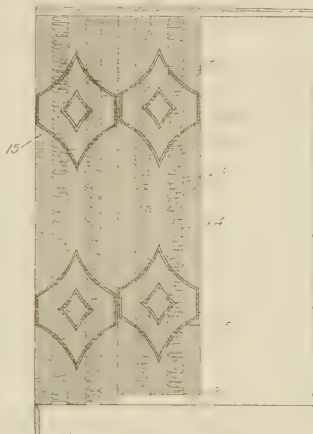
1. In a device of the kind specified, the combination with a handle, of a straight-edge in the same plane with the handle and disposed substantially at right angles to the longitudinal axis of the handle, and a member projecting from the surface of the handle, substantially at right angles thereto, to constitute a thumb-piece or stop.

1,461,396. POTATO-PLANTING MACHINE. HAAKON SIGVART LARSEN, Christiania, Norway. Filed June 5, 1922. Serial No. 566,044. 3 Claims. (Cl. 221—135.)



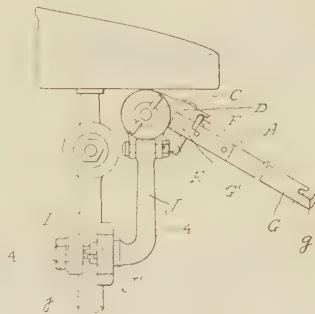
1. In a potato planting machine a rotating wheel, a stationary cylindrical receptacle for potatoes mounted co-axially within the said wheel, radial potato feeding channels in the said wheel, an outlet opening for potatoes in the bottom of the receptacle, said radial channels registering successively with said outlet opening during the rotation of the wheel, so as to receive potatoes from the receptacle.

1,461,397. WALL PAPER. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 4, 1921. Serial No. 434,940. 3 Claims. (Cl. 92—69.)



1. A longitudinally stretchable wall paper having designs printed thereon and capable of being stretched to cause the designs on one strip to match those on an adjoining strip, said paper being transversely crinkled or corrugated to permit the necessary stretching.

1,461,398. WINDSHIELD VISOR. JOSEPH B. McMULLEN, Catonsville, Md., assignor to Acme Motor Shield Corporation, Baltimore, Md., a Corporation of Delaware. Filed Feb. 7, 1921. Serial No. 442,906. 13 Claims. (Cl. 296—95.)



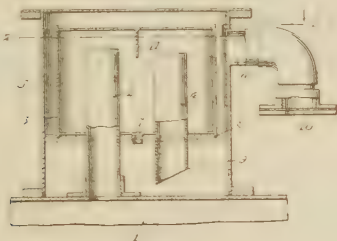
13. A windshield visor and supporting means therefor comprising, in combination, a visor, supporting arms attached to the ends of said visor in fixed relation to the length thereof, clamping means adapted to be secured upon the supports of a windshield and supporting each arm, the means for attaching the visor to the arms and the mounting of the arms upon the clamping means being such that the latter may be secured upon windshield supports of varying spacing.

1,461,399. COMBINATION BILLING SYSTEM. ROY V. NEWSHAM, Oakland, Calif. Filed June 29, 1922. Serial No. 571,594. 1 Claim. (Cl. 282—27.)

A combination bill system comprising in combination, a bill sheet adapted to be folded and written upon to leave an original and two carbon copies of a business

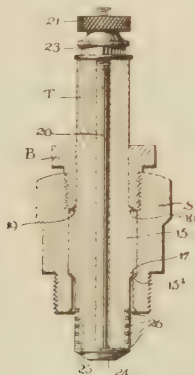
be mounted on the cradle of the piece of artillery and acting upon the said regulating element, the said cam having the same length as the recoil stroke of the cannon, a bevel gear mounted on the axle of the said cam, a toothed quadrant secured to the carriage of the piece of artillery, and gear wheels connecting the said quadrant with the said bevel gear, the said quadrant having a non-toothed portion whereby the same shall be prevented from acting except after a stated value of the aiming angle is reached, the non-toothed portion having a greater radius than that of the bottom of the teeth.

1,461,404. AUTOMATIC VALVE. PEDRO ROTH, Buenos Aires, Argentina. Filed July 15, 1922. Serial No. 575,389. 1 Claim. (Cl. 137—53.)



An automatic hydraulic valve for tanks and the like containing liquids of easy evaporation such as crude oils, naphtha, alcohols and the like, consisting of a tube communicating at its lower end with a storage tank and having its upper end enclosed within a chamber, and a second tube which effects communication of said chamber with a second outer chamber which has an opening to the atmosphere and is adapted to contain a liquid up to at least the level of the lower opening of the said second tube, the bottom of the first named chamber having an opening of reduced cross sectional area communicating with the second named chamber, substantially as described.

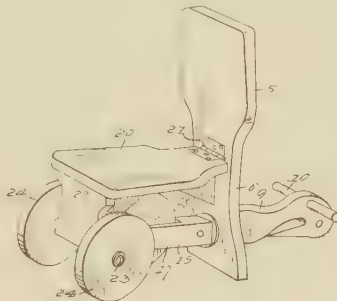
1,461,405. SPARK PLUG. JOSEPH SIMON SOLOMON, Evansville, Ind. Filed Dec. 16, 1920. Serial No. 431,134. 2 Claims. (Cl. 123—169.)



1. A spark plug comprising a metallic sleeve, having an annular shoulder extending inwardly from the inner wall thereof at an appreciable distance from the lower end, a tube of insulating material embraced by the portion of the sleeve located above the said shoulder and having the lower portion thereof spaced from the confronting portion of the inner wall of the metallic sleeve in such manner as to provide an annular air gap extending for an appreciable distance from the lower end of the metallic sleeve, said tube being of sufficient length to depend below the lower end of the sleeve, a stem ex-

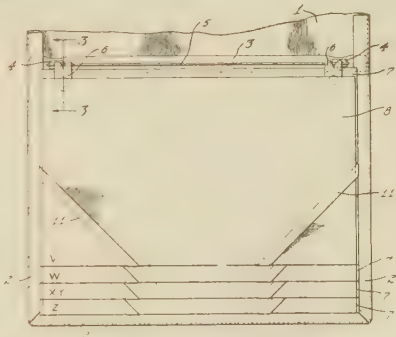
tending through the tube, means at the upper end of the stem for sustaining the stem within the tube, a main electrode secured to the lower end of the stem, and a plurality of auxiliary electrodes seated within the periphery of the depending end of the tube, the auxiliary electrodes being spaced apart from one another and from the main electrodes by integral portions of the insulating tube, with the uppermost auxiliary electrode arranged in spaced relation to the lower end of said sleeve to provide a spark gap and with the peripheral face of each auxiliary electrode flush with the peripheral faces of the adjacent portions of the insulating tube.

1,461,406. COMBINED COASTER AND CHAIR. TILDEN J. STONE, Lenoir, N. C. Filed Oct. 2, 1922. Serial No. 591,934. 4 Claims. (Cl. 208—165.)



1. In a combined coaster and chair, a rigid member including a coaster seat, a wheel supported element connected to the member, means for guiding the wheel, a chair seat, means for hingedly connecting the chair seat to the under side of the said member, and a wheel supported member connected to the said seat.

1,461,407. CARD INDEX. SILAS EDGAR TROUT, Philadelphia, Pa. Filed July 27, 1922. Serial No. 577,882. 1 Claim. (Cl. 129—16.)

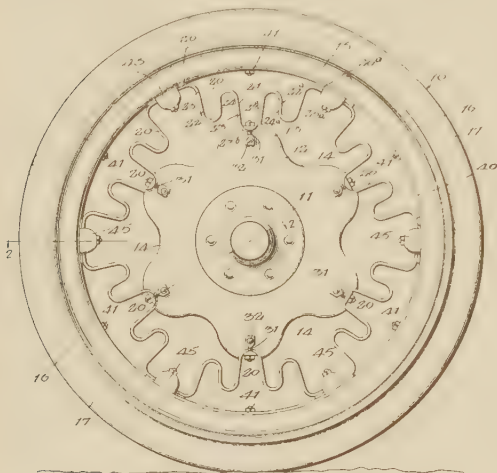


A card index comprising a carrying frame having flanged portions constituting a bearing and support for card-carrying strips; a strip having ends adapted to be disposed under the flanged portions of the frame; bales disposed on said strip and constituting bearings for a card-carrying member; a card-carrying member mounted on said bales, said member having portions extending in spaced relation to the body thereof; a card-carrying clip adapted to pivotally bear on a portion of the card-carrying member; and a card-carrying support adapted to be attached to the clip.

1,461,408. SPRING WHEEL. GEORGE WILBER WATTS, Hot Springs, Ark. Filed Nov. 9, 1922. Serial No. 599,914. 4 Claims. (Cl. 152—28.)

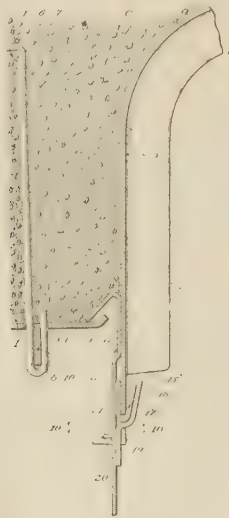
1. In a spring wheel, a hub, a body portion secured thereto, a felly, a ring carrier, means for securing the

ring carrier to the felly, a plurality of springs interposed between the ring carrier and the felly, each of said springs including a main U-shaped member, and a small U-shaped member arranged at each side of the main U-shaped member, the legs of the main U-shaped member being connected with one leg of each small U-shaped member, the other legs of the small U-shaped



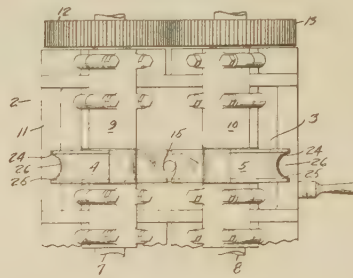
members being extended and being curved to constitute attaching ends and being disposed flush against the ring carrier, means for fastening the curved body portion of each main U-shaped member to the body portion of the wheel, and a common means for securing the adjacent attaching ends of the springs to the ring carrier.

1,461,409. STEEL FORM FOR CONCRETE CONSTRUCTION. HERBERT E. WHITE, Youngstown, Ohio, assignor to Trucson Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Aug. 15, 1921. Serial No. 492,268. 8 Claims. (Cl. 25—131.5.)



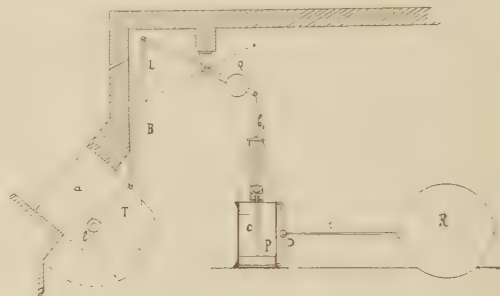
4. Forms for concrete construction including a base plate adapted to be supported below the beam, a hanger member having adjustable suspension upon an edge portion of the base plate, and a form supported by said hanger.

1,461,410. NUT-SHELLING MACHINE. JAMES H. ALDRICH, Oakland, Calif. Filed Sept. 20, 1921. Serial No. 501,994. 13 Claims. (Cl. 146—3.)



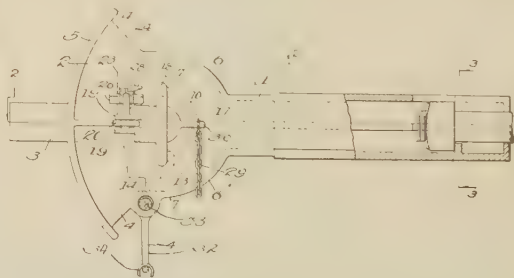
1. A nut shelling machine comprising a stationary member upon which a nut is adapted to be supported on an end, and means exerting a gradually increasing pressure against substantially opposed points at the middle portion of the sides of the nut.

1,461,411. TRAPDOOR FOR STORAGE AND DELIVERY APPARATUS. LOUIS CHARLIER, Jemeppe-sur-Meuse, Belgium. Filed June 27, 1921. Serial No. 480,879. 2 Claims. (Cl. 221—144.)



1. A closure device comprising, a pivoted closure hood, a counterweight normally biasing the hood to closed position, a motor for moving the hood to open position, and a beam carrying said counterweight and operatively connecting the hood and the motor.

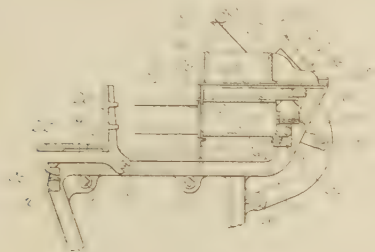
1,461,412. TRAILER COUPLING. CHARLES G. CLEMENT, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Filed Oct. 22, 1919. Serial No. 332,863. 3 Claims. (Cl. 280—33.15.)



1. The combination of a draft member having a transverse bore; a coupling head having spaced walls to receive said draft member with apertures positioned to register with said bore and a coupling pin adapted to occupy said apertures and the bore of the draft member, said coupling head having an apertured rib exteriorly formed adjacent the aperture of one wall, the coupling pin having a pair of ribs positioned to extend at opposite

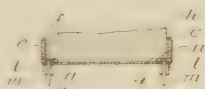
sides of said rib on the head, all three ribs having apertures arranged to register when the coupling pin is in operative position, and a spring-pressed plunger carried by the coupling pin in position to penetrate said registered apertures for removably locking the pin in position.

1,461,413. CONCRETE-BLOCK MACHINE. ROBERT S. COHOON, Orlando, Fla., assignor to Southern Cement Machine Company, Orlando, Fla., a Corporation of Florida. Filed Mar. 18, 1922. Serial No. 544,711. 7 Claims. (Cl. 25—41.)



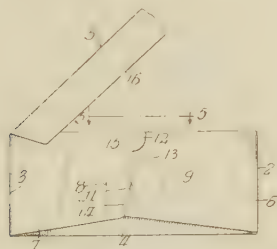
1. A concrete block machine comprising a mold having movable sides; cams on said sides; and adjustable cams adapted to engage the first-mentioned cams for locking the movable block sides against spreading.

1,461,414. MACHINE FOR MAKING BOXES. ARTHUR V. COSTER, London, England, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed June 17, 1922. Serial No. 568,898. 7 Claims. (Cl. 93—47.)



1. In a machine for making box trays from blanks, each blank comprising a bottom portion having end and side extensions and corner pieces, the combination with means for folding a blank into tray form with the corner pieces within the folds of the adjacent extensions, of means for punching inwardly projecting tongues from the blank in position to fasten the folded extensions against the corner pieces.

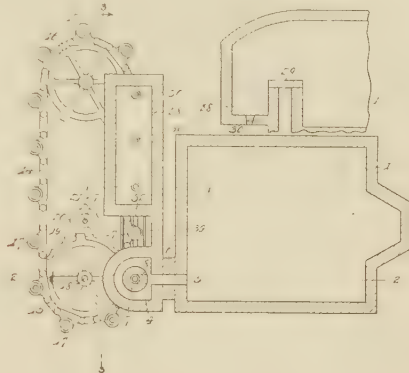
1,461,415. CARTON. FRANK B. DAVIDSON, Marseilles, Ill., assignor to National Biscuit Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 28, 1922. Serial No. 532,509. 8 Claims. (Cl. 229—35.)



1. A carton having a bottom wall, and upright front, rear, and side walls foldably connected with said bottom wall, two opposite of said upright walls having end flaps overlapping the other of said upright walls on the outside thereof, said flaps having their ends meeting and terminating short of the upright walls toward which they extend, said flaps having means at their meeting ends for interlocking the flaps together and holding all portions

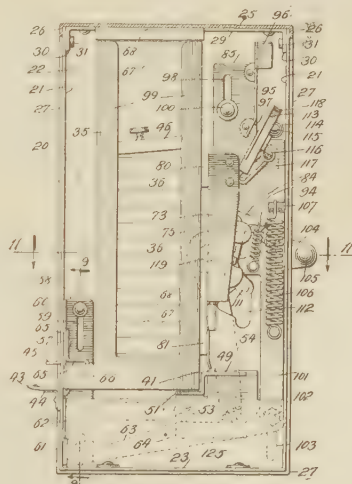
of the flaps along their meeting ends, including their upper and lower edges, in the plane of said flaps, said locking means being engaged and disengaged without bending said flaps by moving the flaps relatively to each other in the plane of the same.

1,461,416. APPARATUS FOR THE MANUFACTURE OF GLASSWARE. PHILLIP EBELING, Bellaire, Ohio. Filed Sept. 9, 1921. Serial No. 499,484. 21 Claims. (Cl. 49—1.)



10. The combination with a glass melting tank, of an intermittently actuated carrier, molds borne by said carrier, automatic means for flowing glass from said tank, shearing mechanism arranged to sever charges from the flow for deposit in the molds, means cooperating with said molds for pressing said charges into ware form, valves in the bottoms of said molds, means whereby said valves are raised for elevating the ware within the molds, and means for reheating the ware while the latter occupies elevated position, said reheating means embodying openings through which heat from the tank is directed upon the ware.

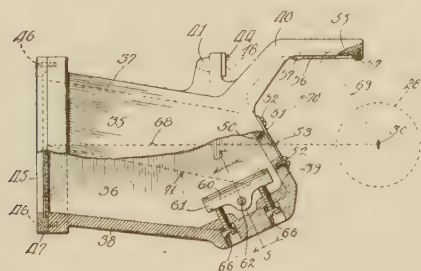
1,461,417. COIN-CONTROLLED VENDING MACHINE. HARVEY GILES, Brooklyn, N. Y. Filed Mar. 20, 1920. Serial No. 367,534. 4 Claims. (Cl. 211—8.)



1. In a coin-controlled vending machine, an exterior casing having a coin-entrance-slot and a discharge opening for sold merchandise, and a vertical tray mounted within said casing adapted to hold a stack of pieces of merchandise and permit the discharge of said pieces one at a time in a lateral direction from the lower end of said tray into said opening, in combination, a horizontally slidable goods ejector at the lower end of said tray and

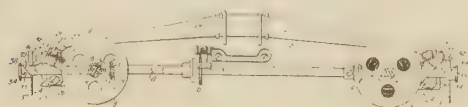
adapted to be slid against the lower piece of merchandise therein and move the same into said opening, a vertically slidable shutter normally closing said opening, an exposed operating handle capable of movement on the introduction of a coin into the machine, means including a sliding plate intermediate said handle and said shutter for operating therefrom said shutter, means intermediate said plate and said goods ejector for actuating therefrom said ejector, a spring for automatically restoring said ejector, shutter and handle to their respective normal positions, and a supplemental spring secured at one end to said plate and at its other end to said ejector operating means at a part thereof having a free bearing against said plate and normally acting under its initial tension to ensure the movement of said ejector operating means with said plate, said spring being adapted on a given resistance to the movement of the ejector and the continuance in movement of said plate to become extended and on the opening of said shutter to expend its stored up force against the said ejector whereby to exert a sudden impetus against the piece of merchandise then in process of being discharged.

1,461,418. FOCUSING FINDER FOR LANTERNS. CLINTON O. HARRINGTON, Chicago, Ill., assignor to Aldobilt Company, Chicago, Ill., a Corporation of Illinois. Filed June 2, 1921. Serial No. 474,543. 10 Claims. (Cl. 88—14.)



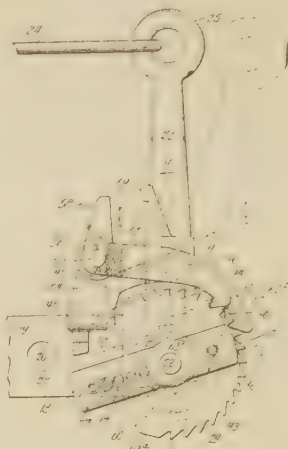
1. In a finder of the character described adapted to be positioned closely adjacent to a source of light to indicate relative positions of such source, the combination of a relatively small chart having markings associated therewith adapted to indicate relative locations of relatively small light spots thereon, and means for projecting upon the chart two relatively small shafts of light from a given relatively small source, with said shafts issuing from such source with a materially large angle between them, for defining two relatively small spots of light on the chart for indicating a relative position of the source of light.

1,461,419. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Sept. 14, 1922. Serial No. 588,141. 11 Claims. (Cl. 197—161.)



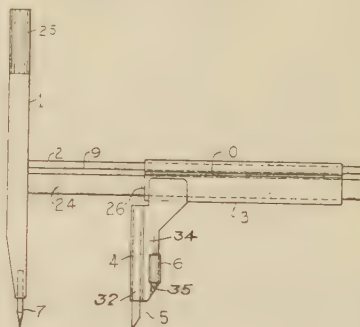
1. In a ribbon reversing mechanism for typewriting and like machines, the combination of a longitudinally shiftable ribbon reversing shaft and detent mechanism therefor comprising a circumferential cam on said shaft, sliding detents arranged on opposite sides of said shaft and co-operative with said cam, and a yoke shaped floating spring coacting at its ends with said detents and forcing them towards each other and towards the axis of said shaft.

1,461,420. ADJUSTING MECHANISM ADAPTED FOR LINE CONTROL. LUDWIG HOLLAND-LETZ, Oak Park, Ill. Filed Jan. 29, 1921. Serial No. 440,835. 17 Claims. (Cl. 74—54.)



11. In a tractor, the combination with an engine, of a throttle valve controlling the speed thereof, a reciprocating element connected to said valve, a flexible member, and connections between said flexible member and reciprocating element whereby by repeatedly pulling the flexible member the throttle valve may be opened and closed to any desired extent.

1,461,421. DRAWING INSTRUMENT. GEORGE J. HOOD, Lawrence, Kans. Filed Jan. 30, 1919. Serial No. 274,057. 15 Claims. (Cl. 33—27.)

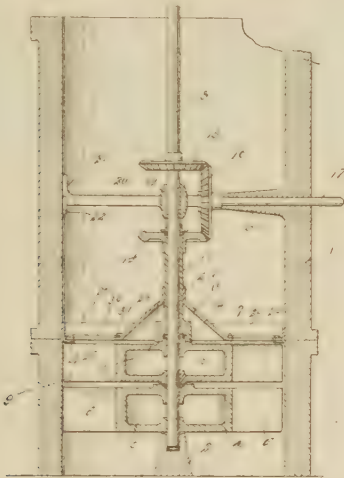


1. A drafting compass comprising a post having a pointed end and a body portion adapted to be grasped by the hand for rotating the same, a beam attached medially to said post at right angles thereto, an extended slide resiliently clamping against the sides of said beam, but freely slidable and laterally immovable thereon, and a marking instrument on said slide.

1,461,422. WATER TURBINE. THOMAS J. JOLLY and WILLIAM F. FITZPATRICK, Ulysses, Nebr. Filed May 2, 1922. Serial No. 557,893. 1 Claim. (Cl. 253—16.5.)

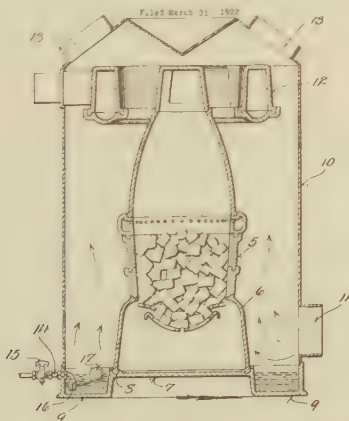
In a water turbine, a vertical casing having the upper end formed to provide a water inlet and the lower end formed to provide a water outlet, a vertical shaft in said casing at the center thereof, a water wheel fixed upon said shaft adjacent to the lower extremity thereof and comprising a hub and blades radiating from the hub and pitched in a direction to rotate the wheel in one direction, a second water wheel loosely mounted upon said shaft above the first named water wheel and

comprising a hub and blades radiating from the hub and pitched in a direction reverse to the direction of the blades of the first water wheel, whereby the second named water wheel may be rotated in a direction opposite to that of the first named water wheel, a sleeve loosely surrounding said shaft, a connection between the lower end of said sleeve and the second mentioned water wheel, a power shaft, driving connections between said power shaft and the first mentioned shaft and said sleeve, a valve mechanism for regulating and controlling the flow of water to said water wheels, said valve mechanism comprising a stationary plate formed with radial slots and a movable plate mounted upon said stationary plate and formed with radial slots adapted to be moved



into and out of registration with the slots in said stationary plate including a rack on the upper surface of the latter and a horizontal operating shaft extending through the casing and having a pinion on its inner end meshing with said rack, mechanism for adjusting said movable plate, a flanged ring secured to the inner surface of said casing and acting to support the outer margin of said stationary plate; and a cone-shaped member integral with the central portion of said stationary plate and surrounding said first mentioned shaft and formed with a peripheral groove at the lower larger end thereof to receive the inner edge of said movable plate.

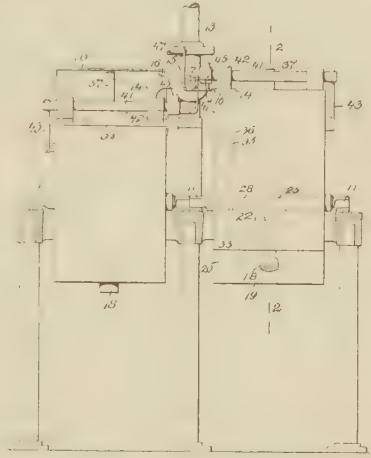
1,461,423. HUMIDIFIER FOR HOT-AIR FURNACES. RICHARD E. KELM, Milwaukee, Wis. Filed Mar. 21, 1922. Serial No. 545,106. 2 Claims. (Cl. 126-113.)



2. The combination of a trough containing water, a cylindrical housing carried by the outer wall of the

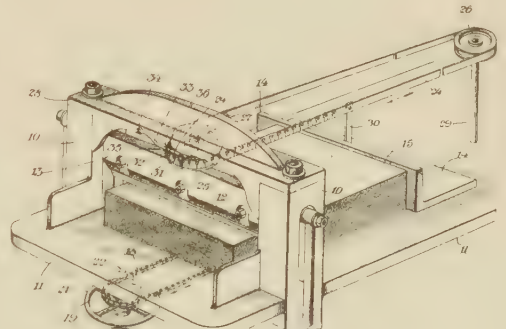
trough, a fire pot, an ash pit, a bottom for said ash pit carried by the upper part of the inner wall of said trough, said bottom having dead air space below to prevent the absorption of heat beneath said ash pit.

1,461,424. LIQUID-MEASURING MACHINE. WENZEL W. LEINERT, New York, N. Y. Filed Nov. 12, 1921. Serial No. 514,637. 4 Claims. (Cl. 249-1.)



1. A liquid measuring machine comprising a tilting tank having an outlet therein, a valve to close the outlet, a float to raise the valve, means for holding the float submerged, and a tripping device operated by the tilting of the tank to release the holding means.

1,461,425. PAPER-CUTTING MACHINE. EDWARD R. LINEBAUGH, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed June 15, 1921. Serial No. 477,618. 3 Claims. (Cl. 164-59.)

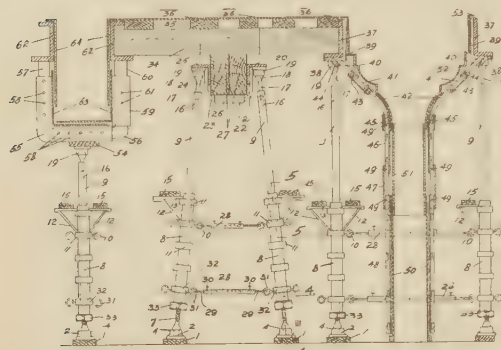


1. In a paper cutting machine having a knife, an adjustable back gage, means for adjusting said gage in relation to the knife, and a graduated measuring tape movable concurrently with said gage, two index members supported independently of and arranged in close relation to the tape so as to overlie the advancing graduations of the tape, and means whereby adjustment of said members in spaced parallel relation to each other can be effected.

1,461,426. APPARATUS FOR BUILDING CONSTRUCTION. MARYAN L. LISOWSKI, Cranford, N. J. Filed Sept. 8, 1919. Serial No. 322,453. 5 Claims. (Cl. 25-131.5.)

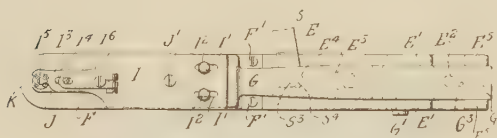
5. Apparatus for use in constructing frame-work for cement buildings comprising a plurality of telescopic stanchions; means for adjusting the sections of the

stanchions relatively to vary the length of the latter; means at the bottom of the stanchions for supporting and holding the same from slipping; means at the top of the stanchions for connecting the same in pairs, said means including a U-shaped support made up of a plurality of sections and means for adjusting the sections



relatively to vary the distance between the tops of the stanchions; bracing means rigidly connecting the stanchions between their ends; and means for adjusting the length of the bracing means correspondingly with the width of the top connecting means.

1,461,427. SNAP-FASTENER CLAMP FOR SEWING MACHINES. MICHAEL McCANN, Glenmorris, N. Y., assignor to Frederick Osann Company, New York, N. Y., a Corporation of New York. Filed July 15, 1919. Serial No. 311,006. 2 Claims. (Cl. 112-114.)

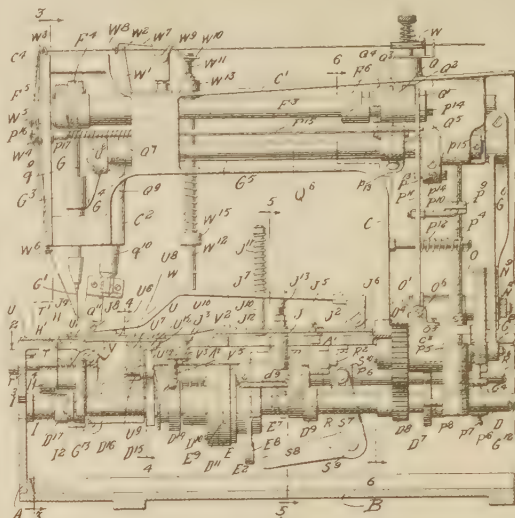


2. In a sewing machine a clamp holding lever having a clamping finger at its end, in combination with a positioning finger secured on the lower side of the clamping finger formed with a slotted end having shoulders to position a fastener and inwardly extending ledges to support its edges, said fingers being pressed toward each other by resilient means, resilient means pressing the clamp holding lever toward the cloth, means for elevating said lever and the fingers carried by it at will, and means actuated by the raising of said lever to press apart the fingers.

1,461,428. SEWING MACHINE. MICHAEL McCANN, Glenmorris, N. Y., assignor to Frederick Osann Company, New York, N. Y., a Corporation of New York. Filed Sept. 23, 1919. Serial No. 325,710. 17 Claims. (Cl. 112-73.)

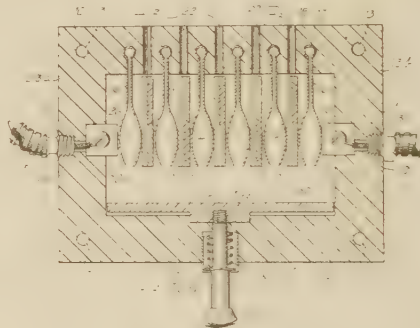
1. In a sewing machine having a laterally movable needle bar and coating stitch forming mechanism, the combination therewith of cam controlled mechanism for regulating the lateral movements of the stitch-forming mechanism so that it will in connection with the cloth feeding mechanism periodically form stitches in an intermediate straight line and in zig zag lines, a cloth

clamp and cam controlled mechanism for moving said cloth clamp in one direction while the stitch forming



devices are in position to form a straight line of stitches and in reverse direction while the stitch forming devices are in position to form zig zag stitches.

1,461,429. ELECTRIC COMBINATION SWITCH FOR AUTOMOBILES. WILLIAM B. MARKS, Waterbury, Conn. Filed Jan. 18, 1922. Serial No. 530,158. 21 Claims. (Cl. 200-43.)



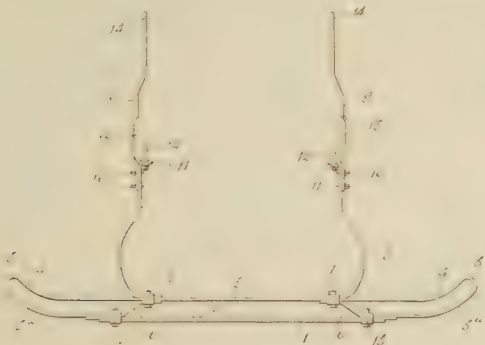
1. In a combination electric switch, a casing, a pair of terminals in said casing, a series of conductive springs between said terminals, and a series of reversible plungers loosely carried in said casing between said springs for electrically connecting said springs to each other and to the terminals for closing the circuit through said switch, said springs serving to guide said plungers.

1,461,430. SINGLETREE. JAMES W. MONTGOMERY, Thomasville, Ga. Filed June 7, 1922. Serial No. 560,520. 1 Claim. (Cl. 278-115.)



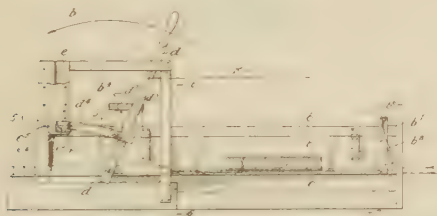
A single-tree formed of a bent metal plate having trace hooks mounted at its ends and having at its center a swivel lug mounted rigidly in the bend of the plate, a horizontal swivel pin mounted to turn in the front end of said lug, the forward end of said pin being flattened and provided with an eye, a pair of lapper hooks having their ends flattened in a plane at right angles to the plane of the hook and perforated, and a pivot bolt connecting said hook ends to the end of the swivel pin.

- 1,461,431. AUTOMOBILE BUMPER. WILLIAM T. MORRIS, Brooklyn, N. Y., assignor to American Chain Company, Inc., a Corporation of New York. Filed Nov. 4, 1922. Serial No. 598,978. 3 Claims. (Cl. 293—55.)



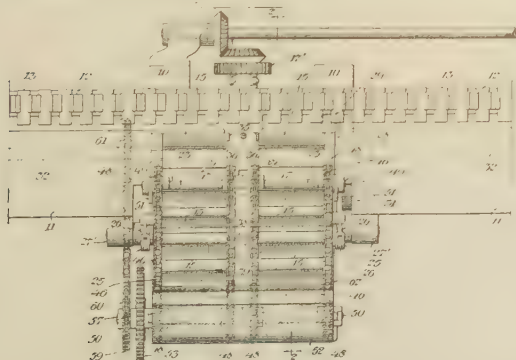
1. A bumper for automobiles comprising two central impact receiving members one extending above and the other below the medial plane of the bumper, and a rear bar curved slightly rearwardly at both ends and then reversely curved to continue parallel with itself, the two ends then continuing diagonally to meet the said rear bar, and means for clamping the several parts together.

- 1,461,432. GAME APPARATUS. CHRIST PAPOUCHIS, Far Rockaway, N. Y. Filed May 7, 1921. Serial No. 467,756. 4 Claims. (Cl. 235—98.)



1. The combination of an indicating device comprising a carrying reel and a plurality of number plates mounted thereon, a drum mounted on the same axis as the carrying reel but independently thereof and having a pawl for engagement with the reel, means to rotate the drum in a forward direction to rotate the reel to its initial position and means to rotate the drum reversely to its initial position.

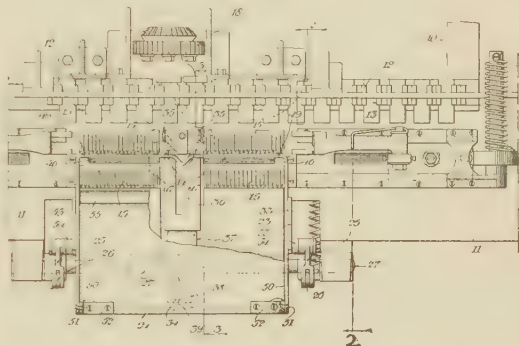
- 1,461,433. MACHINE FOR MAKING MATCH BOOKS. MICHAEL PARIDON, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 9, 1922. Serial No. 527,855. 6 Claims. (Cl. 93—2.)



1. In a book-match machine having match-strip cutting mechanism, a plunger, means for reciprocating said

plunger to position match-strips in the cutting path, and a table from which match strips are delivered to the plunger, the combination with said table and plunger, of strip-feeding mechanism comprising an element whereby match-strips are deposited in an orderly manner on said table and then fed successively therefrom to and upon the plunger, and means for actuating said element in cooperative relation to the plunger.

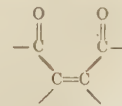
- 1,461,434. MACHINE FOR MAKING MATCH BOOKS. MICHAEL PARIDON, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1922. Serial No. 539,560. 5 Claims. (Cl. 93—2.)



1. In a book-match machine, the combination with a support for a pile of match strips, a strip cutting mechanism, a plunger, and means for reciprocating said plunger to eject the lowermost strip or strips from the pile and position such strip or strips in the cutting path, of a strip barrier movable into and from the path of the plunger, said barrier being located above the support and forwardly of the cutting mechanism, and means for raising said barrier at predetermined intervals to provide a throat for the passage of the strip or strips to the cutting path.

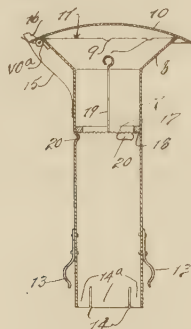
- 1,461,435. INDIGOIDIC DYESTUFFS AND PROCESS OF MAKING SAME. HERMANN STAUDINGER, Zurich, HANS VERAGUTH and RICHARD TOBLER, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Nov. 11, 1922. Serial No. 600,405. 16 Claims. (Cl. 260—48.)

16. As new products, the hereinbefore described vat dyestuffs from beta-thionaphthisatine and a complex composed of a heterocyclic five atom annulus as carrier of a methylene group capable of reacting and condensed with an aromatic radical which may carry still further substituents, which constitute dark powders soluble in sulfuric acid of 98 per cent with brown-violet to blue-green coloration, dyeing wool and cotton in the hydrosulfite vat liquor of fast red to brown tints and having a constitution characterized by the following atom grouping with two symmetrical members



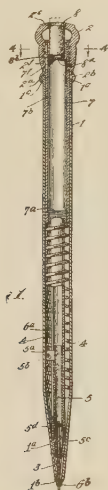
the first member of which is coupled to the 1-position and to the sulfur atom of the beta-thionaphthol radical, whilst the second member belongs to a heterocyclic five atom annulus, condensed with an aromatic radical, which may carry still further substituents, said dyestuffs being in the form of halogen compounds.

1,461,436. OIL CAP. FERDIE ARRIGONI, New York, N. Y. Filed July 12, 1922. Serial No. 574,487. 1 Claim. (Cl. 220—86.)



In an oil cap, an elongated tube, an outwardly flared flange carried thereby at one end thereof, a spring resisted cover for said tube at the flared end thereof, spring clips carried by the tube to engage an oil spout, said tube being split at one end to provide yieldable tongues.

1,461,437. PENCIL. OBED C. BILLMAN, Cleveland, Ohio, assignor of one-half to Harvey H. Troxel, Wooster, Ohio. Filed July 28, 1919. Serial No. 313,791. 21 Claims. (Cl. 120—18.)

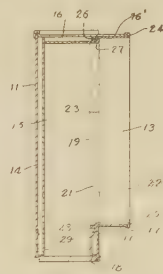


1. In a propeller pencil, a tubular pencil body provided at its top with an annular beading, a tubular propeller member rotatable in said pencil body, an eraser in said propeller member, a finger cap protecting said eraser and detachably connected to said propeller member, and means for detachably and rotatably securing said cap and propeller member to said annular beading of said pencil body.

1,461,438. ADJUSTABLE HEAD FOR PIPES. CHARLES M. BULLER, Milwaukee, Wis., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 12, 1921. Serial No. 468,942. 5 Claims. (Cl. 137—75.)

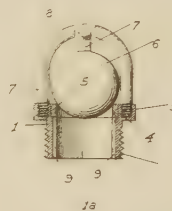
1. An adjustable head for pipes, comprising a rectangular casing having double walls with a side open-

ing and an opening at one end, and an angular U-shaped member slidably adjustably connected to and extending



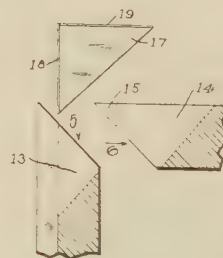
between the double walls of the side portion of the casing provided with the side opening for adjusting the width of the side opening.

1,461,439. CHECK VALVE. WALDO W. BURGIN, Lodi, Calif. Filed Apr. 12, 1921. Serial No. 460,707. 1 Claim. (Cl. 251—167.)



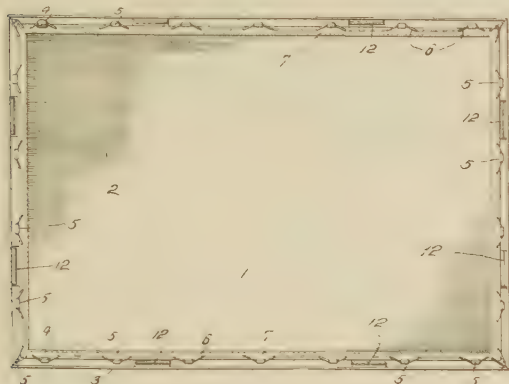
A check valve including a tubular body, a closure member for the body, and a ring removably fitted into one end of the body, the inner peripheral edges of the ring being adapted to either at a time form a seat for said closure member the body-bore being provided with longitudinal slots extending to the ring from the opposite end of the body.

1,461,440. CORNER JOINT FOR FRAMES. LORENZO R. CENTERBAR, Fitchburg, Mass. Filed Feb. 17, 1922. Serial No. 537,816. 4 Claims. (Cl. 20—92.)



1. As an article of manufacture, a frame comprising a vertical member having a groove along the outer surface thereof and a horizontal member, said members having a mitre joint between them and being glued together along the same, and being provided with a continuous slit of triangular form extending from the bottom of the groove in the upright member, to the outer surface of the horizontal member, and being provided with a strengthening piece of metal extending through said slit and having flanges engaging the outer surface of the horizontal member and the bottom of said groove.

- 1,461,441. WINDOW SCREEN. AMY E. DAVIS, New York, N. Y. Filed Jan. 29, 1920. Serial No. 354,953. 4 Claims. (Cl. 156—14.)



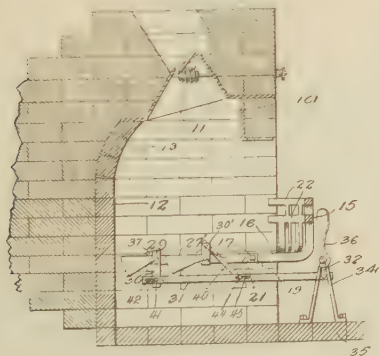
3. A frame with hooks, a screening means with a hem at its edges, a drawing string passing through the hem and having exposed portions passing over the hooks so as to hold the screening means in place, and said frame comprising means for permitting it to expand.

- 1,461,442. GARMENT HANGER. ISADORE DUBERSTEIN, Los Angeles, Calif. Filed Sept. 21, 1922. Serial No. 589,663. 10 Claims. (Cl. 211—13.)



1. In combination, a garment hanger embodying a garment supporting bar, and an elastic sleeve adapted to be freely adjusted upon the bar within the confines of the ends of the bar, the internal diameter of the sleeve being less than the external diameter of the bar, said sleeve serving to support and retain the garment upon one end of the hanger when the garment has become detached from the other end of the hanger.

- 1,461,443. GRATE CONSTRUCTION. SAMUEL N. FLEMING, Earlinton, Ky. Filed May 25, 1918. Serial No. 236,604. 3 Claims. (Cl. 126—164.)



2. A fire place grate comprising a forward basket portion and transverse rocking bars rearwardly thereof

having major rearwardly extending fire supporting parts, and means to rock the bars alternately whereby fire will be moved forwardly into the basket portion.

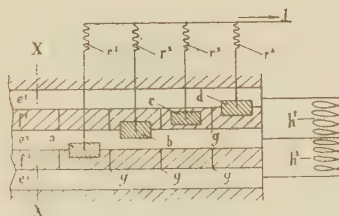
- 1,461,444. MAGNESIA REFRACTORY. WALLACE W. GREENWOOD, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 28, 1919. Serial No. 279,881. 8 Claims (Cl. 106—11.)

1. A composition of matter comprising preshrunk magnesia grains forming the major portion of the total mass and a ceramic bond proportioned and constituted to unite the grains into a super-refractory body which will withstand drying and firing without detrimental shrinkage.

- 1,461,445. COMPOSITION FOR SATURATING FABRICS AND PROCESS OF MAKING SAME. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Oct. 5, 1921. Serial No. 505,653. 4 Claims. (Cl. 134—1.)

2. A process of making an emulsion, consisting in mixing colloidal clay, and water, adding thereto a bitumen while the latter is in heated liquid condition so as to form an emulsion, then adding thereto a hydrocarbon oil substantially liquid at normal temperatures, the two hydrocarbon constituents forming the internal and the water the external phase of the emulsion.

- 1,461,446. COMMUTATING SYSTEM FOR ELECTRICAL MACHINES. CHARLES LÉONARD ARMAND MAURICE LEBLANC, Paris, France, assignor to Société Anonyme pour l'Exploitation des Procédés Maurice Leblanc-Vickers, Paris, France. Filed Sept. 15, 1920. Serial No. 410,534. 5 Claims. (Cl. 171—321.)

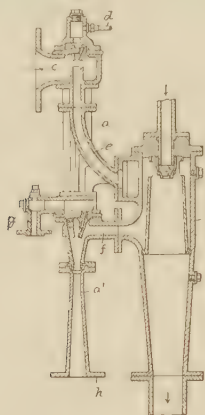


1. A commutating device comprising, a commutator cylinder provided with a plurality of commutator segments, a plurality of low resistance brush elements electrically connected together and arranged in circumferential stepped relation with respect to each other for cooperation with said cylinder and each of said brush elements having a resistance in series therewith, alternate segments of said cylinder being connected to the armature windings of the machine and the intermediate segments each being inactive and divided into a plurality of sections which are insulated from each other and from said alternate segments, each of said sections being disposed in the path of one of said brush elements, whereby the individual brush elements are insulated from each other at the commutator, but electrically connected through said resistances.

- 1,461,447. STEAM-EJECTOR APPARATUS. MAURICE LEBLANC, Val-sur-Seine par Croissy, France, assignor to Société Anonyme pour l'Exploitation des Procédés Westinghouse Leblanc, Paris, France. Filed July 31, 1918. Serial No. 247,651. 4 Claims. (Cl. 230—13.)

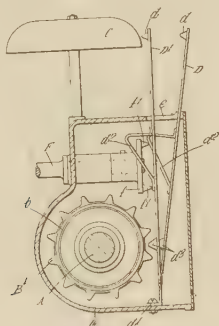
1. In combination with a main condenser a steam ejector provided with a diffuser the axis of which is a curved line so arranged as to permit the fluid withdrawn to be discharged from the ejector in an oblique direction, an auxiliary condenser of elongated form having its axis parallel and immediately adjacent to that of the ejector,

and directly connected to the said diffuser, a second ejector forming the suction from the auxiliary condenser



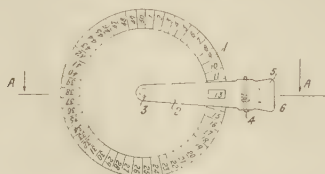
and located in the same axial line as the first ejector, with the object of providing a compact unit easy to control and occupying a minimum floor space.

1,461,448. MEANS FOR INDICATING ERROR IN DIRECTION OF ROTATION OF SHAFTS AND OTHER MECHANICAL ROTARY MEMBERS. JAMES MCKECHNIE and WILLIAM FLOYD RABBIDGE, Barrow-in-Furness, England, assignors to Vickers Limited, London, England. Filed Aug. 22, 1921. Serial No. 494,109. 3 Claims. (Cl. 116—21.)



3. In indicating devices for rotary members, a warning bell, a pair of spring clappers adapted to strike the said bell, each clapper having an operating stud, a pair of toothed wheels on the rotary member adapted to operate the clappers through the striking studs, oppositely directed free wheel clutches on which the said toothed wheels are mounted, a distant control member adapted to turn into either one of two positions according to the direction in which the rotary member is to turn, and means provided on the distant control member whereby one or other of the clappers is pressed back out of operative position according to the direction of rotation required for the rotary member.

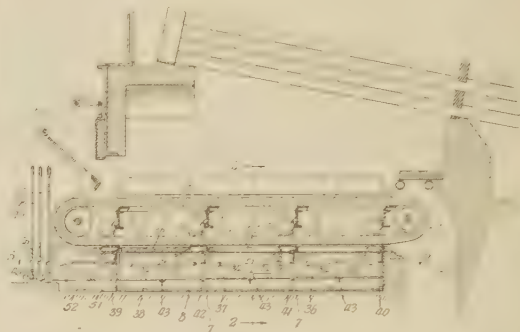
1,461,449. SCORE-INDICATING DEVICE FOR GAMES. HUGH M. MATHIESON, Glasgow, Scotland. Filed June 22, 1922. Serial No. 570,134. 1 Claim. (Cl. 235—83.)



A score indicating device comprising a figured dial, slotted pointing means rotatably mounted on said dial,

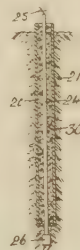
said pointing means comprising resilient arms embracing said dial, said arms hingedly connected at their outer ends and presenting finger grips and a spring compressible by actuation of the finger grips, said spring normally acting to maintain the inner faces of said arms in frictional engagement with said dial.

1,461,450. STOKER FURNACE. HERMAN A. POPPENHUSEN, Hammond, Ind., assignor to Green Engineering Company, East Chicago, Ind., a Corporation of Illinois. Filed Dec. 14, 1921. Serial No. 522,361. 9 Claims. (Cl. 110—40.)



1. In a furnace, the combination of a grate, a plurality of air ducts on opposite sides of said grate and opening beneath the fuel supporting portion of said grate for supplying draft thereto, the ducts at one side of said grate being opposite the corresponding ducts on the other side of said grate, a single conduit beneath said grate and between the ducts at the sides thereof, said conduit being common to all of said ducts for supplying air thereto, a damper for each duct, a plurality of shafts between said ducts, one for each set of opposite ducts, and means connecting each shaft with the dampers of its associated ducts so that the dampers of one set of ducts may be actuated independently of the dampers of any other set.

1,461,451. METHOD OF MAKING CONCRETE PILES. GEORGE G. POWELL, New York, N. Y., assignor of one-half to Ignatius V. McGlone, Jamaica, N. Y. Filed June 7, 1921. Serial No. 475,774. 5 Claims. (Cl. 61—57.)

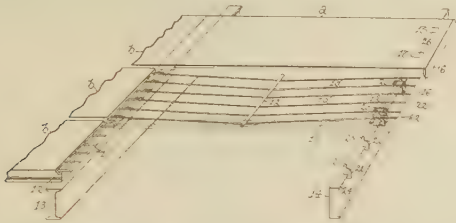


1. The method of forming a concrete pile consisting in forcing a casing into the soil, removing the soil from the interior of the casing, locating an explosive in the soil below the bottom end of the casing, filling the casing with liquid concrete and exploding said explosive in said soil, said concrete flowing into the cavity formed by the explosive and forming an enlarged footing for the pile.

1,461,452. BUILDING CONSTRUCTION. JOHN A. PRITCHARD, Chicago, Ill., assignor, by mesne assignments, to Structural Gypsum Corporation, New York, N. Y., a Corporation of Delaware. Filed May 27, 1921. Serial No. 473,103. 4 Claims. (Cl. 72—71.)

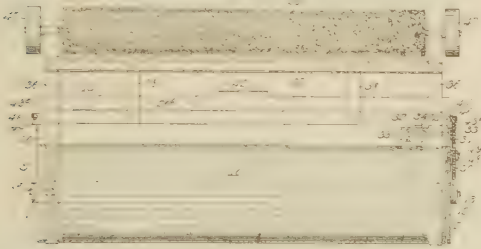
1. In a building construction, in combination, an end purlin, an anchoring device erected upon said end purlin,

a slab of plastic material supported by said purlin and having an opening into which said anchoring device pro-



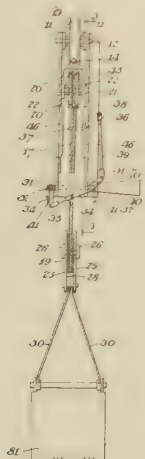
jects, and provided with an anchoring member extended into said opening and cooperating with said anchoring device.

1,461,453. WALL-PAPERING DEVICE. STANLEY PYTELAK, McMechen, W. Va. Filed May 13, 1922. Serial No. 560,582. 5 Claims. (Cl. 216-6.)



1. A wall papering apparatus comprising a holder for a roll of paper, a casing having hinged connection with said holder, said casing being divided longitudinally to form a brush compartment and a paste reservoir and having passages permitting paste to pass from said reservoir to said compartment, a rotary paste-applying brush in said compartment, said compartment being open at its top, paper guiding means holding the paper to said brush as it is drawn from said holder across said open top, and a rotary cutting disk whereby a marginal edge is trimmed from the paper as it is drawn from said holder.

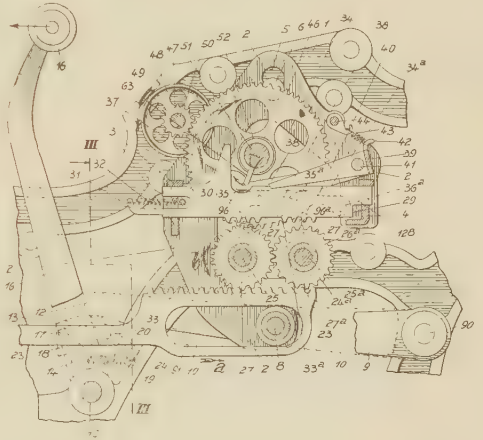
1,461,454. TROLLEY. JAMES F. REILLY, Philadelphia, Pa. Filed Dec. 6, 1921. Serial No. 520,269. 16 Claims. (Cl. 212-105.)



1. In apparatus of the character describe, a carriage suspended from and adapted to travel upon an overhead trackway, a controllable cable one end of which is attached to said carriage, said cable extending downward in a loop from said carriage, a pulley block suspended in said loop of said cable, members mounted in the carriage

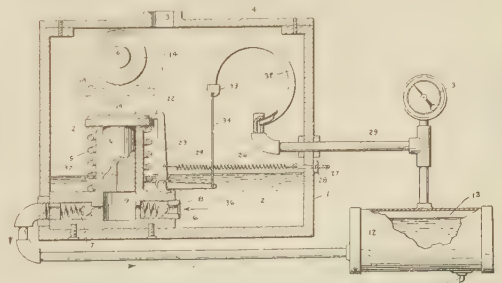
and adapted to be moved aside by said pulley block and to then return to their normal positions to form a seat for supporting said pulley block in said carriage, means adapted to be encountered and operated by said pulley block when the same passes to a predetermined position in the carriage for moving said supporting members to positions whereby the pulley block may be permitted to pass below the same, and means actuated by the pulley block as the same descends to return said supporting members to their normal operative positions.

1,461,455. TENS-CARRYING DEVICE FOR CALCULATING MACHINES. PAUL REISS, Danzig, Germany, assignor to the Firm Gutschow & Co. G. m. b. H., Danzig, Germany. Filed Apr. 20, 1922. Serial No. 555,713. 17 Claims. (Cl. 235-138.)



15. In a computing machine a tens carrying device comprising rotatable carrying means operatively connected to the numeral wheels of the computing machine, a carrying member movable in two directions and adapted to rotate said carrying means a step both in the one and in the other sense, on being itself shifted only in one of said two directions; means adapted to move said carrying member in the other direction; a locking member adapted to lock said carrying device against movement in one of said two directions; releasing means positively connected to said carrying means and adapted to release said locking member; positioning means adapted to rotate said carrying means and means for actuating said positioning means; said releasing means comprising a releasing member movably mounted on said carrying member and a finger rigidly attached to said carrying means, said finger adapted to engage said releasing member.

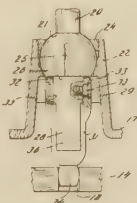
1,461,456. AUTOMATIC CUT-OUT. JOY S. REYNOLDS, San Francisco, Calif., assignor of one-half to Charles A. Balcom, San Francisco, Calif. Filed Apr. 26, 1921. Serial No. 464,695. 3 Claims. (Cl. 103-23.)



1. An automatic cut-out, comprising, a reservoir adapted to hold fluid, a continuously rotating shaft projecting

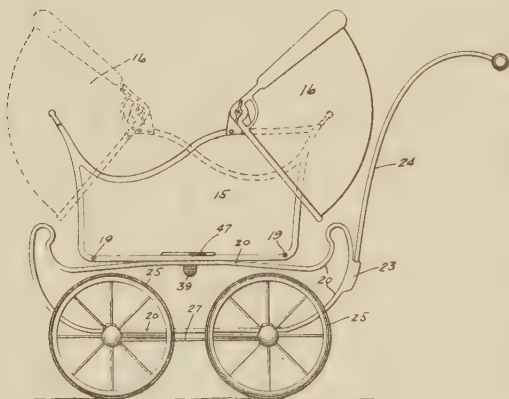
into said reservoir and having a crank therein, a pump in said reservoir having a piston in position to be actuated by said crank on its inner stroke, a spring positioned to actuate said piston against said crank, a pressure chamber, said pump connected to said chamber, and adapted to take fluid from said reservoir and force it into said chamber, a latch adapted to engage said piston and retain it at approximately the inner limit of its stroke, and means, depending on the pressure in said chamber, for actuating said latch in the direction of engagement with said piston, and a spring tending to actuate said latch in the direction of non-engagement with said piston.

1,461,457. GEAR-SHIFT LEVER. PERCY F. RICE, Tus-tin, Calif. Filed June 6, 1921. Serial No. 475,248. 7 Claims. (Cl. 74—39.)



1. In a device of the nature disclosed, the combination with a speed change gearing having a plurality of shift rods carrying gear shifting means, of a universally movable gear-shift lever having a flexible rod operating end, and tension means carried by the lever and functioning to yieldingly maintain the operating end in a normal position relative to the lever.

1,461,458. CONVERTIBLE BABY CARRIAGE. CHARLES O. ROBINSON, Bismarck, N. Dak. Filed Jan. 5, 1920. Serial No. 349,387. 18 Claims. (Cl. 280—31.)

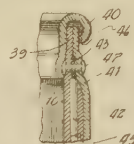


1. A baby carriage having in combination, a body, a running gear comprising wheels and axles, a pair of springs each formed of a substantially continuous piece of material bent to form a closed figure with convex end portions, the bottom of said figure being straight and each of said springs having pairs of spaced means on their upper sides adapted to co-operate with detachable connecting devices on said axles whereby said running gear may be readily removed without removing said body.

1,461,459. GOLF BAG. JOHN E. SCHANK, Chicago, Ill. Filed Aug. 11, 1921. Serial No. 491,335. 9 Claims. (Cl. 150—1.5.)

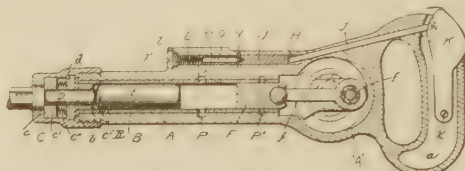
5. In a golf bag, the combination with a flexible body, of an annular bendable stiffening strip secured around

the outside of the open top of the body, a rigid metallic annulus inside of the top of the body and having an



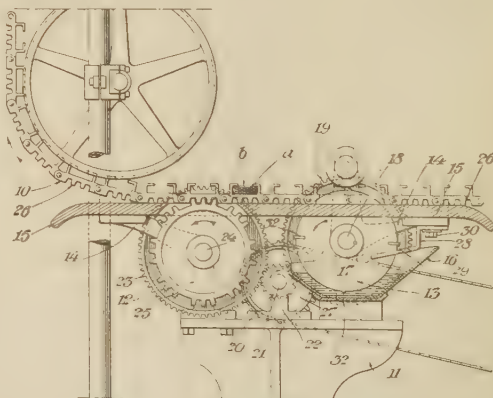
exposed outwardly extending flange overhanging the stiffening strip, and rivets for securing the body, strip and annulus together.

1,461,460. POWER HAMMER. ROBERT C. SCHROTH, Jr., New York, N. Y., and CLAUDE A. HERMAN, Bridgeport, Conn. Filed June 10, 1920. Serial No. 387,839. 3 Claims. (Cl. 125—34.)



1. A power hammer comprising a crank, a cylinder enclosing said crank and provided with an air passage communicating with the interior through its wall, said cylinder further provided with an enlarged offset portion having a longitudinal bore, a positively driven piston for compressing and expanding the air in said cylinder, a free piston adapted to be operated by the compression and expansion of said air, a tool adapted to be actuated by said free piston, a slide valve arranged in said longitudinal bore and adapted to open and close said air passage, and means for operating said slide valve, said means including a trigger for moving said slide valve to the closing position of said air passage and a spring for moving said slide valve to the open position of said passage.

1,461,461. COMPOSITION-APPLYING DEVICE FOR BOOK-MATCH MACHINES. WILLIAM H. SHOFER, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1922. Serial No. 534,258. 3 Claims. (Cl. 91—51.)



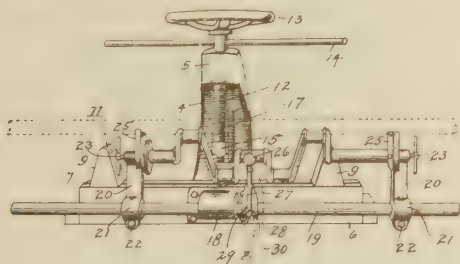
1. The combination with a carrier for a succession of separated articles, of a container for ignition material; a wheel mounted to rotate in said container and to transfer the material therefrom to the surface of said articles, said wheel having spaced-apart peripheral projections, a gauge plate adjacent the periphery of the wheel and the path of rotation of said projections, and means for rotating said wheel in synchronism with the travel of the articles whereby the peripheral portions of the wheel between the projections apply the material to the articles and the projections escape the articles.

1,461,462. COUNTERBORING TOOL. JOHN H. SMITH and GEORGE J. KENGEL, Detroit, Mich., assignors to Eclipse Interchangeable Counterbore Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 14, 1921. Serial No. 522,234. 3 Claims. (Cl. 77—58.)



1. In a boring tool, the combination with a cutter and a holder therefor having abutting end faces, of a drive key projecting from said end face of one of said members, having a pair of opposed plane faces substantially parallel to the axis of said member, the other member being formed with a correspondingly shaped socket engaged by said key and having a lesser diametrical extent than said member, of a cylindrical boss projecting from said key and axially engaging the socketed member to relatively center the two members.

1,461,463. STRAIGHTENING PRESS AND METHOD OF USING SAME. JOSEPH H. STALEY, Columbus, Ind. Filed Mar. 1, 1921. Serial No. 448,879. 5 Claims. (Cl. 153—53.)



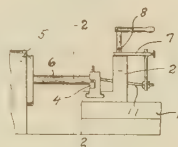
1. In a shaft straightening machine, means to test a shaft having center holes comprising a gauge, a pair of center pins on which the shaft is mounted and rotated, and means to test the accuracy of the center holes in the shaft comprising additional supports with recesses in which the shaft is placed and rotated said gauge being adjustable to the two positions of the shaft.

2. The combination with a shaft-straightening press, of means to test a shaft having center holes, comprising a rockable shaft, a pair of center pins rockable with said shaft on which pins the shaft to be tested is rotated, additional higher shaft supports also rockable with the center supports, and a gauge mounted on the rockable shaft and adjustable in its distance from the latter to reach the shaft undergoing test when held by the center pins or on the higher supports.

4. The herein described method for testing the accuracy of center holes in a cylindrical member, compris-

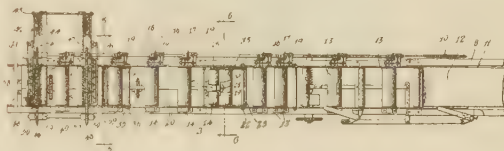
ing the positioning of said member between peripheral supports, gauging the same, positioning said member between supports entering said center holes and again gauging said member, substantially as set forth.

1,461,464. CUT-OFF SLIDE ATTACHMENT. HARRY E. STALTER, Moline, Ill. Filed May 2, 1921. Serial No. 466,185. 3 Claims. (Cl. 29—57.)



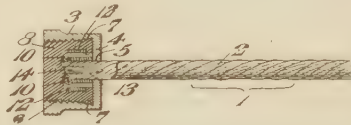
1. A device of the class described, comprising a plate adapted for attachment to the head of a turret lathe; a rod supported vertically in said plate; and a rod of smaller diameter than said first-named rod, supported thereby so as to have its free end in proximity to the cutting device of said head.

1,461,465. BOX-ELEVATOR FEEDER. FRED STEBLER, Riverside, Calif., assignor to Stebler-Parker Co., Riverside, Calif., a Corporation of California. Filed Oct. 31, 1921. Serial No. 511,641. 8 Claims. (Cl. 198—34.)



1. In a box feeder, the combination of box-conveying means, means projecting above the box-conveying means to intercept the boxes one at a time when they reach a certain position, and means operating at intervals to raise the box above the projecting means to free the box therefrom.

1,461,466. CABLE END AND HOUSING AND METHOD OF ASSEMBLING THE SAME. GEORGE W. STOUT, Merchantville, N. J. Filed Aug. 20, 1921. Serial No. 493,998. 6 Claims. (Cl. 24—123.)

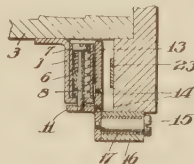


1. A cable head, composed of a cable, a cup shaped housing having a bottom plate through which said cable passes, the outer end strands of said cable being reversely bent within said housing, inner annular retaining devices wound around the outer end of said cable and positioned between said outer end and the reversely bent strands, outer annular retaining devices wound around said reversely bent strands, a wedge driven into the outer end of said cable, and a sealing medium filling said housing and enclosing said wedge, and said reversely bent, banded cable ends.

1,461,467. WINDOW FASTENER AND ANTIRATTLER. ROBERT STUART, Philadelphia, Pa. Filed Aug. 1, 1922. Serial No. 578,877. 5 Claims. (Cl. 292—75.)

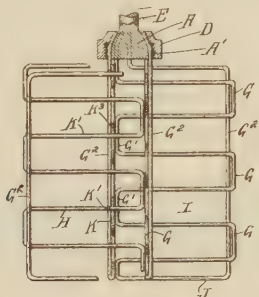
1. A window fastener and anti-rattler, comprising a casing adapted to be secured to the window sash, a

roller adapted to travel on the window jamb, a roller support having a plurality of guides slidable in said



casing, resilient means to cause said roller to draw said sash towards said jamb and a locking member movably carried by said casing.

1,461,468. MIXING AND BEATING MACHINE. HENRY TRUST, Park Ridge, N. J., and FRANK M. ASHLEY, Brooklyn, N. Y.; said Ashley assignor of all his right to Josephine Trust, Park Ridge, N. J.; Josephine Trust administratrix of said Henry Trust, deceased. Filed Dec. 16, 1919. Serial No. 345,344. 4 Claims. (Cl. 259—134.)



1. A beater comprising a body portion having a thread formed in its surface and slots intersecting said threads, a cap adapted to overlie said slots and having threads to engage the threads in the body portion.

1,461,469. CUSHIONED TOE REENFORCE FOR LASTS. RALPH C. WEBSTER, Haverhill, Mass. Filed Mar. 1, 1919. Serial No. 279,980. 5 Claims. (Cl. 12—133.)

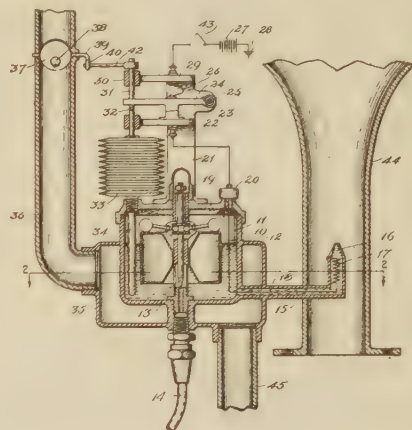


1. A wooden last having applied to its bottom a reinforcing piece of material tougher and more tenacious than wood extending lengthwise of the last body and its forward end providing the toe extremity of the last, and a cushion interposed between said piece and the last body.

1,461,470. CARBURETOR. KENNETH A. ACKLEY, Louisville, Ky. Filed May 14, 1921. Serial No. 469,551. 1 Claim. (Cl. 236—18.)

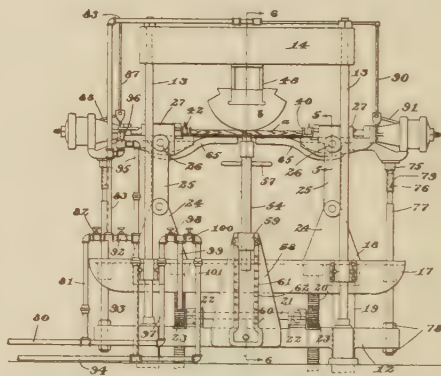
A combined valve and heating coil control thermostat comprising an expansible thermostatic cell, a bracket adjacent said cell and provided with a pair of spaced arms projecting over the cell and having aligned bearings,

a stem on the thermostatic cell extending through these arms, a circuit controlling lever pivoted to said bracket and extending past the stem, a pin on said stem engag-



ing the free end of said lever to move the same, and a valve controlling arm projecting laterally from the upper end of said stem.

1,461,471. WOOD BENDING APPARATUS. FRANK H. BANCROFT, Gardner, Mass., assignor to P. Derby & Co., Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1922. Serial No. 556,960. 29 Claims. (Cl. 144—264.)

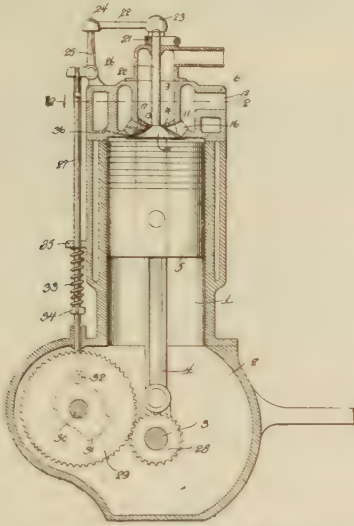


1. In a machine for bending wood about a form, means for clamping a portion of the wood to be bent against the form and means for automatically maintaining a uniform pressure upon the ends of the wood during the bending process.

1,461,472. OSCILLATING VALVE FOR INTERNAL-COMBUSTION ENGINES. RALPH A. BRADLEY, Ottawa, Kans. Filed Dec. 17, 1919. Serial No. 345,676. 1 Claim. (Cl. 123—80.)

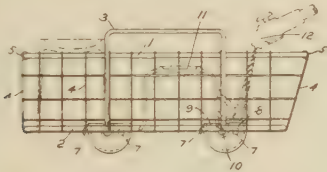
An internal combustion engine having a detachable head provided with an intake passage way, and having an exhaust passage way in the cylinder head surrounding the intake passage way, a wall intermediate the passage ways, said wall forming a valve seat, said wall having ports communicating with the intake and exhaust passage ways, a valve for said seat having ports to register with said ports, a stem on said valve extending through the intake passage way, an intake pipe on the head and in which said stem is journaled, a crank

above said pipe extending from the stem and adapted for unitary movement therewith, a stud on the cylinder



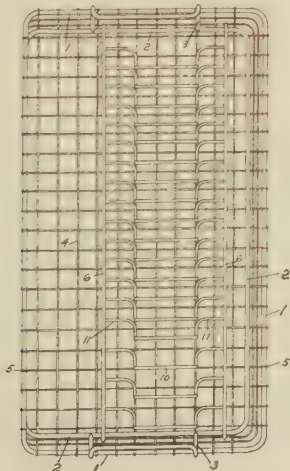
head, a bell-crank lever pivoted to said stud, a link connecting the crank and bell-crank and means for separable connection of said bell-crank to a push rod.

1,461,473. DISHWASHER. CARL BREER, Summit, N. J. Filed July 21, 1920. Serial No. 397,877. 5 Claims. (Cl. 141-9.)



2. In a dish-washer, the combination of a dish-support; and a water deflector having an upwardly directed discharge and an inlet adapted to receive a jet of water from a different direction than the direction of discharge.

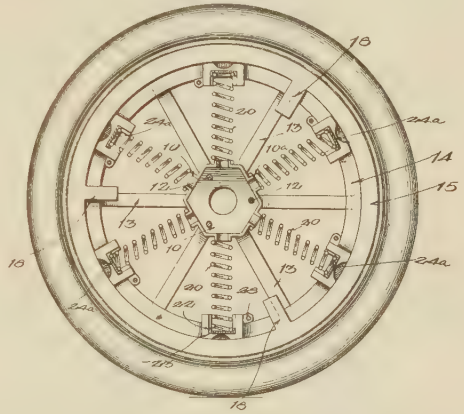
1,461,474. DISH-HOLDING TRAY. CARL BREER, Summit, N. J. Filed July 21, 1920. Serial No. 397,878. 4 Claims. (Cl. 141-11.)



3. In a dish-holding tray, the combination of a frame; longitudinal rods secured to parts of the frame; and upright dish supports formed of wire with upright sides

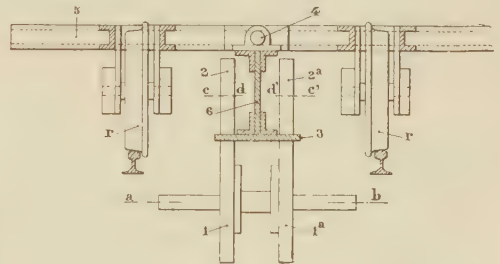
between the rods, the lower ends of said wires being provided with lateral extensions secured to said rods, said extensions forming torsion members on which the up-rights may swing.

1,461,475. WHEEL. REUBEN GLADSTONE BRUNER, Windsor, Ontario, Canada. Filed Mar. 23, 1922. Serial No. 545,973. 8 Claims. (Cl. 152-28.)



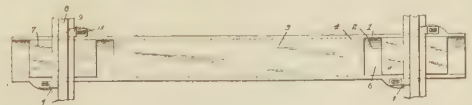
1. In a wheel of the character described, a hub, a wheel body organized with the hub, a felly movably mounted on the wheel body, compression coil springs having their inner ends engaged with the hub, and a seat for the outer end of each of said coil springs, each seat being supported upon said felly when the spring with which it is associated is subjected to load and being engaged with the wheel body when the spring with which it is associated is not subjected to load.

1,461,476. DEVICE FOR DRIVING THE BANDS OF ROLLING PLATFORMS. LOUIS DOMINIQUE AUGUSTE CASALONGA, Paris, and GEORGES MIOT, Vanves, France. Filed May 3, 1922. Serial No. 558,250. 7 Claims. (Cl. 104-25.)



1. A traction device for rolling platforms, comprising, a plurality of carriages, a movable band fixed to each of the carriages, a plurality of sets of cooperating rollers, said band being positioned between the rollers of each set, each set comprising a driving, and a pressing roller.

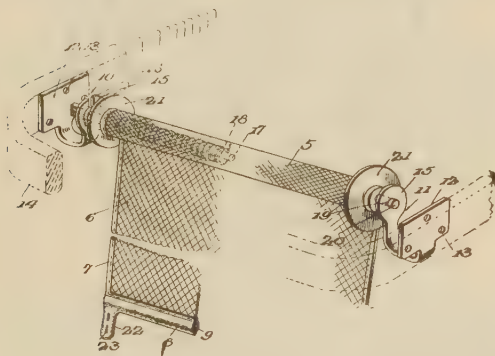
1,461,477. RAILWAY TIE. CLINTON J. COOPER, Oak Park, Ill. Filed Dec. 13, 1922. Serial No. 606,676. 3 Claims. (Cl. 238-62.)



1. A railway tie consisting of a single casting and comprising smooth vertical side walls provided at their outer edges with outwardly extending lugs and a continuous integral longitudinal web of uniform thickness connecting the side walls and composed of horizontal

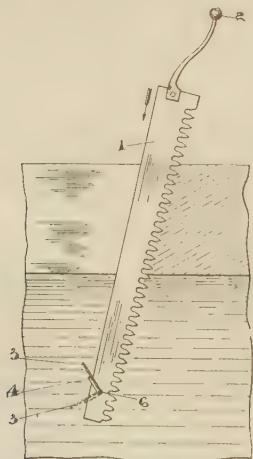
end portions arranged at the lower edges of the side walls, a central horizontal top portion arranged at the upper edges of the side walls and intermediate vertically connecting portions extending from the end portions to the central portion, said web forming a central chamber and end pockets, the central chamber being open at the bottom and closed at the top and the end pockets being open at the top and outer ends, rail supporting blocks arranged within the end pockets, and means carried by the lugs for securing rails upon the end blocks.

1,461,478. PROTECTIVE VENTILATING SCREEN FOR VEHICLES. BENJAMIN A. DANIELS, Tampa, Fla. Filed May 31, 1922. Serial No. 564,696. 1 Claim. (Cl. 296—95.)



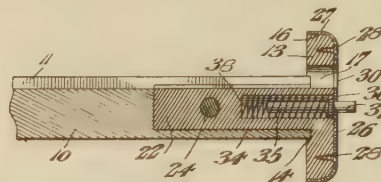
In combination, a spring roller, a protective ventilating screen of substantially rectangular configuration and being made of a perforated flexible metallic material, said screen being secured along its upper edge to the spring roller, a fabric binding the side and lower edges of the screen, said binding along the lower edge of the screen being fashioned to provide a sleeve extending transversely of the screen, a stiffening rod disposed in the sleeve, and brackets engagable with the top bow of an automobile for pivotally supporting the roller at its ends in transverse relation to the windshield, said binding at the lower edge of the screen having spaced apart depending tab portions provided with eyelets for engaging hooks or the like at the lower end of the windshield frame to releasably hold the screen in extended position.

1,461,479. ICE SAW. JEROME COLWELL DIETRICH, Galt, Ontario, Canada. Filed Mar. 20, 1922. Serial No. 545,326. 7 Claims. (Cl. 262—33.)



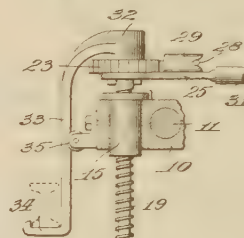
1. An ice saw having a vane attachment connected to its blade back of the teeth and adapted to press the saw against its work when said blade is moved longitudinally.

1,461,480. SPOOL HEAD. VICTOR GERO, Philadelphia, Pa. Filed Mar. 21, 1922. Serial No. 545,435. 4 Claims. (Cl. 242—124.)



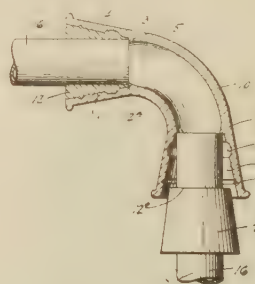
1. In a spool or bobbin, the combination of a spool body, a head arranged to be rigidly secured to said body, a protecting rim circumferentially arranged about said head, and a pin projecting axially through said head.

1,461,481. DOLLY JACK. FELTA B. GIST and CHARLES F. MARTIN, Orange, Calif. Filed Apr. 23, 1921. Serial No. 463,805. 2 Claims. (Cl. 254—7.)



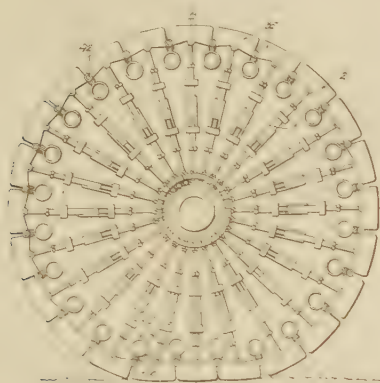
1. In combination, a dolly having an aperture formed therein, a socket member mounted within the aperture, a notched flange formed on one end of the socket member, a pin removably mounted in the dolly and engaging the notch of said flange for locking the socket member against rotation within the aperture, a threaded shaft mounted in the socket member, a head formed on the upper end of the shaft, a wheel having radially extending teeth fixed to the shaft, an arm pivoted on the shaft, a spring pressed pawl carried by the arm and normally engaging said teeth, an operating handle connected to the arm, and means for rotating the pawl to cause the latter to engage the teeth of said wheel to effect rotation of said shaft in one direction or the other, according as the arm is moved in one direction or the other.

1,461,482. PIPE COUPLING. HENRY W. HAHN, Denver, Colo. Filed Jan. 25, 1922. Serial No. 531,687. 2 Claims. (Cl. 285—115.)



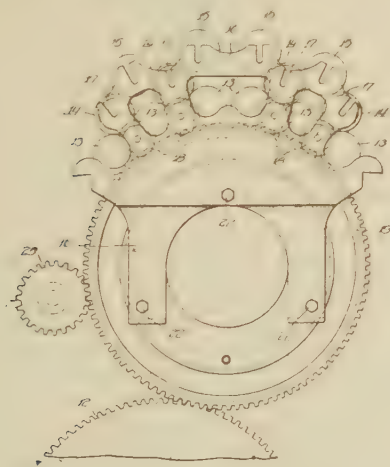
1. A pipe fitting, comprising a bell having a tapered bore, a pipe extending into said bore, the wall of the tapered bore of the bell being provided adjacent the inner end thereof, but spaced therefrom, with an angular groove, and a soft metal caulking ring pressed into the space between the pipe and the walls of the bore and extending into and fitting said groove.

1,461,483. RESILIENT VEHICLE WHEEL. THOMAS S. HALLETT, Mile 54, Alberta, Canada. Filed June 8, 1921. Serial No. 476,034. 8 Claims. (Cl. 152—30.)



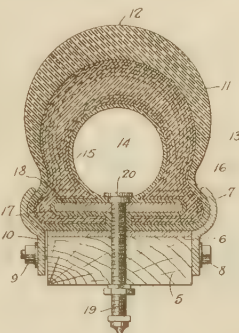
6. In a resilient wheel, a hub, a tread comprising a plurality of sections, and spokes extending radially from the hub and connected with the sections, the said hub comprising portions circumscribing its body in spaced relation thereto and provided with slots opening through one edge of each portion and terminating at their inner ends in threaded openings the spokes each comprising an inner and an outer section and the inner section including a stem having an enlarged inner end, the stems being of a diameter to pass through the respective slots in the said portions of the hub, and a bushing sleeve fitted onto each of the stems and movable longitudinally thereof and threaded into the respective opening in the said portions of the hub, and means resiliently connecting the inner and outer sections of each spoke.

1,461,484. GEARING MECHANISM. CARL HENDERSON, Chicago, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 1, 1922. Serial No. 533,191. 5 Claims. (Cl. 101—352.)



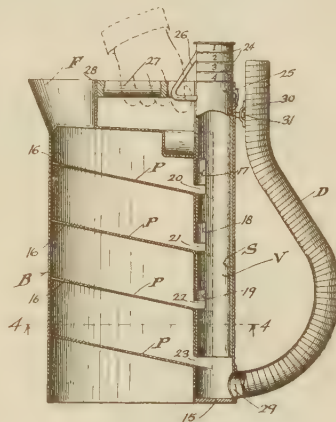
1. In a printing press, the combination of a form member, inking rolls associated therewith, a movable frame in which said inking rolls are mounted, gears through which said rolls are actuated, and a driving gear for said other gears carried by said frame and movable bodily with said gears, when the frame is moved for tripping the inking rolls, to maintain a constant degree of mesh between said gears.

1,461,485. SINGLE-TUBE PNEUMATIC TIRE. WILLIAM H. KERN, Jersey City, N. J. Filed Mar. 4, 1922. Serial No. 540,992. 2 Claims. (Cl. 152—20.)



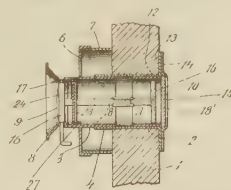
2. A single tube pneumatic tire having a tubular air chamber, a flattened auxiliary chamber communicating therewith, a flat metallic band within said auxiliary chamber and upon which the sides of said chamber are adapted to be compressed.

1,461,486. LIQUID MEASURING AND DISPENSING VESSEL. JOHN M. KISHPAUGH, Pasadena, Calif. Filed Mar. 9, 1922. Serial No. 542,281. 4 Claims. (Cl. 221—95.)



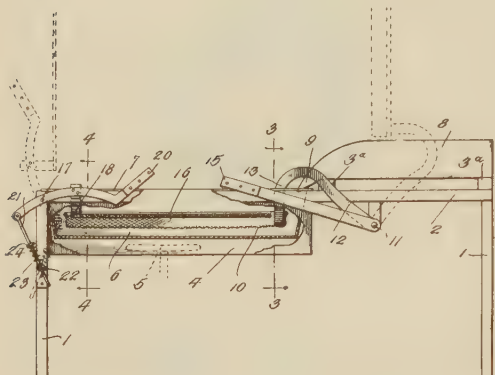
1. A liquid dispensing and measuring vessel comprising a body, a sleeve sustained on the body, transverse inclined partitions arranged within the body at one side of the sleeve to divide the latter into a plurality of compartments, a discharge spout communicating with said sleeve, a plurality of openings formed in said sleeve for effecting communication between the compartments and said discharge spout, and a valve member movable in the sleeve and having ports formed therein to control said openings.

1,461,487. LOOKOUT OR DOOR PEEP. FRANZ LAIBACH, New York, N. Y. Filed May 21, 1919. Serial No. 298,731. 4 Claims. (Cl. 20—30.)



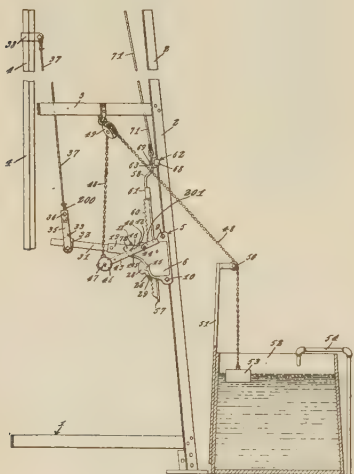
1. A tube having angularly adjustable lenses therein, and means for supporting said tube and means for adjusting said lenses in unison.

1,461,488. DOUGHNUT-COOKING MACHINE. HENRY LISI, Susquehanna, Pa. Filed Sept. 9, 1921. Serial No. 499,387. 8 Claims. (Cl. 53-7.)



1. A device of the class described comprising a support, a grease pan, an open-work basket for holding the articles to be cooked, said basket being arranged in said pan, hoisting means connected with one end of the basket for raising it to dumping position, a cover for the basket, and means for raising said cover to and holding it in a vertical position to permit the basket to be raised.

1,461,489. WINDMILL REGULATOR. JOHN M. LOWE, Butler, Ind. Filed Jan. 26, 1922. Serial No. 531,951. 8 Claims. (Cl. 103-29.)

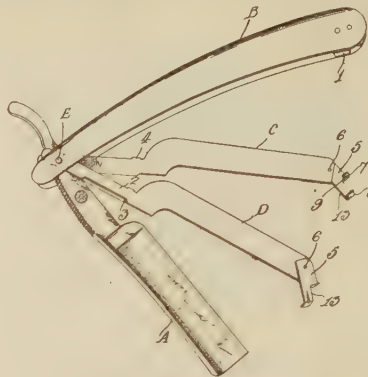


1. A windmill regulator comprising a support; a lever fulcrumed thereon; a pawl carried and operated by the lever; a rack bar cooperating with the pawl; and means for mounting the rack bar for longitudinal sliding movement, and for transverse movement into and out of engagement with the pawl.

1,461,490. SAFETY GUARD FOR RAZORS. ANDREW McANULTY, Ottawa, Ontario, Canada. Filed Feb. 28, 1921. Serial No. 448,413. 5 Claims. (Cl. 30-12.)

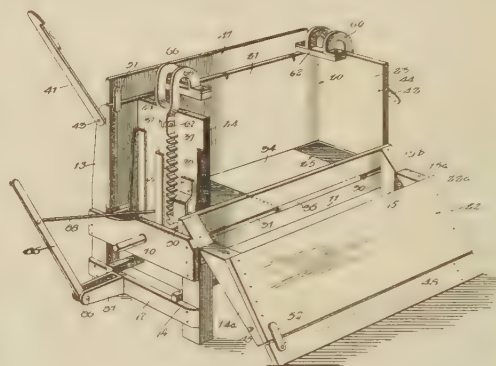
1. In a razor of the class described having a safety guard pivotally attached to the blade, means for holding

the said guard on the blade comprising a stop integral therewith and resting on the razor tang, and a latch



attached to said guard and provided with stop means to rest on the back of the razor and locking means to hold the said guard distant from said razor.

1,461,491. TOBACCO PACKER. OLAVES R. MATSON, Columbus, Wis. Filed May 23, 1921. Serial No. 472,014. 20 Claims. (Cl. 100-5.)



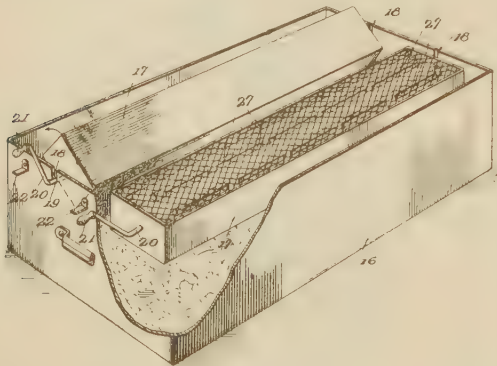
2. In a press of the character described, a frame, a press box carried by the frame and including a movable end wall, a follower, means for applying pressure to said follower comprising a stationary unit including a rack, and a movable unit carried by the movable end wall and including a rack, common operating mechanism for the units including a rotatable shaft, a pinion fixed to the shaft and engageable with the rack of the stationary unit, a pinion splined with the shaft and engageable with the rack of the movable unit, and a crank for operating said shaft, and means for operating the movable end wall.

16. In a press of the character described, a frame, a press box carried by the frame and including side walls, a stationary end wall, a movable end wall, and a bottom wall having a movable section connected with the movable end wall, and means for operating said movable end wall and said movable bottom section including an operating lever and a connecting rod between said operating lever and said movable section.

1,461,492. ELECTRICAL TESTING INSTRUMENT. JOHN F. MOODY, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 24, 1920. Serial No. 391,502. 9 Claims. (Cl. 175-183.)

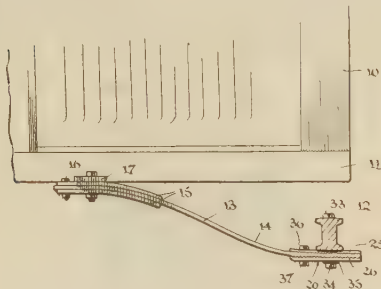
1. The method of locating concealed conductors, which consists in impressing an alternating electro-motive force upon the said conductor, moving into the magnetic field thus created a winding whose plane is substantially perpendicular to the surface moved over, adjusting the posi-

1,461,496. FIRE KINDLER. JOHN QUIST, Detroit, Mich. Filed Oct. 8, 1921. Serial No. 506,275. 10 Claims. (Cl. 158—10.)



1. A lighter unit of the character described, comprising a receptacle, a multiplicity of upstanding sheets within said receptacle, said sheets being made of liquid absorbing material, and some of said sheets extending above the others for the purpose described.

1,461,497. RADIUS LEAF. GROVER C. ROBBINS, Blowing Rock, N. C. Filed Mar. 9, 1922. Serial No. 542,513. 2 Claims. (Cl. 267—67.)

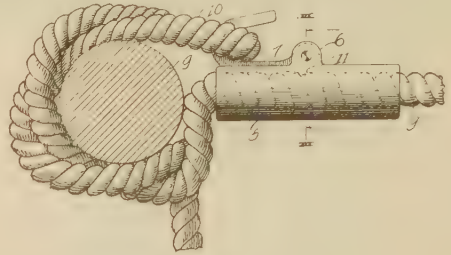


1. In a radius leaf adjustment, a main leaf having an end provided with serrations on its upper and lower face and having a bolt hole and an elongated slot, a pair of clamping plates, the upper clamping plate having serrations on its under face engageable with the serrations on the top face of the main leaf, the lower clamping plate having serrations on its upper face engageable with the serrations on the lower face of the main leaf, said clamping plates having elongated slots adapted to be aligned with the bolt hole of the main leaf and having bolt holes adapted to be aligned with the elongated slot of the main frame, a bolt extending through the slots of the clamping plates and the bolt hole of the main leaf, a nut engageable with the bolt for urging said clamping plates into engagement with the main leaf, the bolt holes of the clamping plate and the elongated slot of the main leaf being adapted to receive securing means.

1,461,498. ROPE HITCH. ARTHUR L. SHANER, San Francisco, Calif. Filed June 7, 1922. Serial No. 566,485. 1 Claim. (Cl. 24—134.)

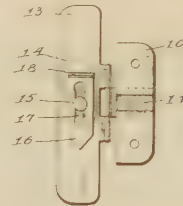
A device of the character described, comprising a U shaped sleeve adapted to receive a rope therein, and a hook element pivotally secured to said U shaped sleeve, said hook element having a boss formed therein and

adapted to lie within said U shaped sleeve when said hook is parallel to said sleeve, said hook being adapted to



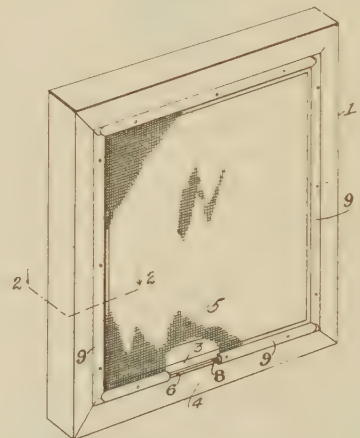
receive a loop of said rope after said rope has been secured around an object for the purpose of maintaining said boss in contact with said rope within said sleeve.

1,461,499. WINDOW STOP. NORA L. SHANKLAND, Newton, Iowa. Filed Nov. 23, 1921. Serial No. 517,222. 4 Claims. (Cl. 292—207.)



1. A window stop comprising a plate to be secured to one of the side rails of the sliding window sash, a keeper formed therein, an abutment hinged to the plate and capable of being swung outwardly to overlie the other sash and capable of being swung inwardly against the plate when not in use, and a locking bolt slidably and pivotally mounted on the abutment for engagement in the keeper to retain the abutment in operative position and adapted to be swung parallel to the plate when not in use.

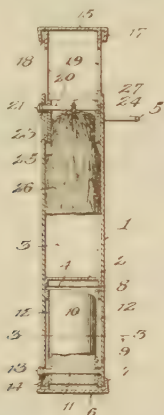
1,461,500. SCREEN FOR WINDOWS AND SCREEN DOORS. HARTWELL B. SHIPPEE, Killingly, Conn. Filed Jan. 31, 1922. Serial No. 533,053. 2 Claims. (Cl. 156—14.)



2. In a device of the character described, the combination of a frame having a continuous groove extending entirely therearound in one face thereof, said groove being comparatively deep and narrow and having an inner and outer wall, the outer wall being straight and parallel to the outer edge of said frame, the inner wall extending at an acute angle to the inner edge of said frame and

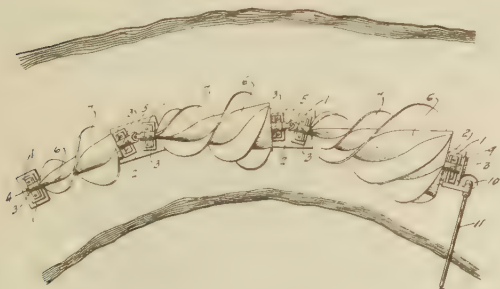
having beveled corners, and being of less height than the outer wall, a wire mesh fitting upon said frame and extending into said groove, a moulding having a comparatively broad head entirely covering said groove and having a comparatively long rounded tongue fitting within said groove for holding said mesh in position without danger of injury thereto, and securing means for holding said moulding upon said frame, whereby the outer wall of the groove will tip said moulding over slightly onto the inner wall, thereby binding the moulding upon the mesh at this point and also causing the tongue to wedge more firmly within said groove, as and for the purposes set forth.

1,461,501. TOILET KIT. HENRY SLAIGER, Attleboro, Mass., assignor to D. F. Briggs Company, Attleboro, Mass. Filed July 18, 1922. Serial No. 575,787. 5 Claims. (Cl. 132—79.)



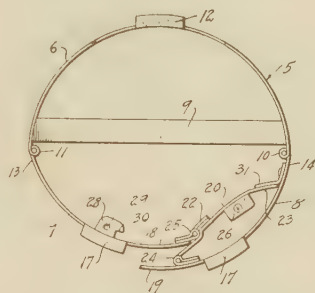
1. A toilet kit including a tubular container open at each end, the ends of the container having bayonet slots, a cap for each end of the container having a rim fitting over the same and having a slotted sleeve secured to the cap and receivable in the container, ferrules slidable in the sleeves, toilet members carried by the ferrules, and pins carried by the ferrules for securing the toilet articles thereto and engageable through the slots of the sleeves and in the respective container slots.

1,461,502. CURRENT MOTOR. HENRY R. SOLINGER and ERNEST G. MESSER, Zillah, Wash., assignors to Solinger Power Company, Elma, Wash., a Corporation of Washington. Filed Feb. 15, 1922. Serial No. 536,688. 2 Claims. (Cl. 170—97.)



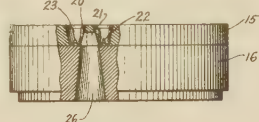
1. In a current motor, a plurality of supports carrying bearings, shafts journaled through said bearings and operatively connected, a power take-off device at one end of the series of shafts, and a conical rotor on each shaft equipped with spirally arranged blades, said rotors being of progressively increasing diameters.

1,461,503. TIRE CARRIER. ETHEL D. STINSON, Bisbee, Ariz. Filed Apr. 22, 1922. Serial No. 555,984. 2 Claims. (Cl. 224—29.)



1. A tire carrier comprising a rim provided with separable confronting ends, a lever pivotally connected at spaced points to said ends and designed to cause said ends to abut and to overlap in the expansion and contraction of said rim, one of said ends being provided with a keeper and the lever being provided with a lock engageable with said keeper, the other end being provided with a swinging latch designed to engage the relatively free end of the lever to hold the same in the contracted condition of the carrier.

1,461,504. MACARONI DIE. GUIDO TANZI, Long Island City, N. Y. Filed June 13, 1922. Serial No. 567,997. 6 Claims. (Cl. 107—14.)



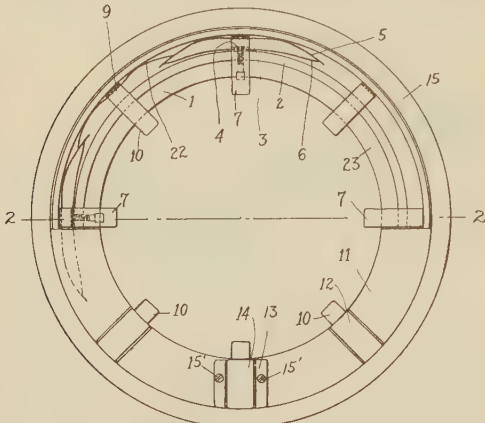
1. A macaroni die comprising a plurality of plates secured together, one said plate being provided with a plurality of receiving orifices arranged in pairs and the other said plate being provided with a plurality of discharge orifices each discharge orifice communicating with a pair of receiving orifices and an irregularly shaped passage connecting each pair of receiving orifices with its co-acting discharge orifices.

5. A macaroni die comprising a plurality of plates secured together, one said plate being provided with a plurality of receiving orifices and the other said plate being provided with a plurality of discharge orifices, each said discharge orifice communicating with a plurality of receiving orifices and each said receiving orifice being provided with a discharge aperture in the wall thereof, all said discharge apertures of each associated group communicating with a single discharge passage, arranged in the nearest adjacent side of the plate, wherein the receiving orifices are produced.

1,461,505. RESILIENT RIM FOR AUTOMOBILE WHEELS. FREDERICK THORNTON, Huntington, W. Va. Filed Nov. 3, 1922. Serial No. 598,814. 3 Claims (Cl. 152—8.)

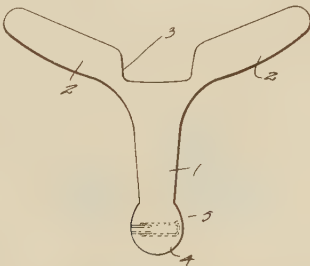
3. In a resilient rim structure, an element adapted to fit about the periphery of a vehicle wheel, a tire spaced from said element outwardly, a plurality of leaf springs arranged about the periphery of said element, some of said springs being arranged in pairs, having oppositely curved ends, said ends of said springs being arranged to slide upon each other for a considerable distance, a radially arranged set-screw, screw-threaded into said element for each of said pairs of springs and adapted to adjust the tension of the inner one of each of said pairs

of springs, a clip member surrounding the inner spring of alternate pairs of said pairs of springs, a socket in



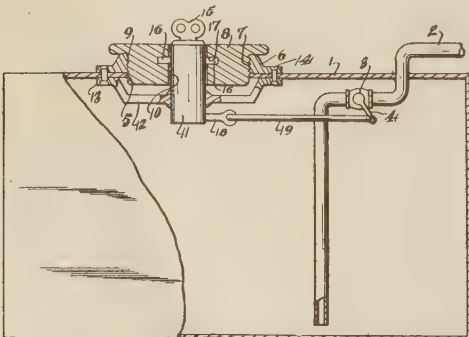
said clip member on the inner side of said spring, and a reduced cylindrical portion on the upper end of said set-screw fitting into said socket.

1,461,506. NECKTIE HOLDER. CHARLES VACEK, Chicago, Ill. Filed June 13, 1921. Serial No. 477,171. 1 Claim. (Cl. 24-49.)



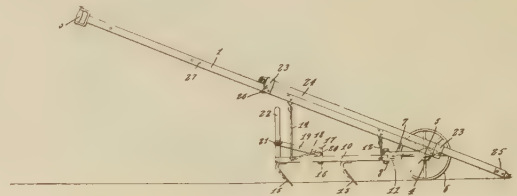
A necktie holder comprising a body, a pair of bowed rearwardly and oppositely inclined arms carried by said body at its upper end, said arms being reduced where they join the body to provide a depression between the adjacent ends of the arms to prevent displacement of the tie, the lower end of the body being expanded, a clip carried by said expanded portion at the rear side thereof, the arms serving to hold the device in place on a collar, and the expanded portion cooperating with the depression to hold a tie in place on the device.

1,461,507. GASOLINE TANK AND FEED-LINE LOCK. NELSON PAUL WHITTIER, Beverly Hills, Calif. Filed Mar. 30, 1920. Serial No. 369,992. 2 Claims. (Cl. 251-7.)



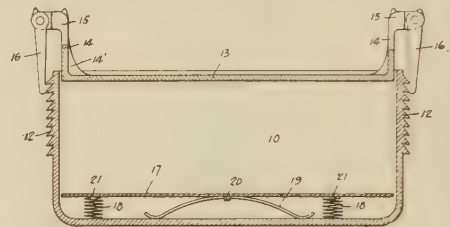
1. A tank having a rotatable closure cap, an outlet pipe, and a rotatable valve controlling the pipe, and means associated with the cap and valve for locking the two against rotation.

1,461,508. CULTIVATOR. GEORGE G. WORSTALL, Toms River, N. J. Filed Apr. 21, 1919. Serial No. 291,614. 1 Claim. (Cl. 97-192.)



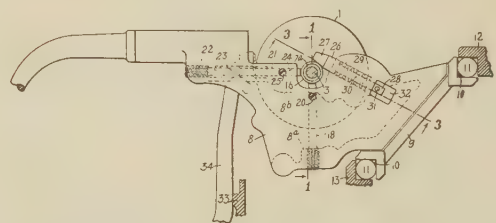
In a device of the class described, a cultivator comprising a frame and a ground wheel carried by the forward end of the frame; deflector rods mounted for free straight-line reciprocation on the frame, the rods converging in advance of the wheel, and being disposed at a pronouncedly acute angle to the horizontal whereby the rods may reciprocate freely as their forward ends ride along the soil.

1,461,509. HAM BOILER. HANS ADELMANN, New York, N. Y., assignor to Ham Boiler Corp., New York, N. Y., a Corporation of New York. Filed June 22, 1921. Serial No. 479,562. 3 Claims. (Cl. 100-57.)



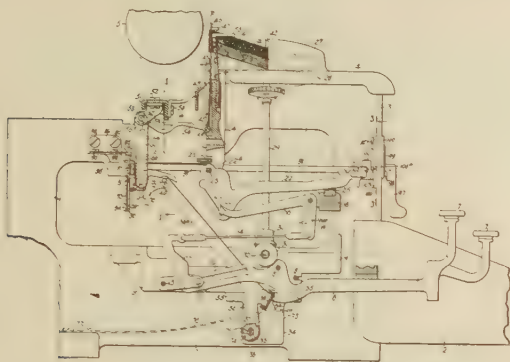
1. In a ham boiler, the combination with a receptacle constituting a mold for a ham or the like, of a cover fitted slidably within the receptacle for compressing the ham, said cover being provided with upwardly projecting standards, the upper ends of which extend outward beyond the upper edge of the receptacle, and engagement means for the receptacle pivoted to and depending from the outwardly projecting portions of the standards, the engagement members comprising hooks, each of which includes a knuckle pivoted to a standard, a catch member spaced below and movable relatively to the knuckle, and connecting means between the knuckle and the catch member providing for movement of the catch member resiliently with respect to the knuckle.

1,461,510. TYPEWRITING MACHINE. JOHN H. BARR, New York, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 5, 1921. Serial No. 442,790. 21 Claims. (Cl. 197-145.)



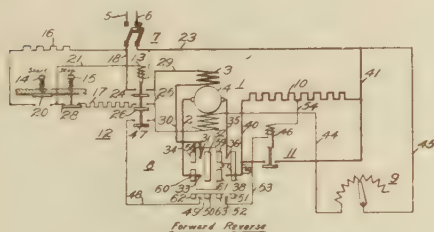
1. In a typewriting machine, the combination of a rotary platen, a platen axle, a platen carrier, and means for affording universal adjustment of the platen in a plane perpendicular to the platen axis and relatively to said platen carrier.

1,461,511. TYPEWRITING MACHINE. JOHN H. BARR, New York, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed May 14, 1921. Serial No. 469,461. 37 Claims. (Cl. 197—157.)



2. In a typewriting machine, the combination of a ribbon vibrator, printing keys, vibrating connections between said printing keys and said ribbon vibrator including a member provided with a slot straight throughout its entire length, and an actuator in engagement with said slot and operative during part of its movement while traversing said slot to actuate said member to move the vibrator to the printing point, said actuator being wholly self-guided and while moving in said slot during the latter part of its movement being substantially ineffective to move said member and said vibrator.

1,461,512. CONTROL SYSTEM. EDGAR M. BOUTON, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 17, 1920. Serial No. 410,906. 6 Claims. (Cl. 172—179.)

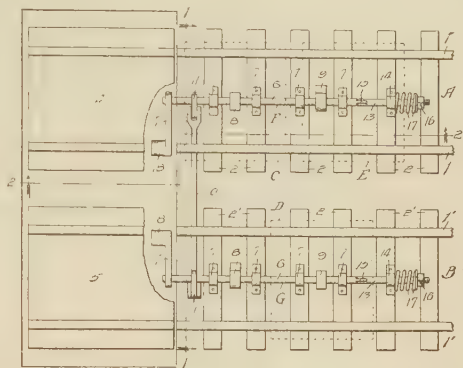


1. In a motor-control system, the combination with an electrical device, a switch for starting said device and means comprising an actuating coil for closing said switch, means for energizing said coil, means electrically connected to said device for maintaining said coil energized after the closing of said switch, and means for preventing the starting of said device through said maintaining means.

1,461,513. AUTOMATIC MINE-CAR CAGER. FERDINAND F. BRASCHE, Edwardsville, Ill., assignor of one-third to Charles Holding and one-third to William Palecek, both of Collinsville, Ill. Filed Nov. 25, 1921. Serial No. 517,673. 3 Claims. (Cl. 104—253.)

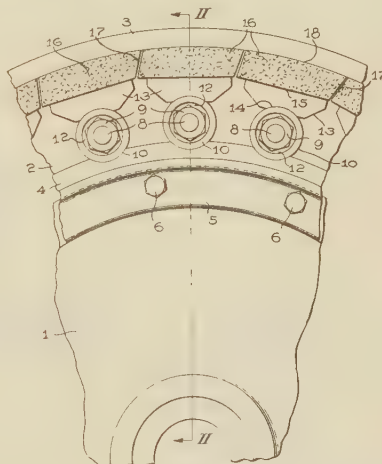
1. In a mine car cager, a plurality of bearings, a rocker shaft mounted in the bearings between the rails of an inclined track, said rocker shaft comprising two sections hingedly united near one end, a pair of car stops fixed to one section of the rocker shaft and positioned at an angle to each other so that one stop will lie out of car holding position when the other stop lies in car holding position, a crank member fixed to one end of the rocker shaft to be moved downwardly by a

descending mine cage to move the car stop in car holding position out of car holding position and to simultaneously move the car stop out of car holding position



into car holding position and resilient means mounted upon one end of the rocker shaft and engaging one of the bearings and a nut carried by one end of the rocker shaft to adjust the tension of said spring.

1,461,514. GRINDING MACHINE. JAMES A. BURNS, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 25, 1922. Serial No. 531,626. 5 Claims. (Cl. 51—206.)

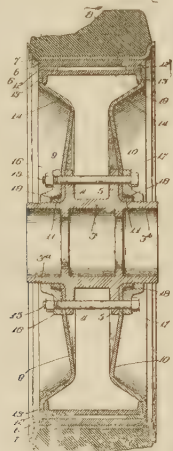


1. The combination in a face disc grinding wheel, of a plurality of angular abrasive blocks disposed near the outer periphery thereof and means for aligning and individually securing said blocks in their respective positions, said means comprising a plurality of screw chuck members mounted on said wheel, each including a clamping plate, a stud bolt an adjusting nut and a tapered wedge sleeve, said clamping plate having a plane surface for engaging said abrasive material and a tapered concave surface in engagement with said wedge sleeve.

1,461,515. METAL WHEEL. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed May 14, 1919. Serial No. 297,101. 14 Claims. (Cl. 301—63.)

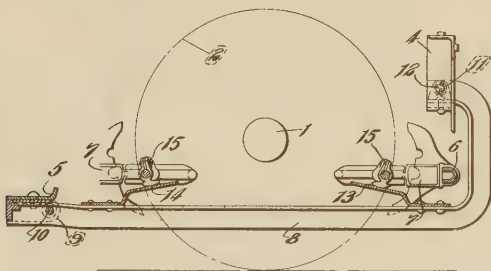
9. A metal wheel, comprising a hub having peripheral flanges between the ends thereof, metal discs adapted to fit against the outer faces of said flanges and having out-turned flanges adapted to bear upon the hub, in-turned flanges at the outer margins of said discs, a rim

secured to said in-turned flanges, said discs having radial portions adjacent to said in-turned flanges and inwardly-inclined portions extending from said radial portions, forming a box-like rim structure, separable collars fitted



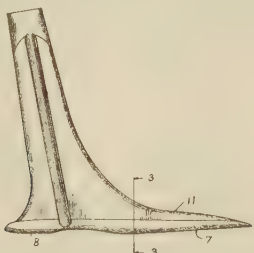
upon the end portions of the hub and bearing against the outer faces of said discs, said collars having recesses which receive said out-turned flanges and means securing said collars to said discs and to said peripheral flanges.

1,461,516. SUPPORT FOR CLASP BRAKE BEAM. EDWIN G. BUSSE, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1922. Serial No. 585,511. 13 Claims. (Cl. 188—213.)



5. In a clasp brake arrangement, a common third or fourth point support for both brake beams applied to the same pair of wheels.

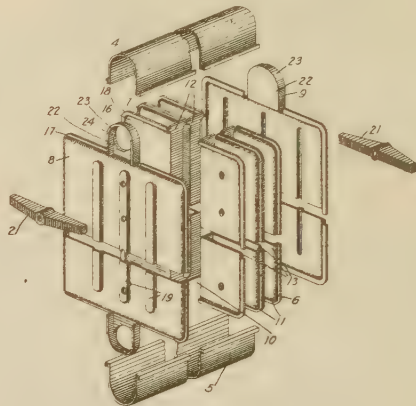
1,461,517. SHOEMAKER'S REPAIR FORM. ROSARIO CASTROGIOVANNI, Brooklyn, N. Y. Filed Oct. 26, 1921. Serial No. 510,490. 1 Claim. (Cl. 12—123.)



In a form of the class described, a sole or base portion substantially flat, producing in elevation substantially a straight line both transversely and longitudinally, and

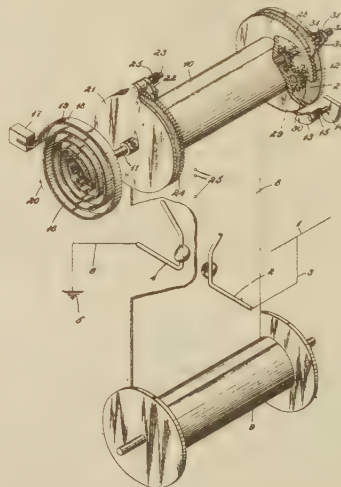
a heel portion therefor also substantially flat, and having a pointed toe portion, a reinforcing web of slight projection from the toe to the shank turning sharply substantially at the instep thereof and in combination side webs extending upwardly from said base to a point beyond the ankle.

1,461,518. TRANSFORMER RADIATOR. WALTER M DANN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 14, 1921. Serial No. 452,357. 8 Claims. (Cl. 257—139.)



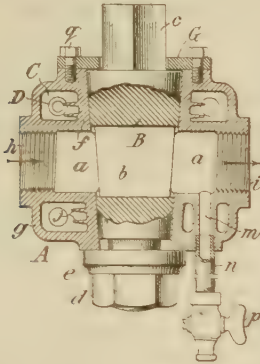
2. A radiator comprising a main chamber enclosed by spaced top and bottom members and two parallel side walls disposed intermediate said members and attached thereto, said side walls severally comprising a plurality of separate members of substantially U-shape disposed in side-by-side relation the adjacent edges of which are welded together to form auxiliary chambers closed on three sides and communicating with said main chamber.

1,461,519. DISCHARGE-INDICATING DEVICE. OTTO H. ESCHHOLZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 14, 1921. Serial No. 469,676. 14 Claims. (Cl. 234—1.)



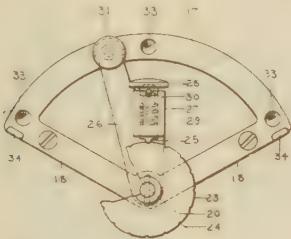
1. In combination with a lightning arrester comprising two spaced discharge members, a discharge-recording member disposed intermediate said discharge members and means dependent upon variations in the atmospheric temperature for moving said discharge-recording member.

1,461,520. VALVE OR COCK. WALTER A. FORMAN, Brooklyn, N. Y. Filed Nov. 17, 1917. Serial No. 202,490. 6 Claims. (Cl. 251—91.)



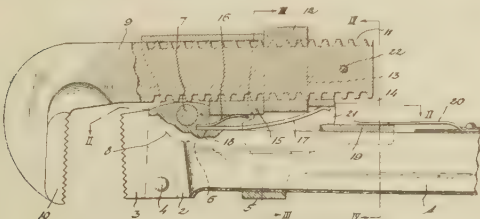
1. A jacketed valve for controlling flow of normally solid or semi-solid material, having a heating jacket surrounding the plug chamber and outlet, with its casing having a drainage duct from the lower part of the valve passage adjacent the valve chamber, and in heat-conducting contact with said jacket adapted to drain off the contents of said passage when the valve is closed to prevent the solidifying of the material and avoid the locking fast of the plug.

1,461,521. CARBURETOR-CONTROLLING DEVICE. FRANK FORNEY and ROBERT H. HOFF, Detroit, Mich. Filed Oct. 31, 1921. Serial No. 511,637. 1 Claim. (Cl. 74—39.)



In a carburetor controlling device an instrument-board base comprising an arc shaped indexing strip with indexing indentations therein, united by radial strips at its ends with a central boss, a shaft turning in said boss and connected at one end to the needle valve of a carburetor and having a dial disc fast upon the other, and an operating lever pivoted upon the said shaft, said lever being provided with a latch pin engaging said dial disc and also provided with an index pin engaging the indentations of the said arc shaped indexing strip; the said base being provided also with raised stops in the path of motion of the said operating lever.

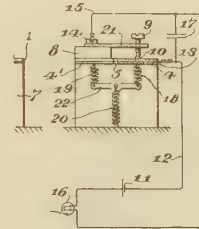
1,461,522. COMBINED PIPE AND NUT WRENCH. GEORGE FORTON, Detroit, Mich. Filed Sept. 21, 1922. Serial No. 589,523. 1 Claim. (Cl. 81—105.)



A wrench comprising a handle bar having a jaw, a strap embracing said handle bar and pivotally con-

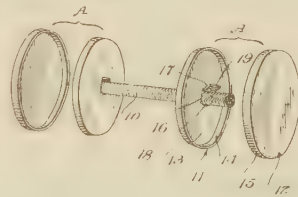
nected thereto, a shank slidable in said strap and provided with a jaw confronting the jaw of said handle bar, means between said handle bar and said shank maintaining said shank normally tilted relative to said handle bar, a nut in said strap in threaded engagement with said shank and adapted for shifting said shank relative to the strap, and a latch slidable on said handle bar into said strap and adapted to prevent tilting of said strap relative to said handle bar.

1,461,523. LIGHT-CONTROLLED MEANS FOR OPENING AND CLOSING AN ELECTRIC CIRCUIT. FRANS JOEL FRANSSON, Stockholm, Sweden, assignor to American Gas-Accumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 15, 1922. Serial No. 588,307. 12 Claims. (Cl. 200—138.)



3. An electric circuit controlling means comprising two yielding flat strips supported in spaced relation to each other, said strips being situated in substantially the same plane, contacts carried by said strips and means whereby the alternate action of light and darkness on said strips causes movement thereof to control said contacts.

1,461,524. CUFF BUTTON. CHARLES ALLEN GODDARD, Cheshire, Conn., assignor to The Ball and Socket Manufacturing Company, West Cheshire, Conn., a Corporation of Connecticut. Filed Dec. 5, 1922. Serial No. 604,985. 5 Claims. (Cl. 24—102.)

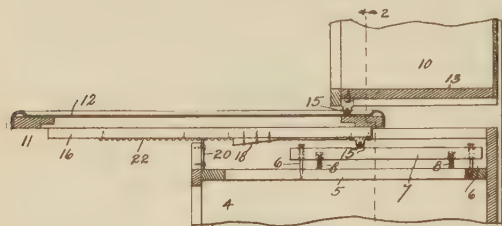


1. The method of manufacturing cuff buttons consisting in passing the free extremities of an elastic member through openings in the backs of the buttons, bending downwardly against the protruding extremities of the elastic member inwardly extending tongues to thereby cause the tongues to engage and anchor the elastic member to the button backs and in so doing to cause the protruding extremities of the elastic members to bend and lie against the inner wall of the button backs and then assembling upon the said inner wall suitable cover members.

1,461,525. SLIDING MOLDBOARD FOR CABINETS. HARRY A. HALL, Newcastle, Ind., assignor to Hoosier Manufacturing Company, Newcastle, Ind., a Corporation of Indiana. Filed Aug. 14, 1922. Serial No. 581,621. 6 Claims. (Cl. 45—16.)

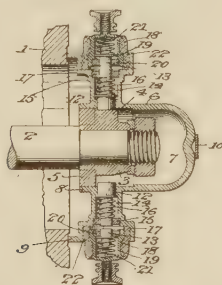
6. In a kitchen cabinet, a base, a superstructure, a mold-board on the base slidable in and out under the superstructure, roller-bearings between the superstructure and mold-board fixed to the superstructure, roller-

bearings under the mold-board fixed to the mold-board, movable track-bars under the mold-board for the last rollers to roll upon, springs to press the track-bars to-



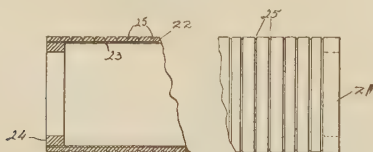
ward the mold-board, and means for holding the mold-board against sliding adjustment at any position of its range in use.

1,461,526. SPARK TIMER. GUSTAVE L. HERZ, New York, N. Y., assignor, by mesne assignments, to Ely Bernays, New York, N. Y. Filed Oct. 11, 1921. Serial No. 507,060. 3 Claims. (Cl. 200—27.)



2. An engine casing, a rotary cam having a concentric portion, a rotatively adjustable housing and contact pieces carried thereby, said housing having an inner circular flange mounted on the concentric portion of the cam, and an outer circular flange pressing against the casing whereby the housing is centered with respect to the axis of rotation of the cam and is positioned longitudinally with respect to the cam, said housing also having a central chamber for receiving the cam.

1,461,527. RUBBER APRON FOR CARDING MACHINES. THOMAS H. HUNTER and GEORGE W. HUNTER, Philadelphia, Pa. Filed July 16, 1919. Serial No. 311,249. 2 Claims. (Cl. 19—153.)

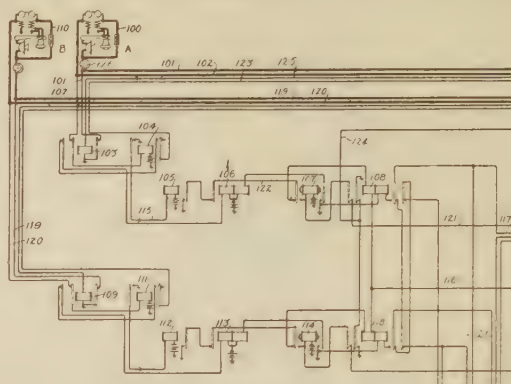


1. A rubber apron comprising a rubber body, a canvas backing fixed to the inner face of said body, and rubber flanges located at each edge of the apron and fixed to the inner face of said canvas backing.

1,461,528. AUTOMATIC SWITCH. FRANK S. IRVINE, Huntington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1920. Serial No. 411,880. 9 Claims. (Cl. 179—18.)

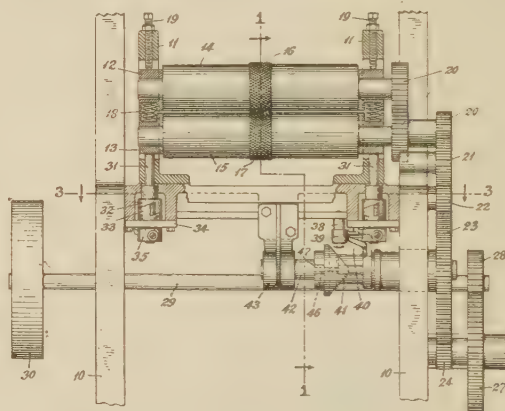
1. In a telephone system, subscribers' lines arranged in a plurality of groups, automatic switches arranged in a plurality of groups for serving all of said lines, and arranged to be taken for use in a given order, each group of switches arranged to serve as first choice a different one of said groups of lines, means responsive to a call

in any group of lines to operate an automatic switch in the group normally serving such group of lines as first choice, means for operating a switch in another group when all the switches normally serving as first choice the group of lines containing the calling line are busy, a



preference device for changing the order in which the switches of a group are to be taken for use, and means responsive to the operation of a switch for operating said device whether the operated switch is taken to serve its first choice group of lines or another group.

1,461,529. TOBACCO-LEAF MACHINE. GRAHAM H. JACKSON, Newark, N. J., assignor to Universal Tobacco Machine Co., New York, N. Y., a Corporation of New York. Filed Dec. 24, 1921. Serial No. 524,675. 7 Claims. (Cl. 131—57.)



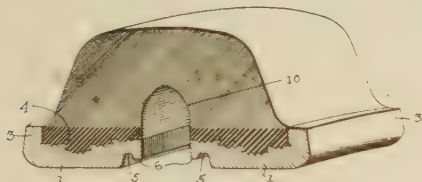
1. In a tobacco leaf-treating machine, the combination of stem-treating rolls and means for automatically moving one of said rolls out of operative relation with the other at a predetermined point in the treatment operation.

1,461,530. DRAFTING INSTRUMENT. JOSEPH A. KAMINSKI, Chicago, Ill. Filed Dec. 20, 1920. Serial No. 431,829. 5 Claims. (Cl. 33—27.)



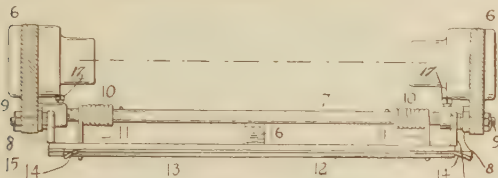
1. In a device of the class described the combination of a support, a member connected to the support, said member having a marking element connected thereto, said member including a plurality of telescopic members adapted to be extended and retracted and held with relation to each other, and means for adjusting said elements relatively to the support when said telescopic members are held together.

1,461,531. METHOD OF MAKING CUSHION-TIRE STRUCTURES. FRED R. KLAUS and FRANK H. MEYER, Warren, Ohio. Filed Feb. 2, 1923. Serial No. 616,510. 11 Claims. (Cl. 29—159.)



1. The method of making a tire base or rim which comprises forming complementary locking means on endless annular side sections and an endless ring of smaller diameter, and stretching said ring into engagement with said side sections.

1,461,532. CUTTER BAR FOR LAWN MOWERS. EDWIN C. LANE, Mahwah, N. J. Filed Mar. 5, 1921. Serial No. 449,714. 5 Claims. (Cl. 56—294.)



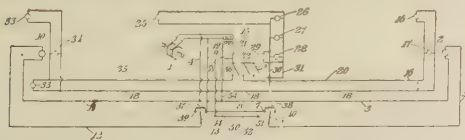
3. In a lawn-mower having a cutting reel, a transverse member, a wire coiled at one end to form a spring and secured to the transverse member adjacent to each side frame, and a lower blade lifted at each end by the ends of the spring wires by an upward movement of their ends.

1,461,533. HAIR CURLER. ORA D. MCCLINTOCK, San Francisco, Calif. Filed Oct. 10, 1921. Serial No. 508,541. 2 Claims. (Cl. 132—43.)



1. A hair curler comprising a rubber covered hairpin member of soft wire provided with a medial loop, and a piece of rubber tubing adapted to surround the ends of said hair-pin member and be engaged thereon by returning the ends of said hairpin member.

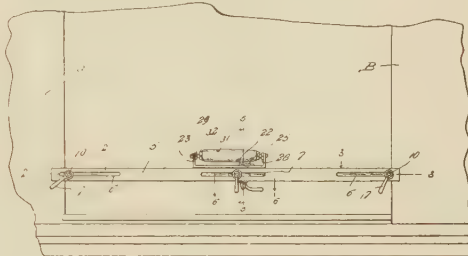
1,461,534. STEAM-LOCOMOTIVE LIGHTING SYSTEM. ALEXANDER MCGARY, New York, N. Y. Filed Feb. 11, 1920. Serial No. 357,896. 3 Claims. (Cl. 290—3.)



1. A steam locomotive lighting system having in combination an alternating current generator driven by

steam from the locomotive one or more headlights fed by the generator at the generator voltage, a step down transformer also connected to the generator and locomotive lights connected to be supplied from the generator through said transformer at a relatively low voltage, and means whereby said one or more headlights may be supplied at relatively low voltage from said transformer to dim the same.

1,461,535. CAR-DOOR ROLLER. CHARLES MCGOWAN, GUSTAF PETERSON, and ARTHUR A. LUND, Susanville, Calif. Filed Dec. 18, 1922. Serial No. 607,573. 2 Claims. (Cl. 193—42.)



1. A device of the class described comprising a supporting bar of channel form having longitudinally extending elongated slots in the web thereof and at its ends, bolts extending through and slidably disposed in said slots and having nuts threaded upon the outer ends thereof, said bolts being provided with laterally extending inner ends forming clamping arms, a block slidably disposed in the channel of the supporting bar and projecting beyond the free longitudinal edges of the flanges of said supporting bar, said supporting bar having a further central longitudinally extending elongated slot in the web thereof, a bolt extending through the last named slot and through said block, a nut upon the outer end of the bolt for adjustably clamping the block against sliding movement, and a roller supporting bracket pivotally mounted on said block.

1,461,536. YARN-TENSION DEVICE. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Oct. 21, 1921. Serial No. 509,249. 8 Claims. (Cl. 242—150.)



1. A tension device for stop motions including a suitable yarn support carried by the stop motion drop arm, and a gravity operated non-metallic tension disc having substantially the softness of hard fibre, normally resting on said support.

1,461,537. YARN-TENSION DEVICE. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Oct. 21, 1921. Serial No. 509,250. 8 Claims. (Cl. 242—150.)

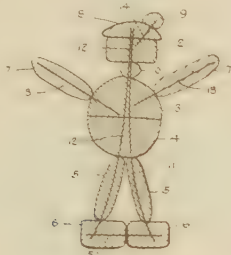


1. A tension disk having a yarn contact surface of a metal having substantially the softness of lead.

1,461,538. SHEET-METAL BUILDING. ANGUS MCKENZIE, Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y., a Corporation of New York. Filed May 15, 1918, Serial No. 234,790. Renewed Dec. 13, 1922. 6 Claims. (Cl. 189—2.)

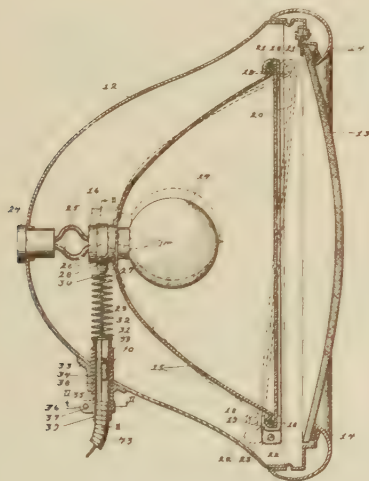
6. In a knock down building of the character described, the combination with an angle iron base, of studs mounted

1,461,543. CANDY NOVELTY. JULIA R. PETTIT, Montclair, N. J., assignor to Huyler's, New York, N. Y., a Corporation of New York. Continuation of application Serial No. 500,326, filed Sept. 13, 1921. This application filed Oct. 25, 1922. Serial No. 596,757. 4 Claims. (Cl. 46—40.)



4. A candy figure representing an animate object comprising a plurality of pieces of candy having suitable configurations to represent the head, body, legs and feet, said feet being adapted to support the object in upright position, wholly concealed means passing at least through the feet, legs and into the body portion to support same in fixed predetermined relationship, and means for securing other parts to said head and body.

1,461,544. HEADLIGHT. TRUMAN W. POST, Providence, R. I., assignor to Electric Autolite Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Sept. 12, 1917. Serial No. 190,977. 19 Claims. (Cl. 240—41.)

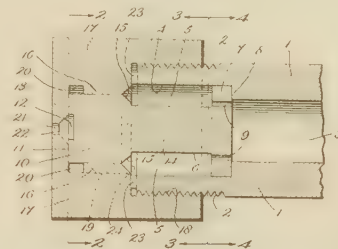


6. A device of the class described, comprising the combination of a casing; a reflector pivotally mounted therein; means for moving said reflector; and a single stop for limiting the movement of said reflector in both directions.

1,461,545. MECHANICAL PRESSURE ATOMIZING FUEL BURNER. WILLIAM R. PURNELL, Philadelphia, Pa. Filed June 4, 1921. Serial No. 475,143. 6 Claims. (Cl. 299—120.)

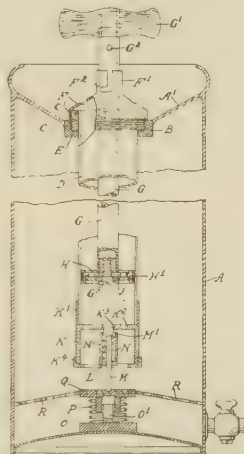
1. In a mechanical pressure atomizing fuel burner the combination of a burner pipe provided with a chamber; a tip member provided with a recess having lugs and a passage between said lugs and with an orifice communicating with said recess, secured to said pipe; and a plug member provided with an enlarged end portion having a circular recess constituting a whirling chamber, and a passage tangential to the periphery of said circular recess,

communicating with said first mentioned recess, said lugs being adapted to engage said enlarged end portion to position said plug member and said plug member also pro-



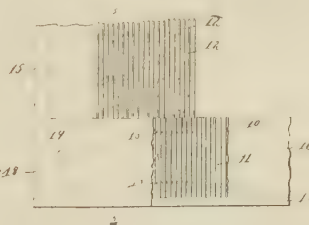
vided with a plurality of passages disposed parallel to the axis of said pipe and entering said chamber from said pipe, substantially as described.

1,461,546. APPARATUS FOR SPRAYING LIQUIDS BY COMPRESSED AIR. ROBERT ROBERTSON, London, England, assignor of one-half to Frank Hale Austin, Audlem, Chester, England. Filed June 17, 1920, Serial No. 389,693. Renewed May 31, 1923. 4 Claims. (Cl. 299—96.)



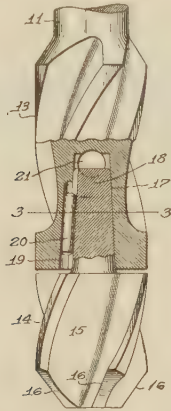
1. In a spraying apparatus wherein a pump is mounted in a container and has an outlet valve to establish communication between said pump and the container an agitator in said container operatively connected to said outlet valve to be actuated thereby in one direction when said outlet valve is opened, and means in said container adapted to actuate the agitator in an opposite direction.

1,461,547. REED FOR LOOMS. PAUL A. WAGNER, Jersey City, N. J. Filed Sept. 23, 1921, Serial No. 502,641. Renewed Dec. 9, 1922. 5 Claims. (Cl. 139—91.)



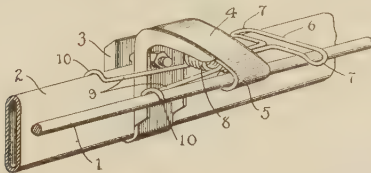
1. In a reed, a holder having grooves therein, dent-ends received in said grooves, and means formed by offsetting a portion of each dent-end for frictionally engaging such end with the walls of its groove.

- 1,461,548. METAL-WORKING TOOL. CLAUDE A. WEST, Detroit, Mich. Filed May 5, 1921. Serial No. 466,870. 3 Claims. (Cl. 279-9.)



1. A drive for metal working tools comprising in combination, a member provided with a tapered circular socket and with a bore extending longitudinally of the socket, the bore cutting through one side of the socket with a major portion of the bore circumference lying outside the socket circumference, a member having a tapered shank to fit said socket and provided with a longitudinal groove, and a key of circular form in cross-section fitting within the bore and held therein by engagement therewith with a side portion thereof projecting into said socket to engage and fit within the groove in the shank.

- 1,461,549. ANTIRATTLE. FLOYD G. WITHROW and HAROLD O. VAN ANTWERP, Grand Rapids, Mich.; said Van Antwerp assignor to said Withrow. Filed Nov. 12, 1921. Serial No. 514,836. 5 Claims. (Cl. 188-1.)

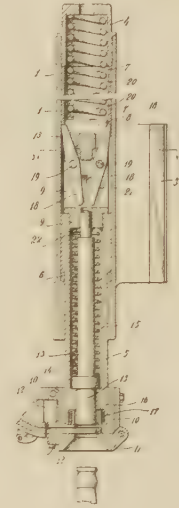


1. The combination with a brake rod and radius rod extending substantially parallel and a supporting member fixed to the radius rod and having an eye through which the brake rod extends of an anti-rattler engaging both the radius rod and brake rod adjacent the supporting member and exerting a pressure on the brake rod to press it against one surface of said eye.

- 1,461,550. COMPENSATING MECHANISM FOR BOTTLE-CAPPING MACHINES. CARL WALKER KENDALL, Glenside, Pa., assignor to Columbia Machine and Stopper Co. Inc., New York, N. Y., a Corporation of New York. Filed June 4, 1920, Serial No. 386,614. Renewed June 1, 1923. 4 Claims. (Cl. 226-84.)

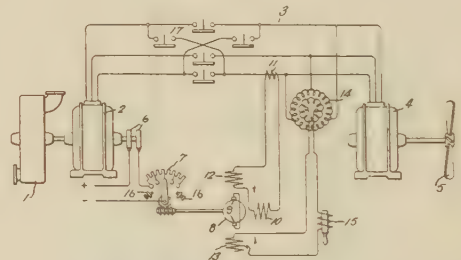
1. A compensating mechanism for a bottle capping machine comprising, in a capping head, a main supporting member including a hollow cylinder, a cap-applying piston adapted to slide upwardly within said cylinder, a locking lever fulcrumed upon the upper end of said piston and adapted to have locking engagement with said cylinder thereby positively to lock said piston against upward movement in said cylinder, a bottle-ejecting plunger within said piston and adapted at its lower end to be engaged by the capped end of the bottle

to be moved upwardly thereby and adapted at its upper end to engage with and release said locking lever upon a predetermined extent of movement of said bottle end into said throat, a restoring spring to return said piston



to the cap-applying position, and a bottle-ejecting spring for said plunger for ejecting the capped bottle, and a restoring spring for the locking lever for moving it to the locking position.

- 1,461,551. SHIP-PROPULSION SYSTEM. CAMPBELL MACMILLAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 19, 1921, Serial No. 501,651. Renewed May 10, 1923. 3 Claims. (Cl. 171-119.)

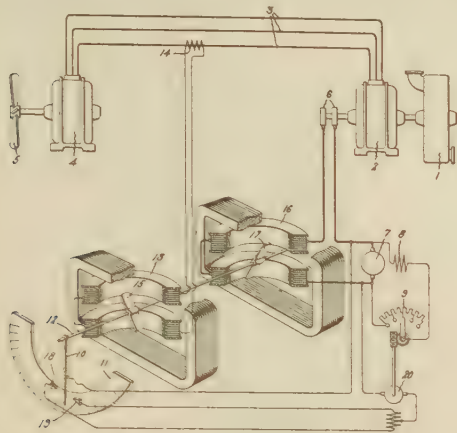


1. In an electric power system of the class described, an adjustable speed generating machine of the synchronous type, a load driving dynamo electric machine supplied thereby, means for controlling the excitation strength of one of said machines, a commutator type dynamo electric machine having a freely rotatable element connected to operate said excitation controlling means, said commutator machine comprising a winding connected in series relation with said generator and an opposing winding connected to respond to the voltage of said generator and means in the circuit of said voltage winding to render the current therein substantially independent of changes in generator voltage due to changes in speed.

- 1,461,552. SHIP-PROPULSION SYSTEM. ALBERT H. MITTAG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 19, 1921. Serial No. 501,652. 5 Claims. (Cl. 172-8.)

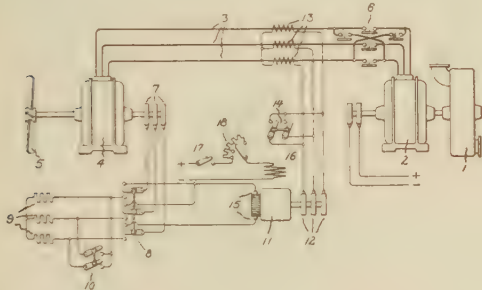
1. In an electric power system wherein a variable speed synchronous generator is arranged to supply operating

current to an alternating current work motor, stability responsive means comprising a pair of coils arranged



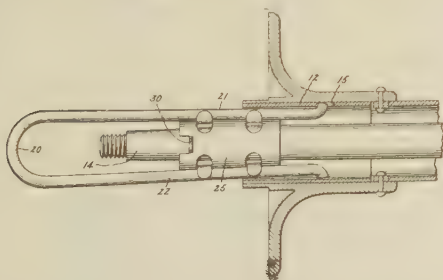
to produce opposing effects and connected respectively in series relation with the work motor and generator field circuit.

1,461,553. ELECTRIC SHIP PROPULSION. ALBERT H. MITTAG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 24, 1921. Serial No. 502,925. 4 Claims. (Cl. 172—8.)



1. An electric ship propulsion system comprising an adjustable speed synchronous generator, a propeller driving motor provided with an armature having a phase winding adapted to be supplied with direct current for synchronous operation, a rotary converter having its alternating current end connected in series relation between said generator and motor and means for connecting the direct current end of said rotary converter to said phase winding for synchronous operation of said propeller motor.

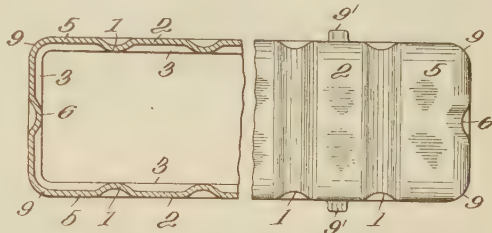
1,461,554. BUSHING EXTRACTOR. ANDREW RAFFAY, Schenectady, N. Y. Filed Apr. 3, 1922. Serial No. 549,067. 12 Claims. (Cl. 29—88.)



1. A bushing extractor comprising a pulling tool having a hook end adapted to engage the bushing, and a

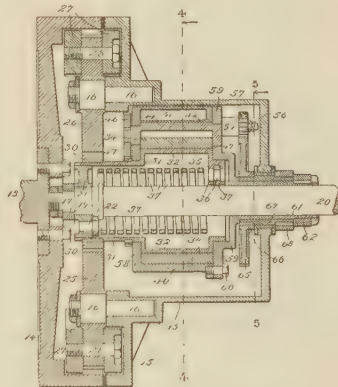
sleeve movable along the said tool toward the hook end thereof and adapted to be slid over the axle spindle for holding the hook end of the pulling tool in locking engagement with the bushing.

1,461,555. CAST-METAL ANNEALING BOX. EMIL C. RAUSCHENBERG, Wheeling, W. Va., assignor to Wheeling Mold & Foundry Co., Wheeling, W. Va. Filed Dec. 28, 1922. Serial No. 609,415. 5 Claims. (Cl. 263—49.)



1. A cast metal annealing box having its body portion provided with depressed corrugations extending upward and continuous across the center of its top, said depressions being separated by straight stiffening portions.

1,461,556. VARIABLE-SPEED TRANSMISSION. JOHN REECE, Boston, Mass., assignor to Reece Transmission Company, Boston, Mass., a Corporation of Maine. Filed Mar. 11, 1920. Serial No. 364,897. 9 Claims. (Cl. 74—34.)

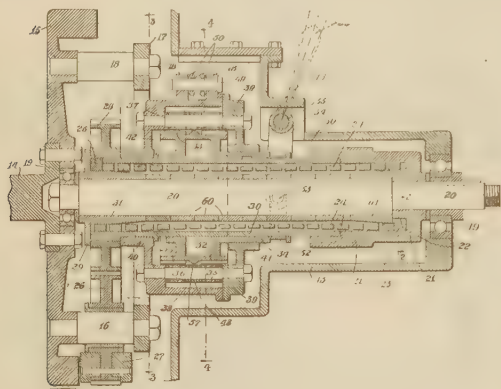


1. In combination, a driving member, an intermediate member actuated from the driving member, and a driven member actuated from the intermediate member, the intermediate member comprising a rotatable piston, a stationary cylinder co-operating with said piston, a liquid connection between said piston and cylinder, and means for holding said liquid against rotation in one direction and permitting it in the other.

1,461,557. POWER TRANSMISSION. JOHN REECE, Boston, Mass., assignor to Reece Transmission Company, Boston, Mass., a Corporation of Maine. Filed Jan. 25, 1922. Serial No. 531,591. 7 Claims. (Cl. 74—34.)

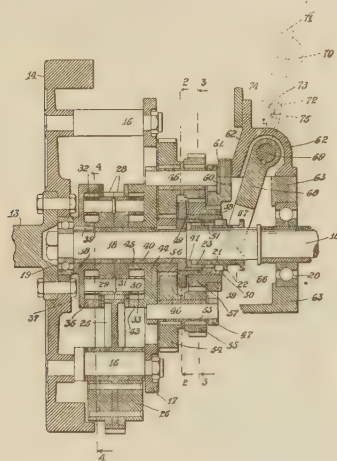
1. A variable speed transmission apparatus comprising in combination, a rotating driving member, a yielding and reasserting device carried on said driving member, a rotatable driven member, and a train of connec-

tions, between said device and the driven member, including a one-way device controlling the same, where



by rotation is transmitted through said first device, in one direction only, to the driven member, and means for cushioning the action of said one-way device.

1,461,558. POWER-TRANSMISSION APPARATUS
JOHN REECE, Boston, Mass., assignor to Reece Transmission Company, Boston, Mass., a Corporation of Maine. Filed Jan. 25, 1922. Serial No. 531,592. 9 Claims. (Cl. 74—34.)

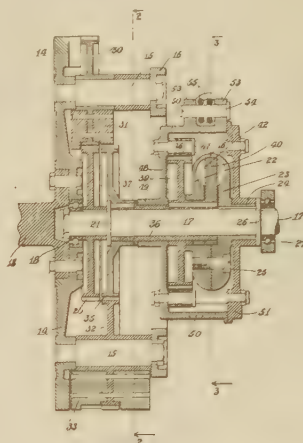


1. A variable speed transmission apparatus comprising in combination with the rotating driving and driven members, a yielding and reasserting device arranged to be carried around with said driving member, operating to yield in one phase and reassert itself in the next phase, when the driving and driven members are rotating at different speeds, connections between said device and the driven member for rotating the latter during the first phase, and other connections for rotating the latter in the same direction during the second phase.

1,461,559. POWER-TRANSMISSION APPARATUS.
JOHN REECE, Boston, and FRANKLIN A. REECE, Brookline, Mass., assignors to Reece Transmission Company, Boston, Mass., a Corporation of Maine. Filed Jan. 25, 1922. Serial No. 531,593. 9 Claims. (Cl. 74—34.)

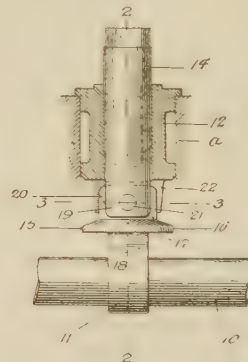
1. A variable speed transmission apparatus comprising in combination, a rotating driving member, a yielding and reasserting device carried on said driving member, a rotatable driven member, a train of connections, between

said device and the driven member, including a one-way control means controlling the same, whereby rotation is transmitted through said device, in one direction only, to



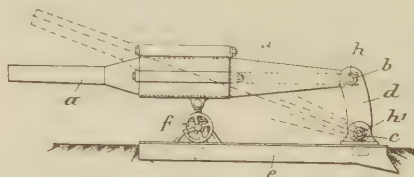
the driven member, and a second such device and connections for transmitting to the driven member when the first device is not transmitting.

1,461,560. VALVE TAPPET FOR INTERNAL-COMBUSTION ENGINES. GEORGE R. RICH, Los Angeles, Calif. Filed Sept. 23, 1922. Serial No. 590,026. 9 Claims. (Cl. 123—90.)



1. A valve tappet, comprising a tappet body and a separate tappet head swiveled thereto on a line running crosswise of an associated cam shaft, whereby the head may adjust itself to engage the cam squarely across its face.

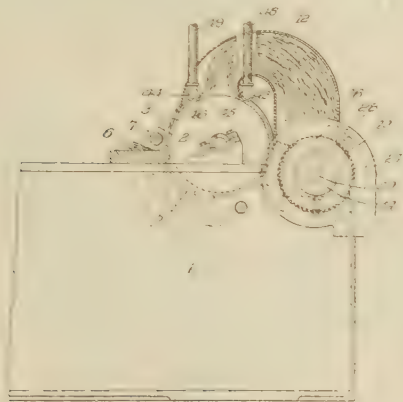
1,461,561. RECOIL GUN. HEINRICH ROMBERG, Dusseldorf, Germany, assignor to the Firm Rheinische Metallwaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed June 28, 1921. Serial No. 481,062. 2 Claims. (Cl. 89—37.)



1. The combination of a recoiling barrel, a cradle therefor, trunnions for the cradle, a platform for sup-

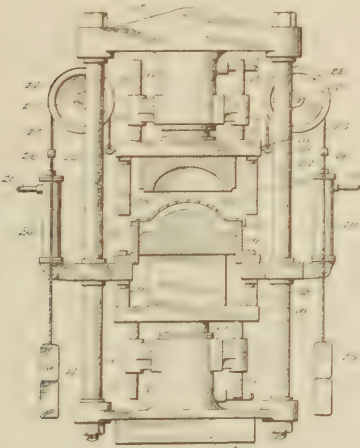
porting the cradle and provided with bearings to which the trunnions may be attached and an intermediate member insertable between the platform and cradle and connected to the trunnion and bearings.

1,461,562. COTTON-CLEANING MACHINE. ELWIN HOLBROOK ROONEY, Providence, R. I. Filed Apr. 28, 1920. Serial No. 377,180. 7 Claims. (Cl. 19—105.)



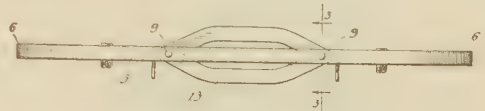
4. In a machine of the character described, the combination of a cleaning cylinder, means to deliver the stock thereto, means to co-act with the cylinder to effect the cleaning of the fibre and means to transfer the fibre from said cylinder comprising means for direction air currents tangentially to the circumference of the cylinder into contact with the fibres and in opposed relation and a transfer chute having an entry opening into which the opposed air currents converge.

1,461,563. WARE-MOLDING APPARATUS AND PROCESS. VICTOR E. SCHMIEDEKNECHT, Louisville, Ky. Filed Oct. 13, 1922. Serial No. 594,392. 6 Claims. (Cl. 25—27.)



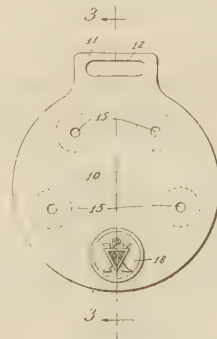
1. That process of forming articles of plastic material which consists in spreading the material over a die through a recticulated depth gauge, striking off the excess material above the depth gauge, removing the depth gauge, bringing an upper die into contact with said material and forcing said dies toward each other.

1,461,564. BUMPER. LEWIS F. STAFFORD, Chicago, Ill., assignor to Stafford Spring Guard Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 21, 1921, Serial No. 516,729. Renewed May 29, 1923. 6 Claims. (Cl. 293—55.)



1. A bumper comprising an impact member, arms extended therefrom for attachment to a vehicle, a supplementary member having means for attachment to a vehicle and the central portion whereof extends parallel and adjacent the corresponding portion of the impact member, and an element of greater width than the impact member interposed between the latter and said supplementary supporting member and secured to said members.

1,461,565. ATHLETE'S MEDAL. CHARLES J. VEITE, Waterbury, Conn. Filed Dec. 28, 1922. Serial No. 609,459. 6 Claims. (Cl. 40—1.6.)



1. In an athlete's medal, a disk having a plurality of perforations, and a plurality of ornamental panels adapted to be detachably secured in said perforations to indicate the achievements of said athlete in various branches of sport or other activities.

1,461,566. BAFFLE BLOCK AND COMBUSTION-CHAMBER TOP. RUFUS D. WADLEIGH, Old Town, Me. Filed Apr. 30, 1921. Serial No. 465,714. 2 Claims. (Cl. 110—99.)

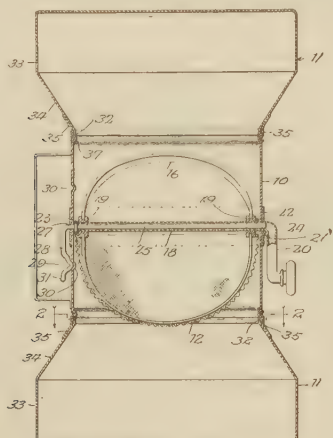


1. A baffle block consisting of the combination of a frame; a plurality of non-combustible brick, each having a transverse slot upon one of its faces; bolts passing through said slots and the sides of said frame; and means of detachably hanging said blocks to an overhead support.

1,461,567. FLOUR SIFTER. HARRIETT V. WHEELER, Chicago, Ill. Filed Oct. 5, 1921. Serial No. 505,486. 7 Claims. (Cl. 83—60.)

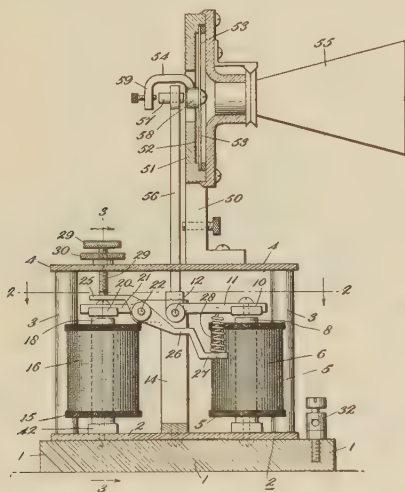
1. A sifter utensil comprising a container open at its end and adapted to be endwise reversed, a reversible sifter and a rotary beater therein, a measuring cup and closure fitted over the open end of said container, said measuring cup and closure embracing a closed end por-

tion of greater diameter than the container and a tapered portion which telescopes in the open end of the



container, and a handle for the container positioned within the circumferential outline of the larger diameter of the measuring cup.

1,461,568. TELEGRAPHIC RECEIVING INSTRUMENT. CHARLES ADAMS-RANDALL, New York, N. Y. Filed Sept. 27, 1920. Serial No. 412,944. 5 Claims. (Cl. 178—100.)

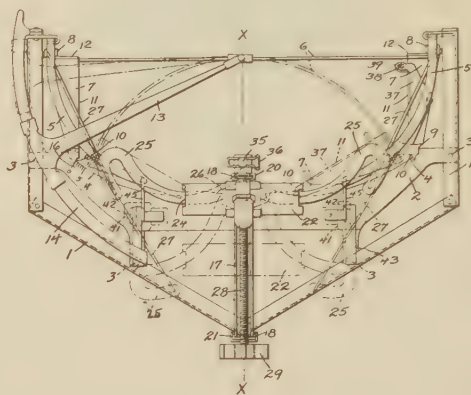


1. In a telegraphic receiving instrument, the combination of an electro-magnet; an armature for said magnet; a second electro-magnet; a second armature for said last named magnet; separate pivots for said armatures; a vertical pivot around which said second magnet may revolve to adjust its attraction for said second armature; a spring to hold said second magnet in its new position after having been moved around said vertical pivot; a lever mounted on the pivot of said second armature; an adjusting screw for one end of said lever; and a spring located between said first named armature and the other end of said lever, substantially as described.

1,461,569. CIRCLE-GAUGING INSTRUMENT. HERBERT J. ADAMS, Battle Creek, Mich. Filed June 7, 1920, Serial No. 387,241. Renewed May 28, 1923. 19 Claims. (Cl. 33—177.)

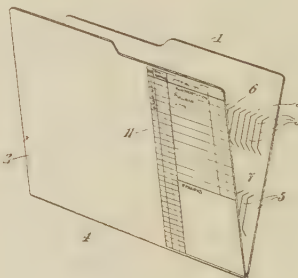
6. In a circle gauging instrument, the combination of a framework embracing right and left guides and a chan-

nel in line directed midway between the guides; a normally straight flexible bar and a pair of arms fastened to its ends and projecting perpendicularly therefrom and provided with lugs affording them sliding engagement with the guides for carrying the arms towards each other and so guided throwing the bar into uniform curves upon its being sprung, for gauging and ruling circles in series of limited range; a transverse plate and means affording it sliding engagement along said channel and for stopping it thereon and releasing it; a pair of lever arms pivoted to the channel and connected with the arms by a pair of rods, said lever arms being slidably confined in right and left openings in said trans-



verse plate adapting them for being actuated by movement of the plate for moving the arms and curving the bar; a clip adapted to impinge on the flexible bar midway its length; a stay bar having one end vertically pivoted to the clip; a curved guide fastened to the frame clear of the swing of the arms and centering at said midway point; guide lugs on the stay bar affording it sliding engagement with said curved guide, said stay bar being adapted upon downward pressure thereon for steadying the flexible bar on the drafting board and for being swung to clear either side of the flexible bar either in straight or curved form; substantially as described and shown.

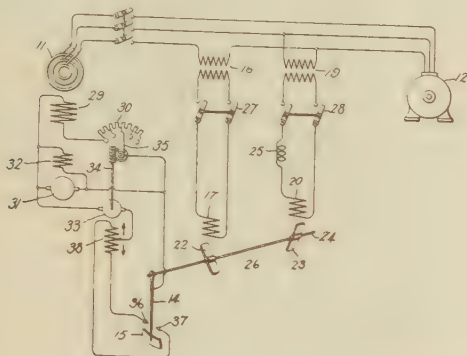
1,461,570. FILING DEVICE. ALBERT A. AINSWORTH, Brooklyn, N. Y. Filed Apr. 5, 1918. Serial No. 226,865. 9 Claims. (Cl. 129—16.7.)



1. A folder of the vertical filing type, one of the leaves thereof having gummed tabs formed therein for holding a series of record sheets in laterally extended order, said tabs being joined at their ends to the leaf.

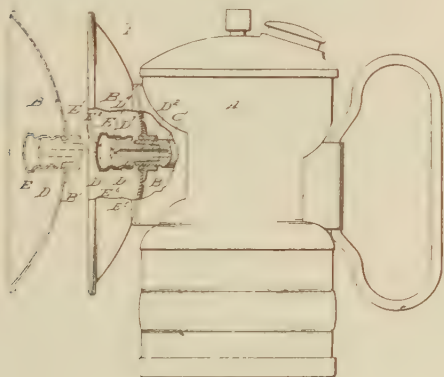
5. A filing folder formed of sheet material and having a plurality of series of record sheet-holding means arranged to hold a plurality of series of record sheets in a superposed flat and laterally extended position between the leaves of the folder.

1,461,571. CONTROL SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 23, 1920. Serial No. 368,196. 23 Claims. (Cl. 171-119.)



1. In an electric system, a source of alternating current, a motor load supplied thereby, and means responsive to the characteristics of the motor load for indicating directly the degree of stability of the motor load.

1,461,572. ACETYLENE LAMP. JOHN M. BROCK, Brooklyn, N. Y. Filed June 23, 1920. Serial No. 391,107. 3 Claims. (Cl. 240-1.)

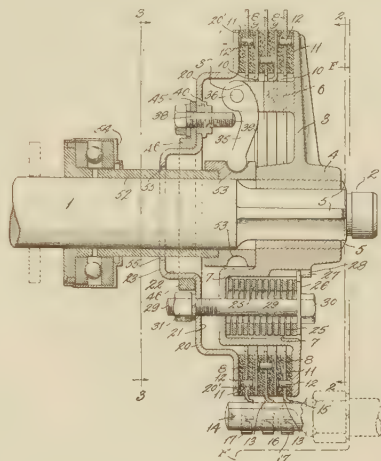


1. A lamp comprising a burner tube provided with an internal burner-receiving surface; a burner having a securing portion including a surface adapted to conform with the internal burner-receiving surface of the tube and to be disposed within the tube; said burner having a portion constituting a shoulder which extends beyond a marginal edge of the burner tube when the burner is disposed therein; and a member disposed on the outer surface of the burner tube back of the shoulder on the burner, said member being adapted to engage the shoulder on the burner when being removed, whereby separation of the member and the burner tube will also effect removal of the burner from within the tube.

1,461,573. FRICTION CLUTCH. ARTHUR B. BROWNE, Detroit, Mich.; Anna H. Browne executrix of said Arthur B. Browne, deceased. Filed Oct. 16, 1920, Serial No. 417,351. Renewed Sept. 14, 1922. Serial No. 588,289. 19 Claims. (Cl. 192-69.)

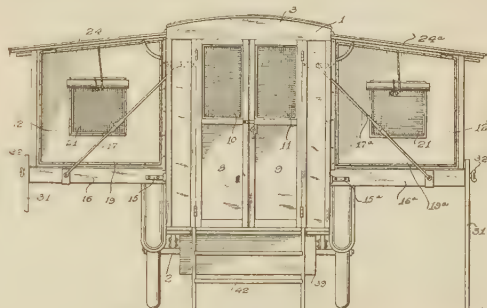
1. A clutch comprising a shaft, a main plate irrevolvably mounted thereon, a pressure plate, a driving disk between the plates, direct acting spring means arranged

to urge the main plate and pressure plate together to frictionally clamp the disk, and a releasing lever inde-



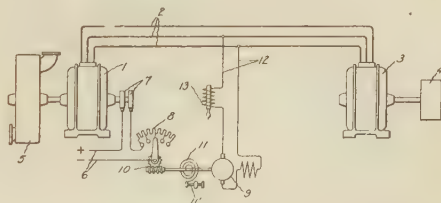
pendent of the spring means and pivoted on the main plate and arranged to act on the pressure plate to move the plates apart to release the clutch.

1,461,574. CAMPING TRAILER. MEYER CAPLAN, Brooklyn, N. Y. Filed Aug. 23, 1922. Serial No. 583,810. 3 Claims. (Cl. 296-23.)



1. In a trailer, a portable body, means associated with said body to form sleeping compartments at each side thereof, said means comprising a bottom member hinged to the lower side of the body, end members hinged to said bottom member, a side member hinged to said bottom member, a top member hinged to the body near the upper end thereof, means associated with said end members and with said top member for relatively positioning said members in compartment forming position, and means associated with said end members and with said side member for releasably holding said members in compartment forming position.

1,461,575. SHIP PROPULSION SYSTEM. FREDERIC H. CLOUGH, Hillmorton, near Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Nov. 8, 1920, Serial No. 422,630. Renewed May 10, 1923. 4 Claims. (Cl. 172-8.)

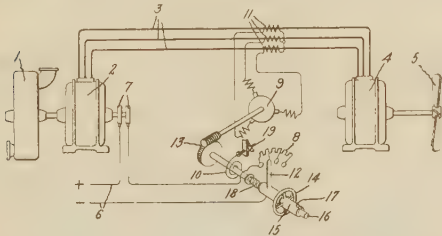


1. In an electric power system an adjustable speed generating machine of the synchronous type, a load

driving dynamo electric machine supplied thereby, and means for controlling the excitation strength of one of said machines comprising a series commutator type torque motor connected to respond to generator voltage and a reactor in circuit with said torque motor substantially to compensate any tendency of the current through said torque motor to change with changes in generator voltage due to changes in speed.

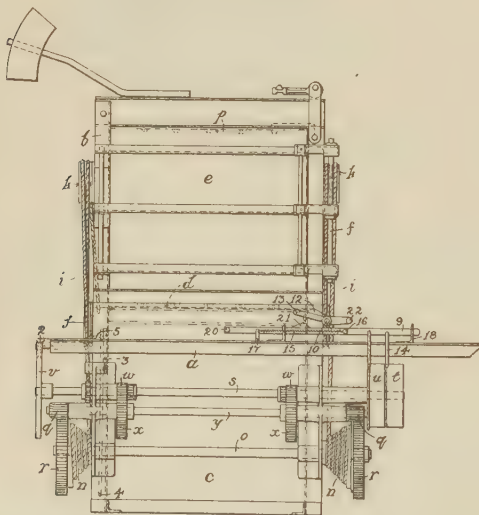
4. An electric ship propulsion system comprising an adjustable speed synchronous generator, a propeller, a propeller driving motor connected to the generator mains, and means for controlling the strength of the generator excitation comprising a series commutator type motor connected across the generator mains, a reactor in series with said commutator motor and means for changing the reactive effect of the reactor in accordance with changes in the current supplied to the propeller driving motor to increase the reactive effect with increases in motor current and decrease the reactive effect with decreases in motor current.

1,461,576. SHIP-PROPULSION SYSTEM. FREDERIC H. CLOUGH, Hillmorton, near Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Jan. 29, 1921. Serial No. 441,029. 4 Claims. (Cl. 172-8.)



1. An electric ship propulsion system comprising an adjustable speed prime mover, a synchronous generator driven thereby, an alternating current propeller driving motor connected to be supplied by said generator, means for regulating the field strength of said generator, and means for operating said regulating means comprising a series commutator type torque motor connected to exert a torque proportional to the current supplied to the motor.

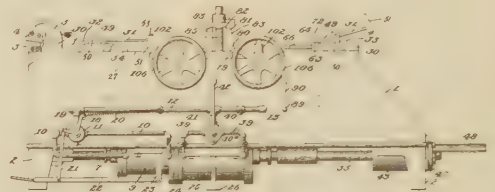
1,461,577. BALING PRESS. THOMAS COOK, Stalybridge, England. Filed July 15, 1920. Serial No. 396,534. 4 Claims. (Cl. 100-121.)



1. In a press, a vertical press chamber having vertical slots in its sides, a press platen provided with arms

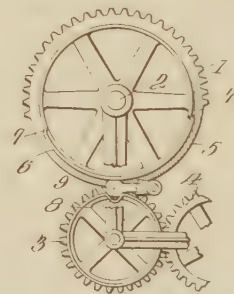
which project laterally through the said slots, lower guide sheaves carried by the said arms, upper guide sheaves carried by the press chamber, flexible connections secured at one end and passing over the said sheaves, fusee drums having the free ends of the flexible connections secured to their larger end portions, and means for revolving the fusee drums simultaneously, and thereby raising the platen with a constantly increasing pressure.

1,461,578. MACHINE FOR REMOVING AND REPLACING METAL PARTS OF TRAIN-PIPE COUPLINGS. WILLIAM D. FAIDLEY, Jr., Clifton Forge, JOHN W. MORRIS, Iron Gate, and SAMUEL A. PATTERSON, Clifton Forge, Va. Filed Dec. 27, 1921. Serial No. 524,910. 13 Claims. (Cl. 29-88.2.)



1. In a machine of the class described, the combination of a hose support, fittings, carriers arranged at opposite sides of said support and movable toward and from the same, and means between the support and the carriers for compressing clamps about the hose.

1,461,579. GEAR LOCK FOR COTTON TRAMPERS. THADDEUS S. GRIMES, Columbus, Ga., assignor to Lummus Cotton Gin Company, Columbus, Ga., a Corporation of Georgia. Filed June 12, 1922. Serial No. 567,725. 3 Claims. (Cl. 74-7.)

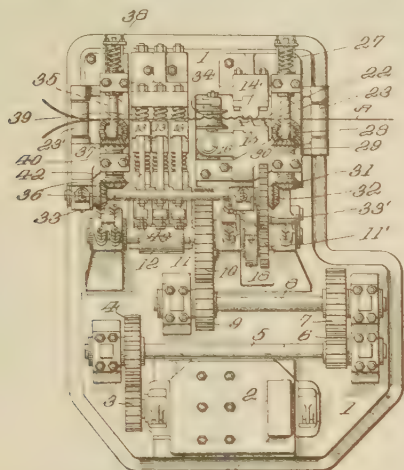


1. In a gear lock, the combination with a main operating gear, a working gear, and an intermediate idler, the working surface of said main operating gear being interrupted by a stop surface, of a locking notch in said idler, and a pawl to engage said notch and be held therein by said stop surface.

1,461,580. APPARATUS FOR SEPARATING ROLLED SHEET-METAL PLATES. JOHN A. HELLSTROM, Wheeling, W. Va. Filed Jan. 28, 1921. Serial No. 440,676. 7 Claims. (Cl. 29-17.)

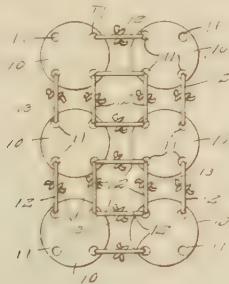
7. An apparatus for separating rolled packs of metal sheets, comprising means for feeding sheets step by step,

dies for corrugating the sheets one corrugation at a time, means for hammering the corrugations, and die



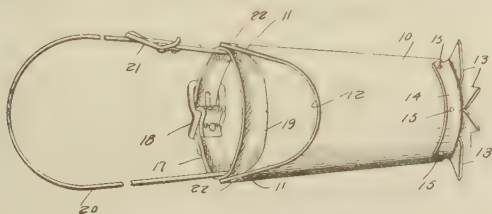
gauges for preventing sideways moving of the pack while being corrugated, whereby the pack is fed straight through the hammering mechanism.

1,461,581. ORNAMENTAL FABRIC. CAPTOLIA JENKINS, Guthrie, Ky. Filed July 11, 1921. Serial No. 483,919. 1 Claim. (Cl. 2—187.)



An ornamental fabric having disks, each disk being in a single piece and provided with a plurality of openings therethrough equidistantly spaced from the center of the disk and from each other and relatively close to the margin of the disk, each disk aside from the openings therethrough being substantially imperforate, connectors of textile material for the disks, said connectors in pluralities passing through each opening, each connector being a strand having its ends ornamentally connected together, and the connectors being in groups to present the appearance of endless elements substantially in checkered relation with the disks.

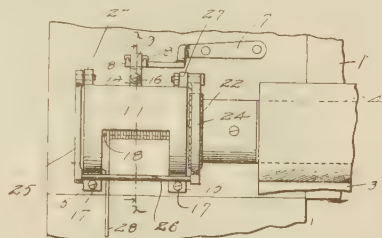
1,461,582. CALF WEANER. EMANUEL WILLIAM NEDVED, Milbore, S. Dak. Filed Mar. 5, 1920. Serial No. 363,426. 1 Claim. (Cl. 119—131.)



A calf weaner comprising an elongated longitudinally tapering transversely curved sheet metal shield, a portion of the rearward edge of said shield being cut away

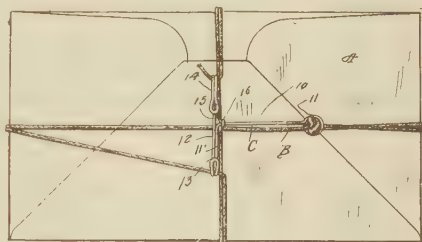
to expose the upper part of the face of the wearer, relatively wide rearwardly extending side plates formed by said cut away portions, a longitudinally curved angle member secured to the forward end of said shield, upstanding spurs carried by said member, attaching means pivotally connected to the side plates adjacent their rear ends, and said side plates serving to prevent lateral displacement of the shield.

1,461,583. SHADE-ROLLER FIXTURE. PETER A. PERSE, Jr., Pueblo, Colo. Filed Apr. 14, 1921. Serial No. 461,186. 6 Claims. (Cl. 156—28.)



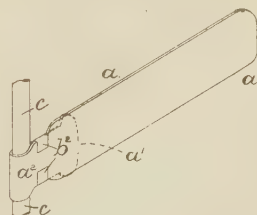
4. A shade roller fixture comprising a sectional casing having its lower portion cut away, a spool mounted in the casing, a socket at one end of the spool, ratchet teeth on the socket, arms at opposite ends of the casing pivoted thereto, one of the arms being curved and provided with a pawl in cooperative relation with the ratchet teeth, a tie rod connecting the free ends of the arms, and an operating cord adapted to wind upon the spool and directly engageable with said tie rod to disengage the pawl from the ratchet teeth when a lowering of the shade is desired.

1,461,584. PACKAGE-TYING DEVICE. LAWRENCE R. SANGSTON, Loveland, Colo. Filed Aug. 15, 1922. Serial No. 581,977. 3 Claims. (Cl. 24—18.)



1. A fastener for a binding element having an arm for attachment to said element, an arm substantially at right angle thereto having a fastening hook for said element at one end and a guide member for the element at the other end, said hook and element being on opposite sides of the first arm, and cross arms extending to the first mentioned arm and one from said hook and one from said guide member to reinforce the hook and guide member.

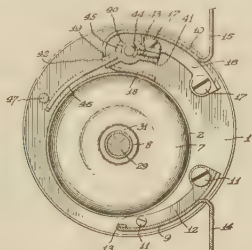
1,461,585. STATIONERY LABEL. MATTHEW RICHARD SCANLAN, Liverpool, England. Filed Nov. 3, 1919. Serial No. 335,478. 1 Claim. (Cl. 40—2.)



The combination of a label adapted to have an end thereof bent on itself to form a loop, a detachable clip

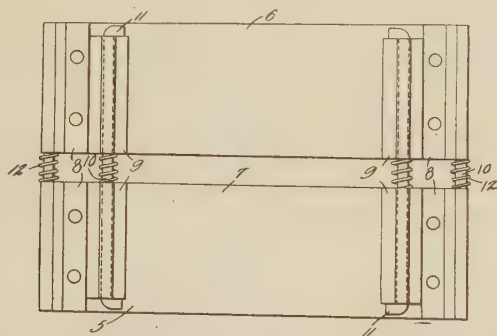
on the looped end of said label, a set of lugs of said clip embracing a portion of said label so that said clip will be attached to said label independent of the looped end of said label, and a second set of lugs bendable independent of the other set of lugs to embrace and hold the end of said label in loop formation, said label having an enlarged end to prevent end withdrawal when the label is in applied position.

1,461,586. LEVEL-WIND FISH REEL. WILLIAM SCHMID, Coldwater, Mich. Filed July 31, 1922. Serial No. 578,559. 13 Claims. (Cl. 242—84.4.)



1. In a fish reel structure in which a spool revolves, reel heads, frame parts connecting said reel heads and cooperating therewith in forming said structure, one of said frame parts forming a guard, and a level wind mechanism in the guard of the frame part adapted to level wind a line on the spool.

1,461,587. EGG CASE. HENRY G. STUEMKE, Good Thunder, Minn. Filed Oct. 8, 1921. Serial No. 506,538. 1 Claim. (Cl. 217—5.)

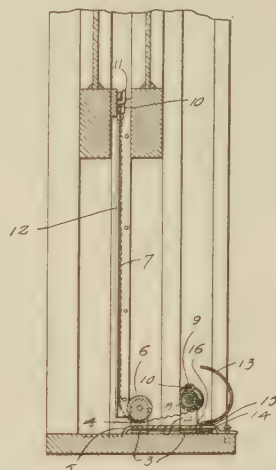


In a device of the character described, opposed sections, guiding members secured to the ends of the sections, rods positioned within the guiding members and having right angled ends adapted to engage the ends of the guiding members to restrict movement of the sections with respect to each other, and coiled springs mounted on the rods and disposed between the sections, the ends of the coiled springs engaging the sections to normally urge the sections away from each other.

1,461,588. WINDOW SCREEN. CHARLES W. TRICKEY, McGrath, Minn. Filed Aug. 11, 1921. Serial No. 491,519. 5 Claims. (Cl. 156—39.)

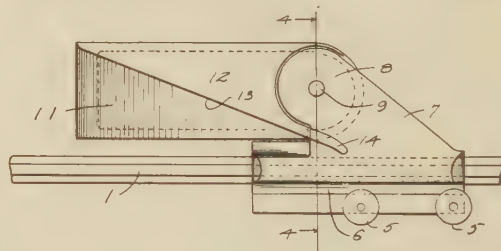
3. Means for screening a window, the same comprising a supporting frame including longitudinal strips having their end portions upstanding, clips secured at one end to the sill of the window frame and engaging the strips of the supporting frame, guide and spring rollers mounted in the upturned ends of the strips, a screen passing around the guide roller and wound upon the spring roller and detachably engaging the lower rail of the sliding sash, guide strips applied to the side of the window frame and engaging the vertical edge portions of the

screen to exclude insects, a cover for the spring and guide rollers having an offstanding portion along one edge and provided with openings adjacent the offstanding portion to receive the said clips, keepers on the offstanding portion



of the cover receiving said clips, and a tongue projecting from the offstanding portion of the cover and adapted to receive a fastening whereby the parts are made secure to the sill of the window frame.

1,461,589. CAR REPLACER. JOHN A. VEAZEY, Youngstown, Ohio. Filed Dec. 5, 1922. Serial No. 605,073. 1 Claim. (Cl. 104—262.)

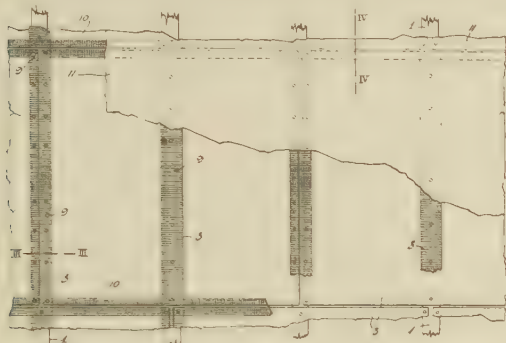


A car replacer comprising a clamp member grooved in its under side to receive a rail and having a portion at one side formed in its top with a longitudinal groove to receive the flange of a car wheel, deflecting wheels mounted upon the member at one side of the grooves thereof to cause the flange of a car wheel to enter said grooves, the opposite side portion of the clamp member including a wing and a circular ear, and a replacing member having a depression at one end to receive said circular ear to which it is pivotally connected, said replacing member comprising an inclined portion and an elevated portion, the two portions being separated by means of a shoulder which is longitudinally inclined to effect a lateral movement of a car wheel as the same mounts the inclined portion.

1,461,590. WALL CONSTRUCTION. CURRY ORA WALKER, Detroit, Mich., assignor of one-third to Frank A. Maslen and one-third to Bernard E. Clark, both of Detroit, Mich. Filed July 24, 1922. Serial No. 576,968. 4 Claims. (Cl. 72—17.)

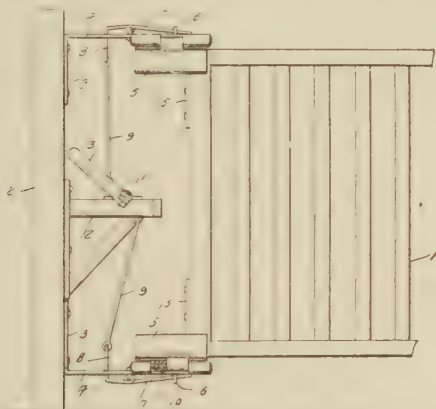
1. A building structure comprising a plurality of supporting members, wall boards secured to said members with their abutting edges having portions capable of movement, a reinforcing material extending across the joint at the abutting edges of said panels opposite the

portions capable of movement, and a surface coating of an elastic plastic material covering the reinforcing material and adhering to the wall boards on opposite sides of the



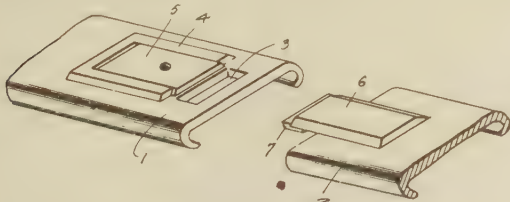
reinforcement, said surface coating and wall boards being capable of relative movement adjacent to their abutting edges.

1,461,591. GATE LOCK. EINO H. WAYRYNEN, East Lake, Minn. Filed Nov. 16, 1921. Serial No. 515,565. 4 Claims. (Cl. 292-48.)



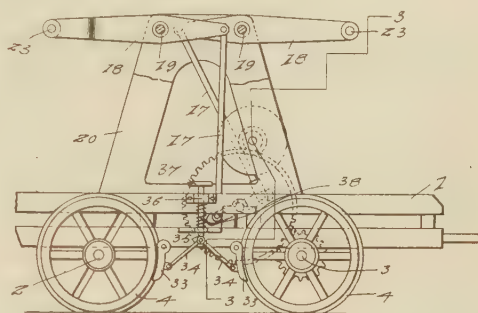
1. In a gate or like swinging closure, upper and lower brackets disposed to extend over the top and beneath the bottom of the gate to prevent vertical movement thereof when closed, and latch elements carried by said brackets to engage opposite sides of the gate to secure the same against lateral movement when closed.

1,461,592. DEMOUNTABLE RIM. JACOB K. WILKENS, Muscatine, Iowa. Filed Oct. 27, 1922. Serial No. 597,317. 1 Claim. (Cl. 301-30.)



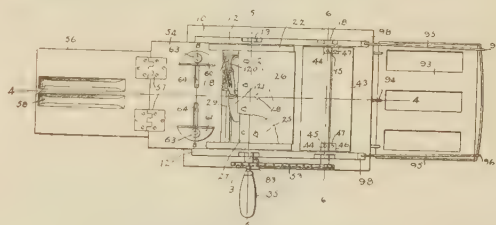
Means for securing the separable ends of a demountable rim, the same comprising an opening formed in one of the ends, a substantially U-shaped keeper on the end provided with the opening and having the open side adjacent the said opening, a locking slide mounted in the keeper and adapted to be moved to extend over said opening, a tongue projecting from the companion end of the rim and having a projection or lip adapted to enter the said opening and retained therein by the locking slide, and means for securing the locking slide in operative position.

1,461,593. HAND CAR. ALLEN B. WOODSON and WARHAM FERRIL, Clarksville, Tenn.; said Woodson assignor to said Ferril. Filed Nov. 11, 1922. Serial No. 600,305. 4 Claims. (Cl. 105-88.)



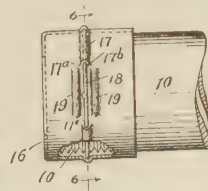
1. In a hand car, the combination with a platform having an opening therein and a driving axle disposed below the platform, of a crank shaft journaled on the platform and extending across the opening, manipulating elements operatively connected to the crank shaft, a gear carried by the crank shaft and rotatable within the opening in the platform and adapted to have rotation when the crank shaft is rotated, a gear loosely mounted on the driving axle and meshing with the first-mentioned gear and adapted to have rotation when the first-mentioned gear is rotated, and means for locking the second-mentioned gear to the driving axle when the said gear is rotated in one direction, so as to effect rotation of the driving axle.

1,461,594. ROTARY PRINTING MACHINE. JOSE M. ALMEDIA, Rock Springs, Wyo. Filed Dec. 22, 1921. Serial No. 524,242. 13 Claims. (Cl. 101-120.)



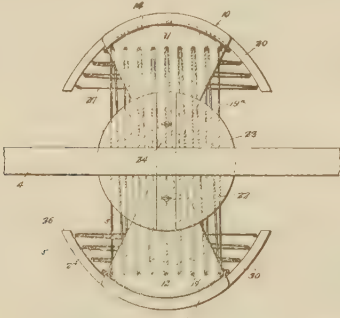
1. A printing machine having printing mechanism, means operable to dry the ink from a printed sheet consisting of a drum, a blotting sheet to surround and fastened adjacent one end to the drum, and latch means on the drum engageable with the sheet adjacent the other end of the sheet.

1,461,595. PIPE-THREAD PROTECTOR. HENRY W. AVERY, Cleveland, Ohio. Filed Oct. 13, 1921. Serial No. 507,481. 6 Claims. (Cl. 137-91.)



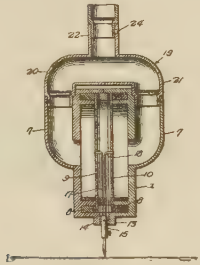
1. A pipe thread protector comprising a sleeve having an internal groove extending part way around it and having an opening communicating with said groove, and a locking key which lies partly in said groove, the diameter of said key being greater than the depth of the groove whereby the key will project into one of the spiral grooves of a threaded pipe upon which the sleeve is fitted.

1,461,596. RESONANCE DEVICE FOR BANJOS. FRANS R. L. BERGE, Port Angeles, Wash. Filed May 24, 1921. Serial No. 472,240. 6 Claims. (Cl. 84—270.)



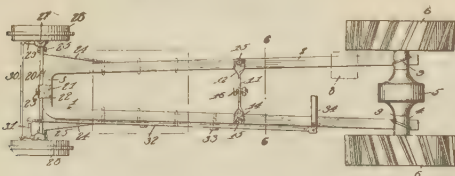
4. As an article of manufacture an attachment for banjos and the like comprising a pair of arcuate wooden strips adapted to be engaged endwise with the inner face of the banjo head, a wire arranged within and strung to each of said strips, a thin wooden bar spanning the space between said strips, said bar having sector shaped heads with longitudinally arranged wire strings mounted on its inner face, a disk-like wooden plate to rest on the center portion of said bar and having a seat on its outer face to engage the inner face of the banjo stick, and set screws threaded through said disk like plate and engaging said bar for varying the pressure of the bar on said arcuate strips and thereby controlling the pressure of said members on the banjo head.

1,461,597. SOUND BOX. ARIZONIA Z. COATS, Newbern, Tenn., assignor of one-half to Elmer Headden, Newbern, Tenn. Filed Oct. 11, 1921. Serial No. 506,954. 1 Claim. (Cl. 274—35.)



A sound box of the class described composed of a cylindrical body the ends of which are equipped each with a sound conveying tube said body being constructed of detachably connected sections, a diaphragm mounted in each of said sections, a spacing ring arranged between said diaphragms, said ring being split and the ends thereof spaced apart, a sound arm extending through the opening in said ring and engaged with said diaphragms, and a needle holder connected with said sound arm.

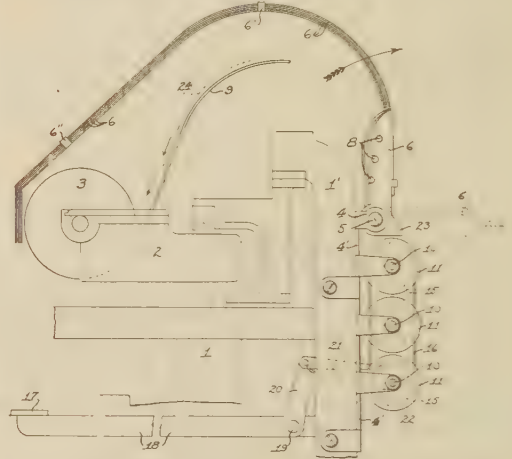
1,461,598. EXTENSION FRAME FOR FORDSON TRACTORS. WILLIAM JEROME WYLIE, Columbia, Miss., and CLARENCE WINSTON COOPER, Oxford, Ala.; said Cooper assignor to George Willard Green, Columbia, Miss. Filed July 3, 1922. Serial No. 572,552. 1 Claim. (Cl. 180—1.)



The combination with a tractor comprising a rear axle casing, rear wheels carried by the casing, a front axle,

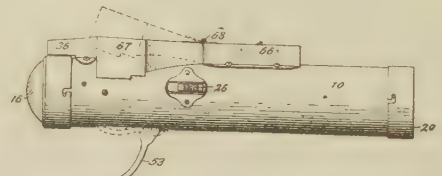
front wheels movably carried by the front axle for steering, and steering mechanism carried by the front axle and operatively connected with the front wheels—of means for associating and connecting the instrumentalities specified, to form a portable power plant, said means embodying a substantially U-shaped carrying frame, mechanism for connecting the front axle to the forward portion of the carrying frame for swinging movement in a vertical plane and in spaced relation to the forward portion of the frame work of the tractor, means for connecting the axle casing of the tractor to the rear portion of the carrying frame, means for securing the front portion of the frame work of the tractor to the carrying frame at a point intermediate the front and rear ends of the carrying frame and far enough from the forward end of the carrying frame to provide ample space for driven machinery to be located between the frame work of the tractor and the forward end of the carrying frame, means for supporting the machinery to be driven on the carrying frame between the frame work of the tractor and the forward end of the carrying frame, and an operating device for the steering mechanism, said device being extended backwardly to a point to the rear of the means which connects the frame work of the tractor with the carrying frame, thereby to permit said device to be operated by the steering element of the tractor.

1,461,599. MANIFOLDING ATTACHMENT FOR TYPEWRITERS. MALCOLM L. COSSITT, Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed July 3, 1922. Serial No. 572,683. 8 Claims. (Cl. 197—153.)



1. A manifolding attachment for typewriters comprising a movable arm mounted upon a stationary portion of the machine frame and thence extending above and clear of the platen carriage to the region of type impact; a manifolding member carried by said arm and adapted to be moved thereby into and out of functional position in the line of type impact, between the sheets of paper to be typed; and means dependent upon the operation of the machine in typing, for varying the surface point of the manifolding member exposed to the type impact.

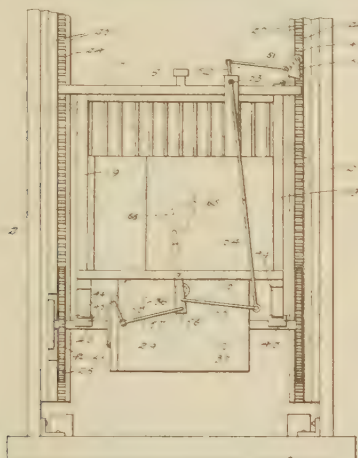
1,461,600. COMBINED LIGHT AND FIREARM. SYLVESTER P. COTTRELL, Buffalo, N. Y. Filed July 8, 1922. Serial No. 573,676. 20 Claims. (Cl. 42—1.)



1. A combined light and firearm comprising an enclosing casing, a lamp arranged in the front part of said casing,

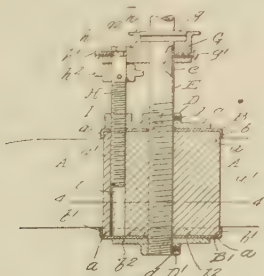
a battery arranged in the rear part of the casing, and a cartridge cylinder arranged in the casing between said lamp and said battery.

1,461,601. ELEVATOR. THOMAS C. CRAIG, Waterbury, Conn. Filed Aug. 24, 1920. Serial No. 405,587. 3 Claims. (Cl. 187-19.)



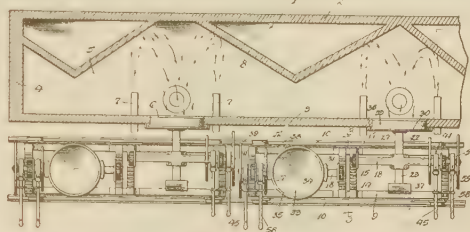
3. In combination with an elevator car and driving mechanism carried thereby, said mechanism including an electric motor, a circuit for said motor, a controller connected with said circuit and said car, conducting elements adapted to be mounted in the elevator shaft, a swingingly mounted trolley bracket carried by the car, wheels mounted on the bracket and adapted to engage the conductors when the bracket is swung to operative position, a lever, a rod having a terminal crank, a link connected at one end to said crank and having its outer end connected to said bracket, a second link connected at one end to a rod, and a third link connected with one end to said lever and at its other end to the second link, whereby said bracket is swung to operative or inoperative position on movement of said lever; a brake for the driving mechanism, said brake comprising a brake wheel mounted on a drive shaft, a brake shoe, to cooperate with said brake wheel, and links connecting said brake shoe and lever, whereby when said bracket is moved to break the circuit of the motor, said brake will be automatically applied.

1,461,602. FITTING FOR REVOLVING CHAIRS AND THE LIKE. ROBERT K. DAWSON, Guelph, Ontario, Canada. Filed June 13, 1921. Serial No. 477,073. 9 Claims. (Cl. 155-138.)



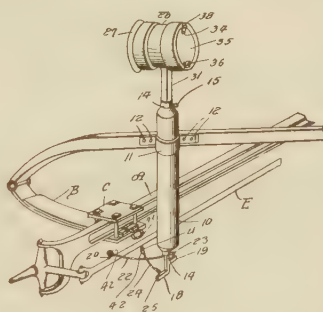
1. Means for connecting the legs of chairs and the like including a plate of relatively thin material adapted to engage said legs, cylindrical projecting parts extending outwardly from said plate and formed integral therewith, a reinforcing member of thicker material adapted to engage said plate at the juncture of said projecting parts with said plate, and means for drawing said member into clamping engagement with said plate.

1,461,603. GLASS-DRAWING APPARATUS. CHARLES DONALDSON, Augusta, Kans., and CHARLES DAY, Okmulgee, Okla. Filed June 24, 1921. Serial No. 480,211. 11 Claims. (Cl. 49-17.)



11. In apparatus of the class described, a truck supported for travel, spaced racks upon the truck, a shaft, gear wheels carried by the shaft and meshing with the rack, means whereby the shaft may be rotated, means for holding the shaft against rotation whereby to hold the same in positions of shifting adjustment effected through its rotation and the meshing of the gear wheels with the racks, a sleeve shaft upon the first-mentioned shaft rotatable independently thereof, means whereby the sleeve shaft may be rotated, means for holding the sleeve shaft against rotation and thus maintain it in positions of adjustment, a supporting member extending from the sleeve shaft, pot supporting means carried by the said member, the said supporting member being located at one side of the sleeve shaft, and counterbalancing means located at the other side of the said shaft.

1,461,604. HEADLIGHT MECHANISM. SAMUEL E. DOUGLASS, Raleigh, N. C. Filed Mar. 28, 1922. Serial No. 547,488. 2 Claims. (Cl. 240-62.)

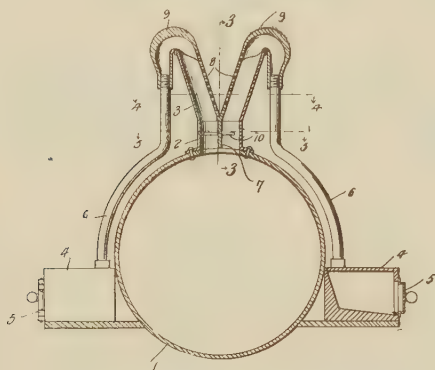


1. In a headlight mechanism, in combination with a vehicle steering rod; a lamp, a shaft to mount the lamp, means to mount the shaft, said shaft having lugs extending therefrom in opposite directions, said lugs being disaligned vertically, said steering rod having a connection extending upwardly therefrom and a connection depending therefrom, flexible elements in crossed relation and non-contiguous, said elements extending one from each lug and being secured one above and one below and respectively to said connections.

1,461,605. SPARK ARRESTER. SAMUEL E. DOUGLASS, Raleigh, N. C. Filed Apr. 10, 1922. Serial No. 551,096. 1 Claim. (Cl. 183-97.)

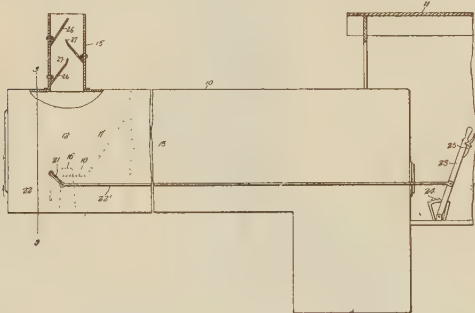
A spark arrester comprising, in combination with a smoke stack, a vertically disposed flat dividing plate arranged within and extending diametrically of the stack and having its side edges engaging the inner walls of the stack, a pair of flat deflecting plates extending upwardly in diverging relation from the upper edge of the dividing plate and having their side edges contacting with the inner surface of the stack, the deflecting plates being perforated and terminating at their upper ends in

return elbows which overlie and engage the upper edge of the stack and which are of a length equal to the width of the deflecting plates, the inner end of the return elbow having openings coextensive in length with the width of the deflecting plates and having their end walls curved to engage the inner surface of the stack



and the outer ends of the elbows terminating in reduced nipples, discharge pipe connected to said nipples, and means passing through the dividing plate and the smoke stack, said means in addition to the engagement of the deflecting plates and elbows with the stack preventing the spark arrester from having any movement with respect to the stack.

1,461,606. DRAFT-CONTROLLING DEVICE. JOHN ELICK, Centralia, Wash. Filed Sept. 21, 1921. Serial No. 502,208. 1 Claim. (Cl. 110—163.)

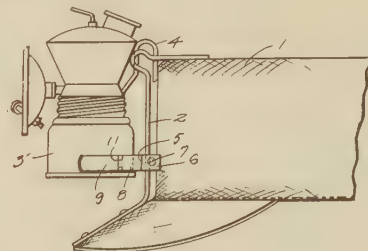


An attachment for steam generators including a smoke box, the forward flue sheet, the flues, and an exhaust pipe, comprising a diaphragm formed of upper and lower horizontal portions extending in parallel relations and a portion directed at an angle to the longitudinal planes of the horizontal portions, the upper horizontal portion adapted to engage the flue sheet above the flues and the lower horizontal portion apertured to receive the exhaust pipe, a supporting rod extending transversely of the smoke box and above the line of the lower horizontal portion of the diaphragm, and a controlling element rotative with the rod and bearing against the forward edge of the diaphragm when in lower position and limited in its movement in one direction thereby.

1,461,607. MINER'S LAMP CLIP AND STAY. NEWTON FARLEY, Lillybrook, W. Va. Filed Apr. 28, 1922. Serial No. 557,081. 3 Claims. (Cl. 240—60.)

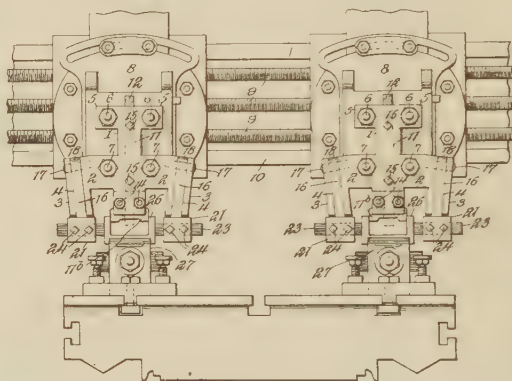
1. Attaching means for a miner's lamp comprising a clamp including a resilient bar having spaced arms projecting therefrom, and a holder comprising complementary members hingedly connected at one end and having

hinged connection intermediate their ends to the respective arms whereby the last mentioned hinge connection and resiliency of the bar enable the connected ends of



the holder members to move across a line passing through the point of connection of the holder members to the arms.

1,461,608. TOOL HOLDER. TIMOTHY C. FOLEY, Reno, Pa. Filed Apr. 18, 1922. Serial No. 554,676. 14 Claims. (Cl. 90—52.)



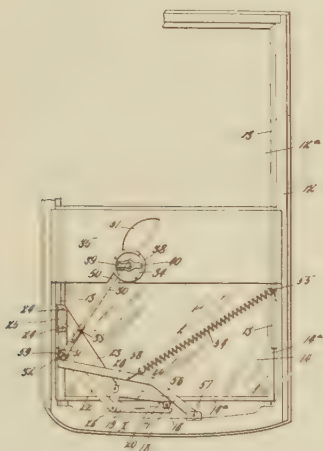
14. In a tool holder, the combination with a planer head, of a body portion carried thereby having means for holding a transversely disposed tool with a cutting edge at each end in a position at the bottom of the body portion, and other means located at each side of said tool and carrying tool holders at their lower ends with the two tools arranged in a substantially horizontal position, whereby the three tools are adapted to operate simultaneously on the inside and outside respectively of a shoe.

1,461,609. COLLAPSIBLE-TUBE CLOSURE. GERALD E. FORCE, New York, N. Y., assignor to Helmet Cap Company, New York, N. Y. Filed Apr. 11, 1921. Serial No. 460,194. 7 Claims. (Cl. 221—50.)



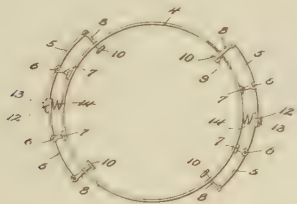
1. A collapsible tube or similar receptacle, having a discharge orifice surrounded by an externally threaded collar, a guide pivoted to and operable to positions overlying and lateral of the collar, said guide being threaded, its threads constituting a continuation of those on the collar, and a cap carried by the guide and adapted to be disposed by the collar in a position for engagement with the threads of the collar.

- 1,461,610. WINDOW-OPERATING MECHANISM. LAURENCE M. FOSS, Amesbury, Mass. Filed July 3, 1922. Serial No. 572,634. 9 Claims. (Cl. 268-4.)



1. Window-operating mechanism comprising, in combination, a frame; a window slidable in guides in the frame; a stud fixed to the window substantially equidistant from the guided edges thereof; a traveller having opposed parallel pushing edges contacting with said stud; and traveller-operating means movably connecting the traveller with the frame, maintaining said edges substantially at right angles with the path of movement of the window, and organized to cause a combined end-wise and edgewise movement of the traveller, and thereby slide the window in the frame, the said traveller edges being in sliding and pushing contact with the window stud.

- 1,461,611. GLOBE SUPPORT FOR ELECTRIC LIGHTS. JOHN W. FRENCH, New Rochelle, N. Y. Filed Mar. 12, 1921. Serial No. 451,706. 4 Claims. (Cl. 240-111.)

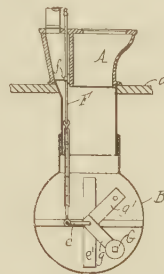


1. In combination, a globe and a light support, means for detachably securing the same together comprising opposed pairs of horizontally arranged levers encircling the globe and pivoted intermediate their ends to the light support, clamping members carried by the outer ends of the levers and detachably engaging the globe, means for simultaneously operating the levers of each pair to rotate them in opposite directions and to simultaneously disengage the clamping members.

- 1,461,612. TOILET. JOHN F. GEIBEL, Buffalo, N. Y., assignor to Kaustine Company, Inc., Buffalo, N. Y. Filed Apr. 26, 1920. Serial No. 376,506. 10 Claims. (Cl. 4-20.)

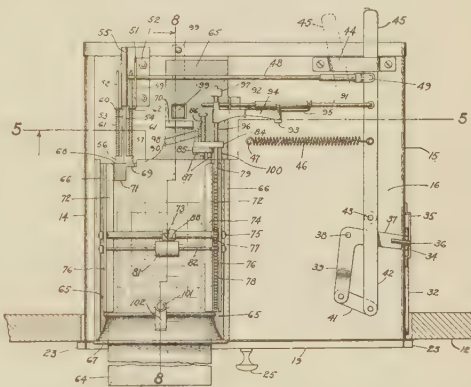
1. In a toilet, the combination of a tank, a toilet bowl arranged above said tank, a drop tube connecting said tank and said toilet bowl and comprising two sections which are arranged to permit said bowl to be turned to

different positions with respect to said tank, an agitator in said tank, an actuating rod connected to said agitator and having a portion arranged adjacent to said bowl,



and means on said agitator for normally holding said agitator in different positions, depending on the position of said bowl relatively to said tank.

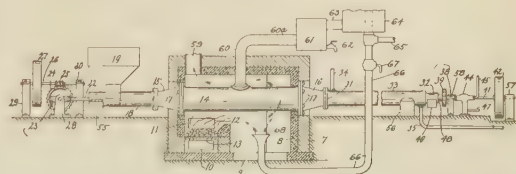
- 1,461,613. VENDING MACHINE. WOODLAND H. GILBERT, St. Paul, Minn. Filed Apr. 25, 1922. Serial No. 556,380. 25 Claims. (Cl. 234-1.)



3. A vending machine including a container for a commodity, a closure therefor, means to lock the closure in container-closing position and adapted to be unlocked by a key of sheet material to permit removal of the commodity, and means adapted upon unlocking of the closure to mark said key sheet with the charge for the removable commodity.

20. A vending machine including a container for a commodity, a closure therefor, means to lock the closure in container-closing position and adapted to be unlocked by a key-member to permit removal of the commodity, means adapted upon unlocking of the closure to mark the key member with the charge for the removable commodity, and means adjustably to mount the marking means whereby the position of the marked charges on the key member may be altered in a plurality of directions.

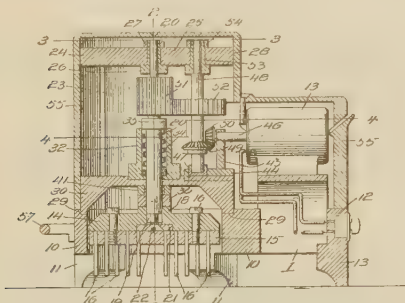
- 1,461,614. CONTINUOUS STRAW GAS RETORT. GEORGE H. HARRISON, St. Paul, Minn., assignor to Manufacturers Chemical Company, Newport, Minn., a Corporation. Filed Apr. 6, 1921. Serial No. 458,964. 5 Claims. (Cl. 48-111.)



1. In a straw gas apparatus, a furnace, one or more cylindrical gas retorts extending horizontally through

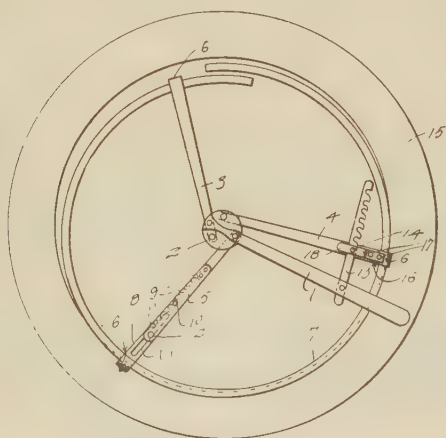
the furnace, a horizontal cylindrical feeding tube in central line with each one of the retorts and having a feed hopper opening into its upper side, a perforated piston in said feeding tube and means reciprocating the piston below the hopper; the discharge end of each retort having a comparatively long delivery tube extending axially from said end, a spiral conveyor in said delivery tube and means on the outer end of said conveyor for imparting rotation to it.

1,461,615. MEAT-BLOCK CLEANER. STEPHEN HERMANOWICH, Ellwood City, Pa. Filed May 15, 1922. Serial No. 561,005. 3 Claims. (Cl. 144-2.)



1. A meat block cleaner comprising a head member formed with a polygonal shaped opening and a recess communicating with the opening, a washer mounted in said recess, a driven shaft having a polygonal shaped lower end engaging in the polygonal shaped opening of the head member to provide for the bodily rotation of the latter, a securing element extending up through said washer and engaging in the polygonal shaped end of said shaft, and a disk secured to the lower face of said member and inclosing said washer.

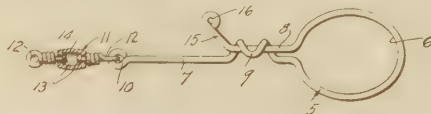
1,461,616. TIRE TOOL. WILLIS W. HILEMAN, Jonesboro, Ill., assignor of one-half to Charles H. Bruchhauser, Anna, Ill. Filed Feb. 20, 1922. Serial No. 537,900. 2 Claims. (Cl. 157-1.)



1. A tire tool of the character specified comprising an operating lever, arms pivoted at their inner ends to an end portion of the operating lever at different points and having rim engaging elements at their outer ends, one of said arms being of sectional formation, the outer section having a longitudinal slot and a plurality of teeth along an edge, a pin carried by the inner section and passing through said slot and pivoting the outer section to the inner section, a stop on the inner section to coact

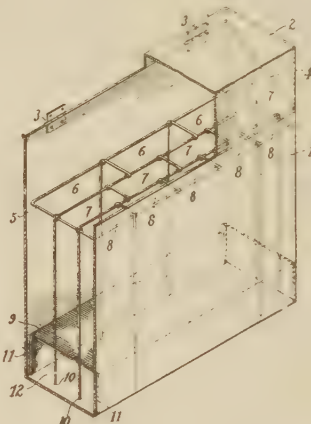
with the teeth of the outer section to hold the latter in the required adjusted position, and cooperating means between the operating lever and one of the arms to hold the parts in adjusted position when the tool is in active service.

1,461,617. DECOY ANCHOR. RICHARD M. HILL, Spring Valley, Ill. Filed June 28, 1922. Serial No. 571,400. 2 Claims. (Cl. 43-3.)



1. A device of the character described formed from a single length of resilient wire bent intermediate its ends to define a normally open loop, an elongated shank and a relatively short arm, the loop being designed for engagement about the neck of a decoy, said shank terminating in an attaching eye carrying a swivel, and having its intermediate portion bent to define a hook, said arm being engageable within the hook to close the loop in encircling engagement upon the neck of the decoy, the free end of the arm constituting a handle and being angularly offset.

1,461,618. RECEPTACLE FOR THE STORAGE AND PRESERVATION OF USED PAINT BRUSHES. JAMES E. HOPKINS, South Orange, N. J., assignor of one-half to Allyn L. Wright, New York, N. Y. Filed May 4, 1922. Serial No. 558,390. 3 Claims. (Cl. 206-16.)

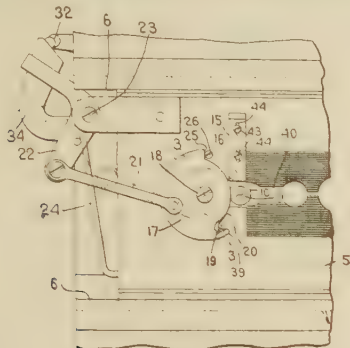


1. A liquid tight receptacle, a removable wire frame dividing the interior of the receptacle into compartments of differing size adapted to support the brushes vertically, said frame having a perforated bottom supported above the bottom of the receptacle.

1,461,619. SEWING MACHINE. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Sept. 18, 1919. Serial No. 324,288. 8 Claims. (Cl. 112-252.)

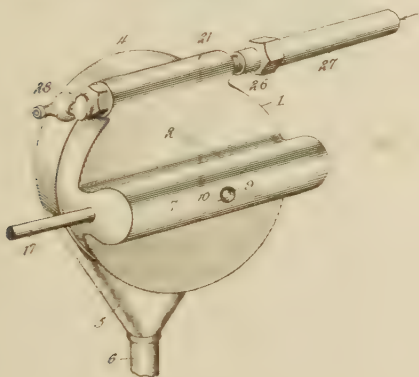
1. In a sewing machine adapted to sew a short seam and then come to rest, the combination with stitch-forming mechanism including a throat-plate, of a clamp plate on which the work is supported, means for moving the clamp plate and stitch forming mechanism relative to each other, said clamp plate having a shearing edge on its work-receiving face situated at one side of the throat-plate, a cutting member pivotally mounted on the clamp plate and having a cutting edge, turning move-

ment of the cutting member carrying said cutting edge across the throat-plate so that it engages the threads extending therefrom and pulls off a length of thread and



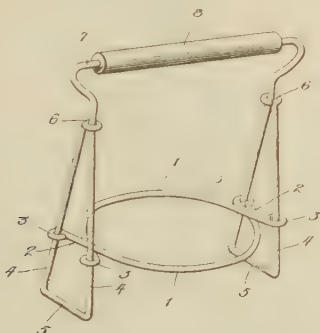
then across the shearing edge thereby to sever the thread, and means operative at the end of the stitching operation to actuate said cutting means.

1,461,620. FLUID MOTOR. WILLIS KNAPP, Salt Lake City, Utah. Filed Mar. 31, 1921. Serial No. 457,286. 8 Claims. (Cl. 253-136.)



1. In a rotary tool structure, a casing having an outlet, a fluid driven motor in the casing, an inlet for fluid under pressure entering the casing, and a plate or guard in overlying relation to the rotor and covering a portion of the same adjacent the inlet.

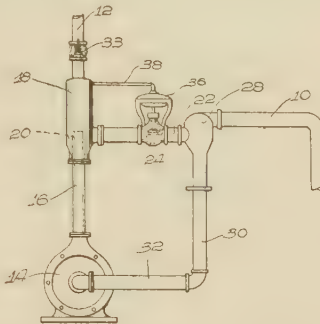
1,461,621. MILK-BOTTLE HANDLE. LEOPOLD KRANZL, Seattle, Wash. Filed July 21, 1922. Serial No. 576,489. 12 Claims. (Cl. 215-100.)



1. In a carrier, article gripping elements, and diverging guides slidably receiving similar ends of said elements, said guides serving to relatively increase and decrease the spacing of the elements as the latter are moved longitudinally of the guides.

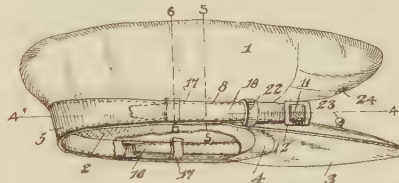
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1,461,622. PUMPING SYSTEM. HARRY E. LA BOUR, Chicago, Ill. Filed May 2, 1921. Serial No. 466,195. 6 Claims. (Cl. 103-113.)



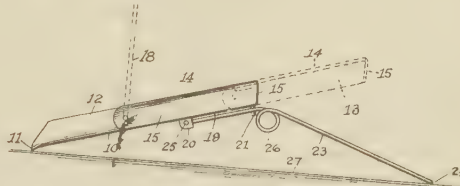
1. In a self-priming pumping system, connections providing a complete circuit, means for circulating a medium through said circuit, mixing means and separating means located at spaced points in said circuit, a supply pipe associated with said mixing means and a discharge pipe associated with said separating means, and control means capable of varying the flow capacity of the portion of the circuit leading from the separating to the mixing means but incapable of completely interrupting the flow.

1,461,623. ADJUSTABLE CAP. MAURICE LEBOW, Baltimore, Md., assignor to Dorf & Company, Baltimore, Md. Filed Feb. 1, 1922. Serial No. 533,178. 2 Claims. (Cl. 2-106.)



1. A cap comprising a body having a contracted lower portion, a split band encircling and depending from said lower portion and secured intermediate its ends to the outer face of the back and to each of the sides of said lower portion thereby providing oppositely extending free end terminal portions positioned at the front of said lower portion, a strip depending from and arranged against the outer face of the front and a part of each side of said lower portion, said strip secured intermediate its ends for a portion of its length to the outer face of the front of said lower portion thereby providing said strip with rearwardly directed free end terminal portions, the free end terminal portions of said strip sliding directly against the inner face of the connected portion of said split band, the termini of the connected part of said strip being spaced from the termini of the connected part of said band, and means for adjustably connecting the free end terminal portions of the band together for varying the size of the cap and for inclosing the connected portion of said strip.

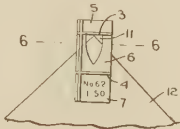
1,461,624. DUSTPAN. GEORGE W. LEWIS, Chicago, Ill. Filed June 17, 1922. Serial No. 569,096. 1 Claim. (Cl. 65-63.)



A device of the class described comprising a member adapted to be attached to the body of a dust pan and

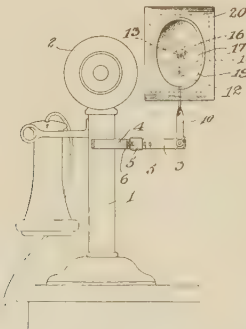
outturned at one end with laterally opening seats in the outturned portion, perforated ears directed from the plate at the other end and in spaced relation, a combined support and handle bent from a section of resilient material to form spaced side portions and each side portion turned into a coil intermediate the ends to increase the resiliency and form stops to limit the downward movement of the pan, the free ends of the side portions being formed with oppositely directed portions to enter the apertures of the ears and the sides of the resilient member to enter said seats and retained in place therein by the resiliency of the handle member.

- 1,461,625. MARKING TICKET. ALONZO KIMBALL MARSH, New York, N. Y., assignor to A. Kimball Company, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1922. Serial No. 593,037. 5 Claims. (Cl. 40—23.)



1. A marking ticket comprising a card divided by two transverse scores into three sections, means on the central section for engaging the material to be marked, and a soft wire stiffener extending longitudinally of the card across the scores whereby the ticket may be secured to the material to be marked by engaging the material with the central section, bending an adjoining section on the intermediate score back against the central section, and then bending these two sections and the engaged material on the other score back against the third section.

- 1,461,626. MIRROR SUPPORT. FRED H. MASON, Chinchilla, Pa. Filed May 25, 1921. Serial No. 472,491. 1 Claim. (Cl. 45—97.)

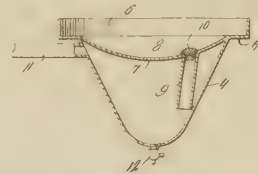


A support of the class described comprising an integral resilient clamping member having substantially parallel sides adapted to engage a post or support and provided with a plurality of spaced aligned notches, a nut having inwardly directed lugs slidable on said member, said lugs being adapted to positively engage and lock in said notches to hold said member in adjusted position, and means at the inner end of said member to further lock the support.

- 1,461,627. OIL FILTER. RICHARD S. MOORE and LEON B. JONES, Rockdale, Tex. Filed July 14, 1920. Serial No. 396,077. 2 Claims. (Cl. 210—48.)

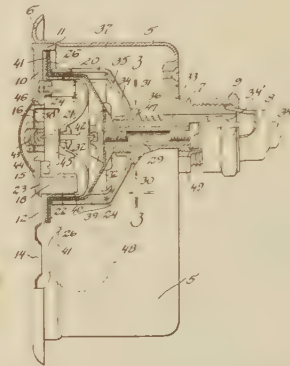
1. An oil filter for stoves including a tapering receptacle the upper marginal edge of which is bent outwardly at right angles to provide a supporting ledge for supporting an oil can, a partition formed in said receptacle having its periphery integral with the upper end of the receptacle and being dished downwardly into the body of the

latter to provide a basin for primarily receiving oil dispensed from the oil can, a filter carrying support depending from said partition and discharging against the taper-



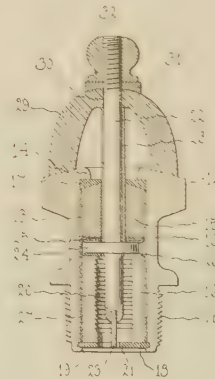
ing wall of said receptacle, and a feed pipe leading from said receptacle directly beneath said partition to carry off the oil from said receptacle.

- 1,461,628. MAGNETIC SPEEDOMETER. JOSHUA PATRICK, Detroit, Mich. Filed Dec. 1, 1921. Serial No. 519,211. 9 Claims. (Cl. 264—13.)



1. In a speedometer of the class described, a suitable hollow casing having an opening at its front side or end; a supporting plate secured to said casing and acting to close said opening; speed indicating mechanism located within said casing and supported solely and entirely by said supporting plate; and a driving shaft supported by said casing and operatively connected with an element of said speed indicating mechanism to drive the same.

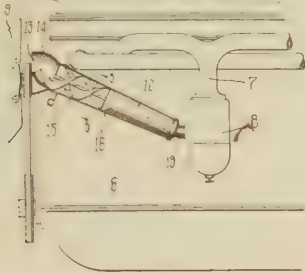
- 1,461,629. SPARK PLUG. ALBERT SCHMIDT, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Sept. 25, 1918. Serial No. 255,578. 15 Claims. (Cl. 123—169.)



1. A spark plug comprising an external shell or casing, tubular insulators located within said shell and permanently secured in place therein, a central electrode supported between the inner adjacent ends of said tubular insulators and extending above the upper end of said shell, an insulator surrounding the upper end of said

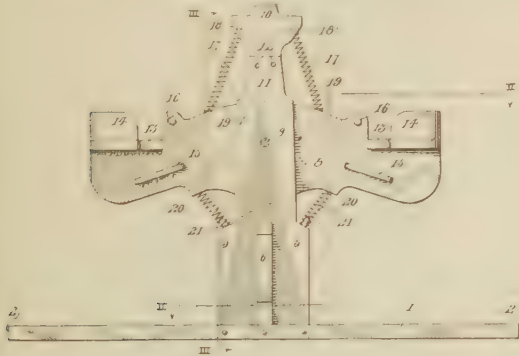
electrode, a dome surrounding the upper end of said electrode and said last mentioned insulator and the lower end of which abuts against the upper end of said shell or casing, and which dome is provided with a central hole through which said electrode extends, and a nut in engagement with the upper end of said electrode and which nut acts to hold said dome in place.

1,461,630. AIR-CLEANING DEVICE. CHARLES R. SHORT and ARTHUR L. CASH, Detroit, Mich. Filed Nov. 17, 1919. Serial No. 338,723. 9 Claims. (Cl. 183—36.)



1. In a centrifugal air cleaner, an elongated casing approximately circular in cross-section and having an air inlet opening at one end and an air outlet opening of less cross-sectional area than said casing at the other end thereof, and which casing is provided with a slot extending longitudinally and throughout the entire length thereof; and a spirally arranged member located within said casing and extending throughout a part only of the length thereof, and which member is adapted to impart rotary motion to air flowing through said casing; said spirally arranged member being located adjacent the inlet end of said casing whereby an internal chamber is provided adjacent the outlet end of said casing.

1,461,631. TEETER BOARD. MIKE SMERECHANSKI, Berwick, Pa. Filed Aug. 1, 1922. Serial No. 578,931. 1 Claim. (Cl. 46—22.)

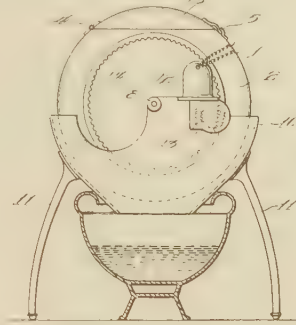


In a teeter board of the type described, a base frame, a perpendicular standard mounted thereon, said standard being bifurcated to provide spaced side arms, a teeter board pivotally supported between said arms, a head block secured in the upper ends of said arms, and cushion springs mounted between the upper edge of the teeter board, and the head block and the lower edge of the standard teeter board and being anchored at their ends to the teeter board, standard and head block.

1,461,632. WASHING MACHINE. HOWARD F. SNYDER, Newton, Iowa, assignor to Maytag Company, Newton, Iowa, a Corporation of Iowa. Original application filed July 24, 1920, Serial No. 398,678. Divided and this application filed Sept. 2, 1921. Serial No. 498,113. 3 Claims. (Cl. 254—50.)

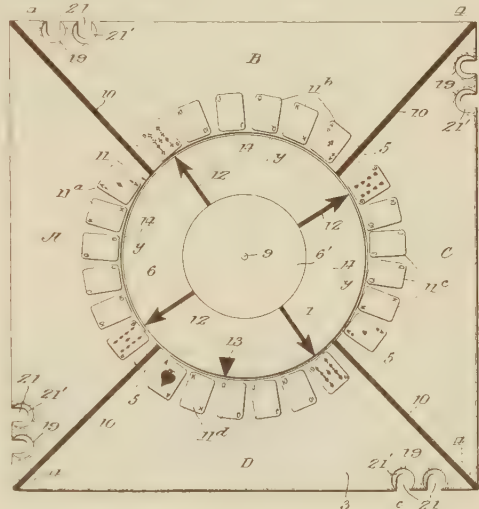
1. In a machine of the character described, a supporting casing having legs and a permanently open

bottom, operating means mounted upon the casing, a washing cylinder having trunnions extending from oppo-



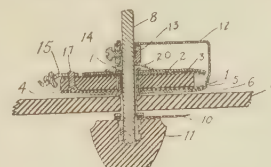
site faces thereof mounted within the casing and pivoted thereon, and connections between the operating means and the cylinder for turning the cylinder on its pivots.

1,461,633. CARD GAME BOARD. JOHN H. STANSBURY, Norfolk, Va. Filed June 5, 1922. Serial No. 565,849. 10 Claims. (Cl. 46—56.)



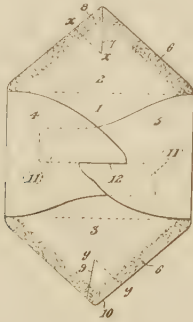
1. The combination with a circular disc, and means for centrally supporting the same, of an annular series of radially disposed permanent magnets mounted on said disc, said magnets being arranged with similar poles directed alternately outwardly and inwardly, around the series, and an independent, freely movable body with duplicate indistinguishable ends, having a permanent magnet concealed therein, whereby, when said body is placed near said disc, the latter will be angularly displaced to an extent determined by the relative polarity of said body and adjacent disc carried magnetic.

1,461,634. RHEOSTAT AND THE LIKE. ERWIN R. STOECKLE, Milwaukee, Wis. Filed July 31, 1922. Serial No. 578,823. 10 Claims. (Cl. 219—48.)



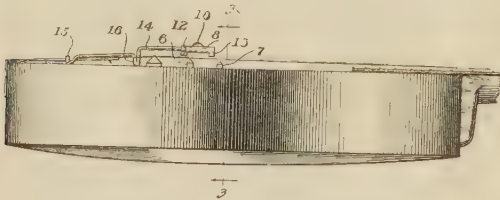
1. A rheostat comprising a helically wound resistor whose axis lies in a circumferential groove formed by the co-axial superposition of a plurality of circular disks.

- 1,461,635. ENVELOPE. WALTER SZCZERBA, Newark, N. J. Filed May 20, 1922. Serial No. 562,476. 2 Claims. (Cl. 229—80.)



1. In an envelope of the type described, a central rectangular strip defining the front face thereof, foldable side flaps integrally joined to the central rectangular strip, a tongue projecting outwardly from each side flap and said flaps being longitudinally slitted at one side of the tongue adapted for interlocking engagement with each other, other integral flaps carried by the upper and lower ends of the said central strip and adapted to be folded backwardly upon the beforementioned side flaps and locking tongues carried by said flaps for securely retaining the flaps in interlocked engagement.

- 1,461,636. ATTACHMENT FOR STRINGED INSTRUMENTS. ELMER S. TANQUARY, Lawrenceville, Ill. Filed Apr. 14, 1922. Serial No. 552,486. 6 Claims. (Cl. 84—187.)

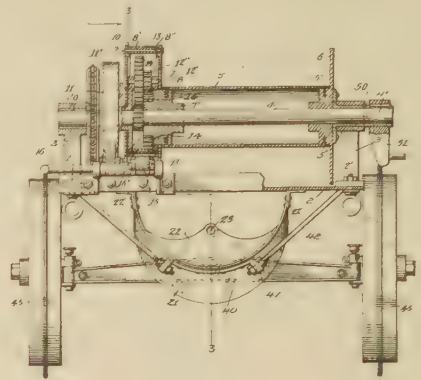


1. In a stringed instrument of the type in which the strings are adapted to be vibrated by the fingers of the performer, fretting means on the instrument, a stop device, a support attached to the instrument for holding said stop device normally out of contact with the strings but so mounted as to be bodily depressed and also rocked, to cause selected strings to engage the frets, by the arm or wrist of the performer without interfering with the freedom of movement of the fingers in playing the instrument.

- 1,461,637. COMBINED WINCH AND SUPPORT THEREFOR. ANDREW J. KARL, Sistersville, and BENJAMIN F. WEBB, Bens Run, W. Va., assignors to Webb Multispeed Winch Manufacturing Company, Sistersville, W. Va., a Corporation of West Virginia. Filed July 5, 1922. Serial No. 572,810. 7 Claims. (Cl. 254—186.)

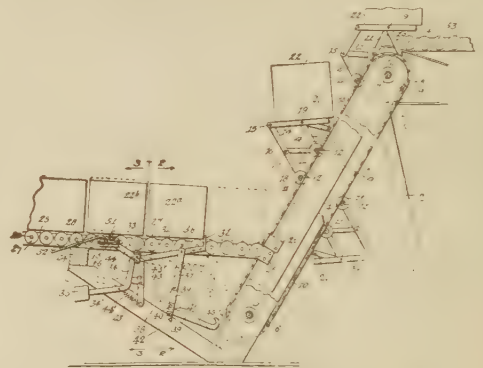
1. In combination a support, a pair of standards carried thereby, a driven shaft mounted on the standards and extending outwardly from one of them, a driving element for said shaft positioned thereon near the other end thereof, a pinion fixed to the shaft, a revolvable drum including a pair of hubs loosely mounted on the shaft and further including a gear formed on one of the hubs and an inclosing means for the gear, one of said hubs extending on the extended end of said shaft, means connected with said extended hub for

manually operating the drum, drum actuating elements driven from said pinion and meshing with said gear and arranged in said inclosing means, and revolvable



supports for said elements, said supports connected together and loosely mounted on one of said hubs and said shaft.

- 1,461,638. FRUIT ELEVATOR. ALFRED Z. WELLS and JAMES M. WADE, Wenatchee, Wash. Filed Aug. 8, 1922. Serial No. 580,482. 15 Claims. (Cl. 198—26.)



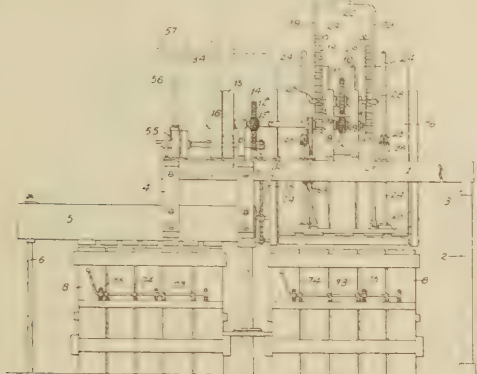
1. In an apparatus for the purpose set forth, an elevating and lowering mechanism including a traveling carrier, and a delivery mechanism having as a part thereof a counterbalanced stop element and a spring controlled arresting element connected with each other and actuated from said carrier during the travel thereof.

15. In an apparatus for the purpose set forth, a delivery mechanism provided with stop and arresting elements, and means for pivotally supporting said elements, said stop element projecting rearwardly with respect to said arresting element and said arresting element provided with a pronged arresting member and an upwardly inclined arresting member, said elements resiliently connected together and said stop element provided with a counter-weight, and an actuating means for said elements depending from said stop element.

- 1,461,639. COTTON TRAMPER. WILLIAM D. WILSON and ADOLPH CULLANDER, Belzoni, Miss., assignors of one-third to Enoch Haga, Belzoni, Miss. Continuation of application Serial No. 318,020, filed Aug. 16, 1919. This application filed Jan. 13, 1921. Serial No. 436,997. 3 Claims. (Cl. 100—25.)

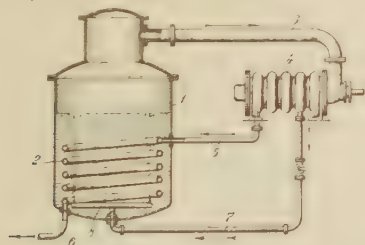
1. In a cotton tramper, a tramper block, a press box, a conveyor feed to said press box, means for reciprocating said block, means for operating said conveyor, said conveyor operating means being automatically operated by the tramper block, said automatic means including a reciprocating bar disposed above the press box, a roller

member upon one end of the bar, a channel iron on the tramper block and engaging said roller, said channel iron having its upper end curved whereby the upward movement of the tramper block will reciprocate the bar and operate a belt shifter, said belt shifter operable in relation to fast and loose pulleys on a drive shaft for said conveyor.



2. In a cotton tramper, a tramper block, a press box, a conveyor feed to said box, means for reciprocating said block, means for operating said conveyor, a reciprocating bar above the press box, a roller at one end of said bar, a channel member carried by the tramper block, said channel member having a curved upper end whereby to engage the roller upon the upward stroke of the tramper block to reciprocate the bar in one direction and reciprocate the bar in the opposite direction upon the downward stroke of the tramper block whereby to positively operate a belt shifter connected with the opposite end of the bar, said belt shifter operable in relation to fast and loose pulleys on a drive shaft for said conveyor.

1,461,640. PROCESS AND APPARATUS FOR EVAPORATING LIQUIDS. ELIAS WIRTH-FREY, Aarau, Switzerland, assignor to the Firm Aktiengesellschaft Kummer & Matter, Aarau, Switzerland. Filed Aug. 15, 1921. Serial No. 492,456. 4 Claims. (Cl. 159—16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

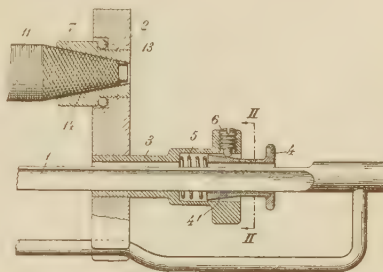


4. Apparatus for evaporating liquids, comprising a vessel adapted to contain the liquid to be evaporated, heating means therefor, means for withdrawing and for compressing the vapors from said vessel and for supplying the greater part of the compressed vapors to said heating means, means for compressing a second portion of said first mentioned vapors to a pressure sufficient to overcome the hydrostatic head in said vessel, and means for liberating such second portion within the lower part of said vessel.

1,461,641. WINDING MACHINE. ERNST ZINDEL, Erlenbach, Switzerland, assignor to the Firm Scherer-Nussbaumer & Co., Erlenbach, Switzerland. Filed Aug. 25, 1921. Serial No. 495,211. 4 Claims. (Cl. 242—34.)

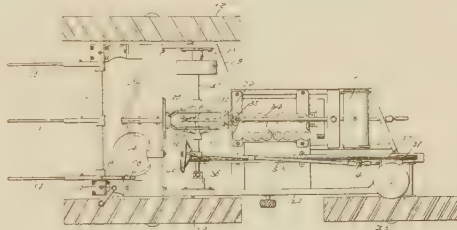
1. In a locking device for cop winders, a carrier, a sleeve member thereon, a guide rod loosely passing

through said member, a second member loose on said rod, one of said members having a conical surface, an element on the other member cooperating with said conical surface, and a spring between the two members, whereby



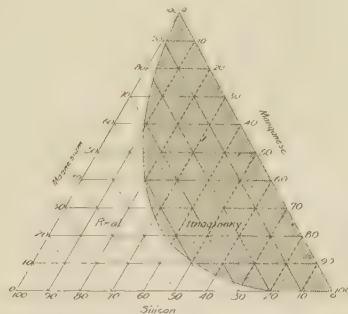
upon movement of the carrier and sleeve member the spring will be compressed to release said second member from its one-sided clamping engagement with said rod to permit said carrier to progress along said rod.

1,461,642. TRACTOR. CHARLES SIDNEY ALLEN, Dawson, Ga. Filed Aug. 26, 1921. Serial No. 495,667. 6 Claims. (Cl. 180—25.)



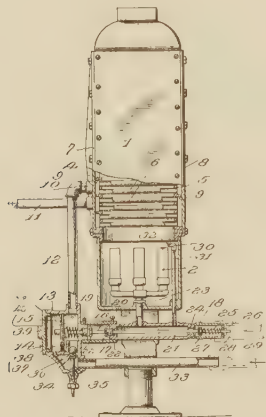
1. A tractor having power actuatable driving and steering wheels, an elevated frame provided with depending side housings in which the spindles of the driving wheels are journaled to adapt the machine to operate in straddling relation with a row of plants, a motor carried by the frame, a differential axle carried by the frame and having operative connections with the driving wheels consisting of chains and sprockets housed in said depending side housings, a transmission mechanism interposed between the motor and the differential axle, and operative connections between the transmission mechanism and the steering wheel.

1,461,643. ALLOY. FREDERICK M. BECKETT, Niagara Falls, N. Y., assignor to Electrometallurgical Company, Niagara Falls, N. Y., a Corporation of West Virginia. Filed Nov. 22, 1920. Serial No. 425,784. 4 Claims. (Cl. 75—1.)



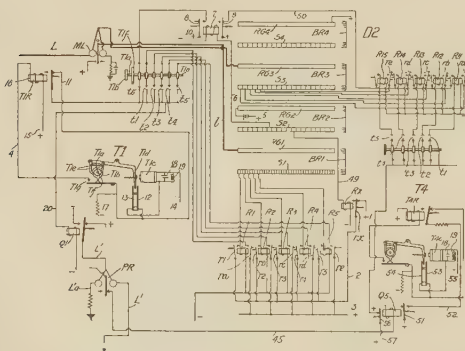
1. An alloy containing as essential components magnesium, silicon and manganese, the silicon in excess of the equimolecular proportion to the magnesium, and the manganese in lesser molecular proportion than the silicon

1,461,644. VALVE FOR AUTOMATIC WATER HEATERS. CLARK D. BEDWIN, Long Beach, Calif. Filed Feb. 1, 1922. Serial No. 533,371. 6 Claims. (Cl. 236—25.)



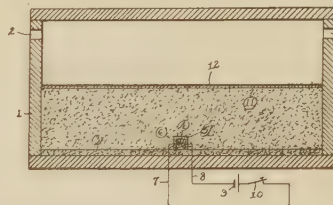
1. In an automatic water heater the combination with a burner of a fuel supply valve, an automatic controlling means for said valve, said means including a pressure cylinder and piston movable therein, a valve controlled water inlet for said cylinder and a check valve in said water inlet for arresting the backward flow of the water and permitting the formation of excessive back pressure for operating the aforesaid piston to close the fuel valve.

1,461,645. AUTOMATIC TELEGRAPH SYSTEM. GEORGE R. BENJAMIN, Jersey City, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Nov. 4, 1916. Serial No. 129,421. 3 Claims. (Cl. 178—71.)



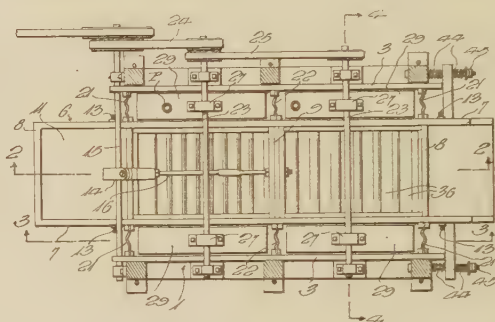
3. In an automatic telegraph system, the combination with a continuously operating, synchronous main line distributor, of extension circuit means extending to a distant point, means operated by such distributor for repeating into such extension circuit means, receiving means at the distant point arranged to receive signals so repeated, transmitting means at the distant point comprising a restarting translator, such transmitting means and translator arranged to transmit through such extension circuit means, and repeating means arranged to receive signals so transmitted from the distant point and to repeat them into said main line distributor, and comprising a receiving translator and actuating means therefor controlled by said distributor for a start impulse and thereafter free from all control of said distributor-operating means, and means controlled by said receiving translator for setting up contact combinations corresponding to the signals received, said distributor comprising means controlling the time of transmission into it from the contact combinations so set up.

1,461,646. MATERIAL FOR PRODUCING SMOKE SCREENS. HARRY F. FRENCH and RAYMOND C. BENNER, Fremont, Ohio, assignors to National Carbon Company, Inc., a Corporation of New York. Filed Jan. 14, 1919. Serial No. 271,126. 15 Claims. (Cl. 52—23.)



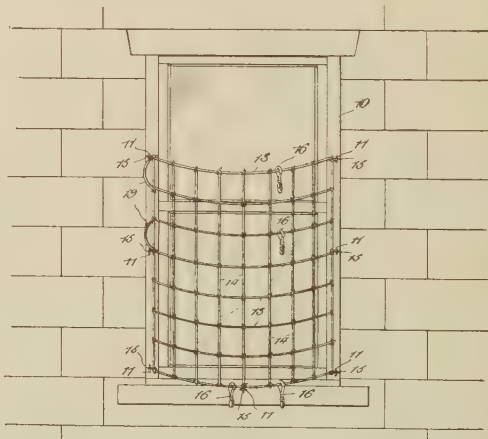
1. A non-explosive smoke producing mixture containing a carbonaceous material, an oxidizing agent, and a smoke forming substance vaporizable at a low temperature.

1,461,647. ORE SEPARATOR. ALBERT E. BOOKWALTER, Coeur d'Alene, Idaho. Filed Sept. 7, 1922. Serial No. 586,699. 4 Claims. (Cl. 83—76.)



1. An ore separator comprising a water box, a separating frame mounted for horizontal movement in said box with its lower side below the water level, the sides of said frame being spaced from the sides of the tank, vertically movable plungers between said tank and frame sides, and means for simultaneously shaking said frame horizontally and pulsating said plungers vertically.

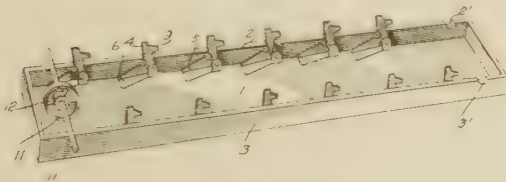
1,461,648. WINDOW-CLEANER'S LIFE NET. GEORGE W. BRYANT, New York, N. Y. Filed July 2, 1921. Serial No. 482,211. 1 Claim. (Cl. 20—71.)



A window cleaner's life net comprising a flexible structure having vertical and horizontal strands of rope knotted at their intersections, a plurality of permanently attached securing devices carried by the vertical mar-

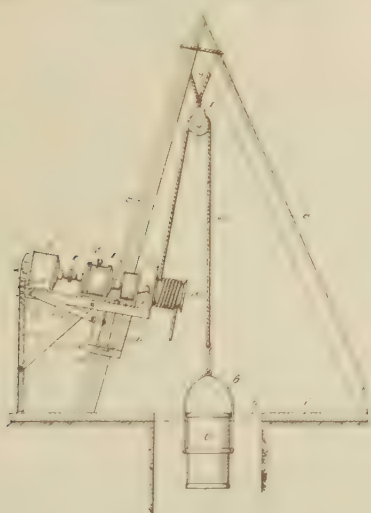
gins of said structure, a plurality of adjustable and detachable securing elements secured to said structure between said margins, all of said securing devices being capable of co-acting with hooks adapted to be secured to a window sill, and handles secured to one of the marginal edges for permitting the structure to be carried when the same is in a folded condition.

1,461,649. GAME APPARATUS. JOHN A. ERNST, JR., Ridgefield Park, N. J. Filed Sept. 27, 1921. Serial No. 503,529. 6 Claims. (Cl. 46-61.)



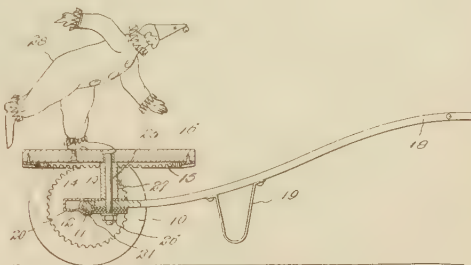
1. A game apparatus which comprises a support, a pivoted semaphore member connected to said support, one arm of said semaphore normally projecting above the edge of the support, means moving upon the edge of said support to contact with the projecting arm and depress the same, and a second arm on said semaphore normally disposed below the edge of the support and adapted to be elevated when the projecting arm is depressed by said means, the mass distribution of said semaphore being so disposed as to cause the return of the semaphore to normal position as soon as the projecting portion is released by said means.

1,461,650. HOISTING MACHINE. LOUIS FALZER and EDWIN M. WEBBER, Chicago, Ill.; said Webber assignor to said Falzer. Filed Aug. 18, 1922. Serial No. 582,607. 3 Claims. (Cl. 254-145.)



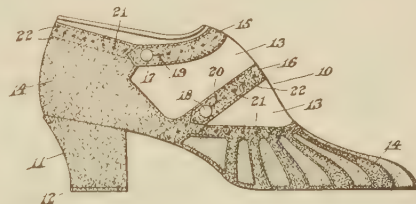
1. In a portable hoisting apparatus of the character described, the combination of a pulley-supporting frame, a pulley suspended from and within the upper portion of said frame, a hoisting cable passed over said pulley, a bucket hung from one depending limb of said cable, a platform mounted on the lower portion of said frame, an electric motor, speed reducer, safety device and winch-head mounted in coaxial alignment on said platform with said winch-head disposed at one side of the vertical path of said bucket and having the other depending limb of said cable coiled thereon, and the axis of rotation of said winch-head being disposed substantially at right angles to the depending limb of the cable wound thereon.

1,461,651. WHEELED TOY. RALPH P. FOX, Harrisburg, Pa. Filed Mar. 13, 1922. Serial No. 543,250. 2 Claims. (Cl. 46-45.)



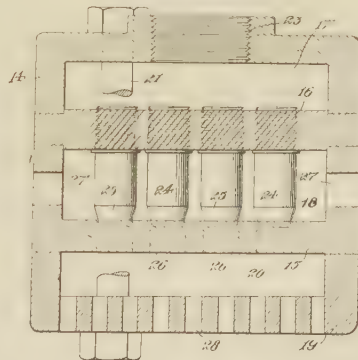
1. A toy of the character described comprising spaced wheels, an axle connecting said wheels, a stationary sleeve surrounding said axle, a handle, a handle support comprising a substantially U-shaped member straddling said sleeve and secured thereto, said handle being received by said support, a platform, a pivot for said platform, said pivot being passed through the handle and said support therefor and associated therewith, a bushing surrounding the pivot and interposed between the platform and said handle, means for rotating the platform incident to the rotation of said wheels, and a toy figure carried by the platform.

1,461,652. DISPLAY LAST. ABRAHAM E. GOODWIN, Newburyport, Mass., assignor to Lynn Last Company, Lynn, Mass., a Corporation of Massachusetts. Filed June 8, 1922. Serial No. 566,754. 10 Claims. (Cl. 35-17.)



✓ A last having a representation of a shoe formed on the surface thereof.

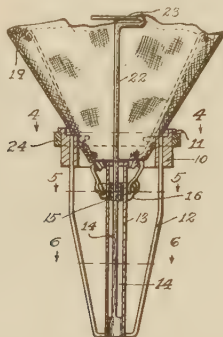
1,461,653. EMULSIFYING APPARATUS. GEORGE GRINDROD, Oconomowoc, Wis., assignor to Carnation Milk Products Company, Oconomowoc, Wis., a Corporation of Delaware. Original application filed Aug. 12, 1919, Serial No. 316,966. Divided and this application filed Oct. 15, 1921. Serial No. 508,014. 5 Claims. (Cl. 99-2.)



2. In an emulsifier, a steam pressure receiving chamber having a plurality of jet orifices communicating

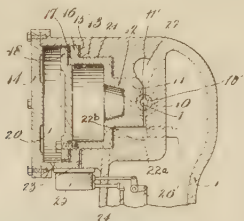
therewith and through which the steam is adapted to impinge upon a liquid and break up the liquid into minute globules, expansion chambers to receive the individual jets, and an ejector chamber into which the jets and liquid globules are directed through the expansion chambers, said ejector chamber having outlet orifices through which the liquid globules are distributed under steam pressure into a surrounding body of emulsifying liquid.

1,461,654. COLLAPSIBLE FUNNEL. WILLIAM J. HAESSLER, Philadelphia, Pa. Filed July 17, 1922. Serial No. 575,719. 4 Claims. (Cl. 225—38.)



1. In combination, an annulus, a frame-like member supported thereby, a slide operating within the annulus, means for guiding the slide in its movements, a funnel constructed of flexible water proof material, rib elements connecting the funnel with said slide, slotted lugs projecting inwardly from the annulus and constituting guides for said rib elements, and means for operating said slide, whereby the funnel is extended for use when the slide is elevated, and collapsed within the frame-like member when the slide is lowered.

1,461,655. FORGING MACHINE. FRANK A. HALLECK, Oak Park, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 2, 1919. Serial No. 294,270. 12 Claims. (Cl. 76—5.)

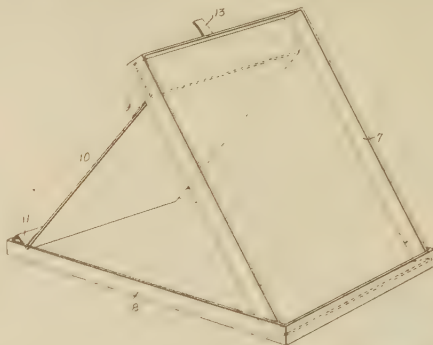


1. In a forging machine, a pair of relatively movable die members, a relatively reciprocable cylinder and piston, relative reciprocation of said cylinder and piston causing relative movement of said die members, and self-contained means for causing a flow of air across the faces of said die members including relatively movable pressure variation producing members actuated on relative movement of said cylinder and piston.

1,461,656. DISPLAY BOX. ADA K. HARNED, New York, N. Y. Filed Mar. 25, 1921. Serial No. 455,666. 1 Claim. (Cl. 206—44.)

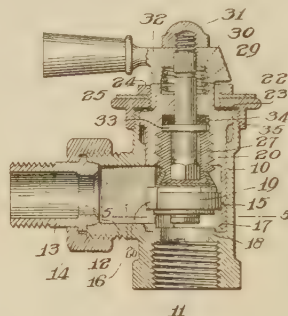
A display device comprising a box consisting of a cover and body, a leg member hinged to the back of the box body and to the top of the box cover by a flexible hinge embracing a flange of the box cover, said flexible

hinge adapted to allow certain play to the said leg member to permit the same to be braced against the inside



of the flange of the box cover when the device is in operative position, thereby removing the strain from the flexible hinge.

1,461,657. RADIATOR VALVE. CHARLES V. HAYNES, Philadelphia, Pa., assignor to Hoffman Specialty Company, New York, N. Y., a Corporation of Illinois. Filed Feb. 10, 1919. Serial No. 276,156. 2 Claims. (Cl. 251—156.)



1. In a radiator valve, a body having an inlet at the bottom, a valve seat coaxial with the inlet and an outlet of rectangular section at the side, an adjustably held sleeve fitting in the body and having an opening corresponding in shape with the outlet section, a cap and connections retaining the sleeve in position and holding the end of the sleeve against the body about the valve seat, packing sealing the cap against the body and sleeve and the joint between them, a valve carried by the sleeve and adapted to engage the valve seat and rotary axially-fixed means for rotating the valve.

1,461,658. TORCH. IRVING M. HAYWARD, Brooklyn, N. Y. Filed Dec. 6, 1921. Serial No. 520,309. 5 Claims. (Cl. 158—27.)

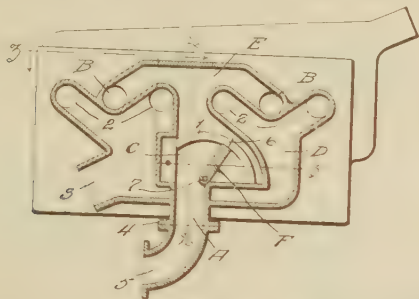


1. A self heating tool comprising a combined fuel reservoir and vaporizing chamber, and a container coacting with the walls of said reservoir to retain a quantity of preheating fuel.

1,461,659. FUEL-ECONOMIZING DEVICE FOR INTERNAL-COMBUSTION ENGINES. JAMES C. HENRY, East St. Louis, Ill. Filed Apr. 19, 1920. Serial No. 375,030. 10 Claims. (Cl. 123—122.)

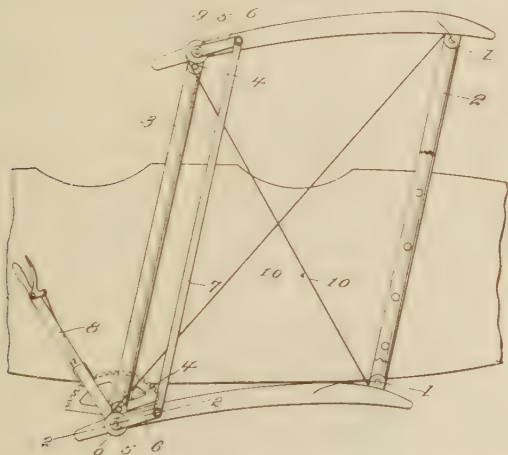
1. An attachment for internal combustion engines, consisting of a device provided with a narrow elongated slot through which the mixture supplied by the car-

buretor passes before entering the cylinders of the engine, means for heating the mixture passing through said device, and means for enabling the effective length of



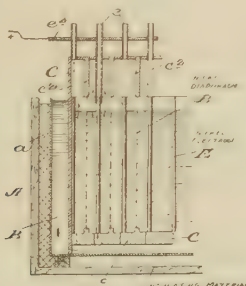
said slot to be varied when the engine is in operation so as to increase or diminish the supply of combustible mixture to the engine.

1,461,660. LANDING DEVICE. HENRY C. F. HOLZ, Salt Lake City, Utah. Filed Dec. 9, 1922. Serial No. 605,861. 1 Claim. (Cl. 244—29.)



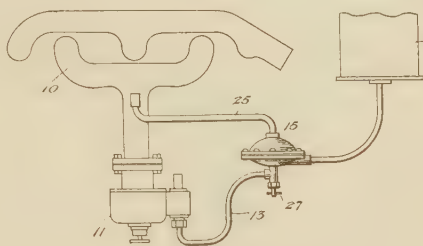
An airship having its wings pivoted to their supports at the front ends, movable means for connecting the rear ends of the wings together, and means for adjusting the movable means vertically to change the inclination of the wings, such means consisting of drums mounted on the rear portion of the wings, cables connected with the drums and with the diagonally opposite front portions of the wings and manually operated means for actuating the drums.

1,461,661. ELECTROLYZING APPARATUS FOR THE MANUFACTURE OF OXYGEN AND HYDROGEN. GEORGE FRANÇOIS JAUBERT, Paris, France. Filed Apr. 4, 1922. Serial No. 549,602. 2 Claims. (Cl. 204—5.)



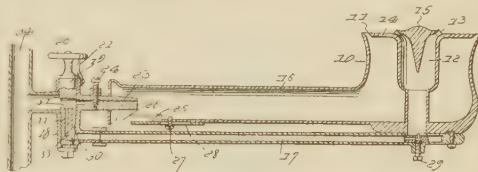
1. An apparatus for manufacturing oxygen and hydrogen by electrolysis, having nickel electrodes, and nicke diaphragms perforated to form a fine mesh and separating the electrodes.

1,461,662. INTERNAL-COMBUSTION ENGINE. FRED N. KAWAMURA, Denver, Colo. Filed Jan. 5, 1920. Serial No. 349,422. 1 Claim. (Cl. 123—198.)



The combination with an internal combustion engine having a carburetor, of a fuel supply tank, a conduit for establishing communication between the carburetor and said tank, a valve casing disposed in said conduit and having an inwardly extending tubular projection, a diaphragm secured within the casing in spaced relation with respect to said tubular projection, a valve carried by said diaphragm and normally disposed in closed position to prevent the passage of fuel from the tank to the carburetor, spring means surrounding said tubular projection and co-acting with the valve casing of a diaphragm for positively holding said valve in closed position, and a pipe connected with the intake manifold of the engine and the tubular projection for establishing communication between the interior of the engine and the interior of the valve casing to open said valve while the engine is in operation.

1,461,663. GAS BURNER. JEAN KEMMER, Ilion, N. Y. Filed Oct. 27, 1921. Serial No. 510,696. 1 Claim. (Cl. 158—105.)

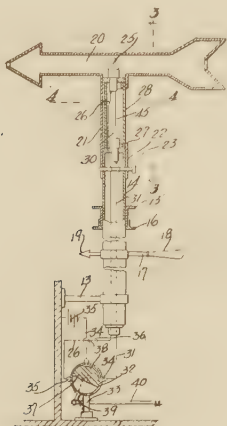


A device for the purpose indicated comprising concentric main and auxiliary burners of which each is provided with a chamber and suitable spreaders at the top thereof, a pair of fuel conductors arranged in superimposed relation of which the upper is in communication with the main burner chamber and the lower in communication with the auxiliary burner chamber, a valve casing having means for connection to a source of fuel supply and in operative connection with both of said fuel conductors, a valve mounted in said casing and ported to admit fuel into both conductors simultaneously or into the conductor in communication with the auxiliary burner chamber, depending on the position of the valve, and an air control means mounted on the fuel conductor in communication with the main burner chamber and consisting of a gate for sliding movement longitudinally of said conductor to more or less open an air inlet in the bottom of said conductor adjacent its point of communication with the valve casing, said gate being slotted longitudinally, and a screw threaded into said conductor and passing through said slot, the head of the screw bearing on the gate for the purpose specified.

1,461,664. DIRECTION INDICATOR. OTTO CHARLES KNIGGE, New York, N. Y. Filed Dec. 13, 1921. Serial No. 522,086. 4 Claims. (Cl. 116—48.)

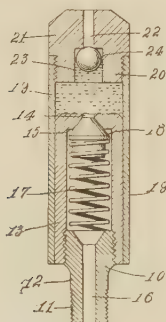
1. A direction indicator for vehicles comprising a bracket carried by the dash of the vehicle, a standard mounted in said bracket and projecting through the top of the vehicle, said standard having a reduced portion on

its upper end forming a base for a lamp housing, a direction indicator, and a tubular extension projecting from said direction indicator, said tubular extension being of



a diameter to permit of its passing over the upper end of said standard to complete the lamp housing and form a mount for said direction indicator on said standard.

1,461,665. GREASE CUP. WILLIAM PETER KOEPFLER, Ponchatoula, La. Filed Mar. 31, 1922. Serial No. 548,400. 1 Claim. (Cl. 184-105.)

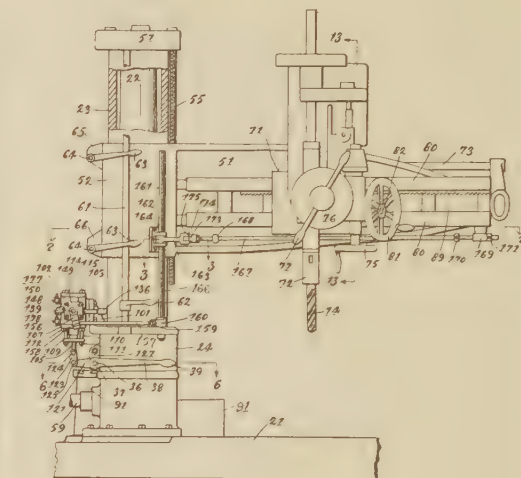


A grease cup provided with a spring pressed valve, in combination with a sliding cup filler formed as a shell telescopically engageable with the grease cup and having its upper end closed except for a bore leading into a chamber, and an upwardly seating valve for closing said bore.

1,461,666. CLAMPING MECHANISM FOR RADIAL DRILLING MACHINES. JAMES E. LARSH, Cheviot, Ohio, assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 18, 1921. Serial No. 478,541. 4 Claims. (Cl. 77-28.)

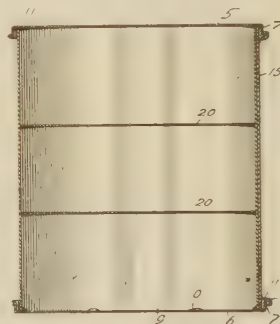
1. In a radial drilling machine, the combination of a swingable drill-arm, a support on which said drill-arm swings, a clamp between said swingable drill-arm and said support, a fluid actuated part for operating said clamp, cushioning means for the latter whereby to cushion said clamp, a valve for said fluid actuated part,

and an axially movable rod extending lengthwise of said drill-arm having connection with said valve and ar-



ranged to be manually grasped at various positions along its length for manual movements of said rod axially to operate said valve.

1,461,667. RECEPTACLE. ISIDOR LEVY, Brooklyn, N. Y. Filed Jan. 19, 1922. Serial No. 530,419. 1 Claim. (Cl. 45-71.)

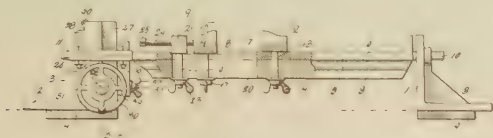


A receptacle comprising a cylindrical body portion having a portion cut away to provide access to the interior thereof, a flanged plate secured to each end of the body portion, said flanged plates being of larger diameter than the diameter of the cylindrical body portion and each plate having a flange extending around its respective end of the cylindrical body portion in spaced relation thereto, a sliding plate conforming to the cylindrical shape of the body portion and adapted to close the access opening thereof, said plate having its edges received in the space between the flanges of the end plates and the cylindrical body portion, and a flange secured to each edge of said closure plate and overlying the flange of its respective flanged plate.

1,461,668. UNIVERSAL FIXTURE. COURTNEY T. MALE, Schenectady, N. Y. Filed June 13, 1921. Serial No. 477,258. 1 Claim. (Cl. 90-60.)

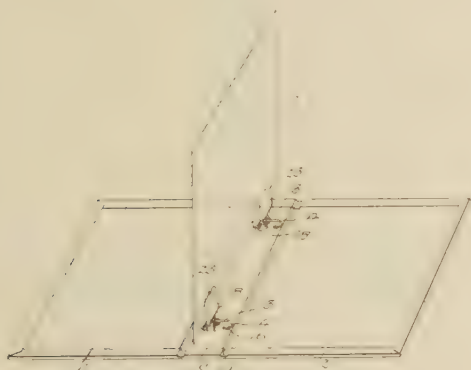
In combination, a table, a fixed jaw mounted on the table, said table provided with a slot, a movable jaw having a shank passing through the slot, means for

locking the moveable jaw in a fixed position, a block mounted on the table and having a shank passing through the slot, means for engaging the shank of the



block for locking the block in a fixed position, and a screw element threaded in the block and adapted to engage the movable jaw.

1,461,669. LOOSE-LEAF CONNECTION. FRANCIS L. MARTIN, Brooklyn, N. Y., assignor of one-half to Adolf W. Swiezy, New York, N. Y. Filed June 1, 1922. Serial No. 565,042. 3 Claims. (Cl. 129—1.)



1. In a loose leaf binder, the combination with a binder back provided with transverse bars, of clips adapted to be attached to the leaves and resiliently engaged with the bar, said clips each comprising a single strip of resilient wire bent to provide a medial loop with the terminals thereof in abutting relation and provided with outwardly divergent portions having inwardly coiled extremities adapted to embrace the bar for detachable and shiftable association therewith.

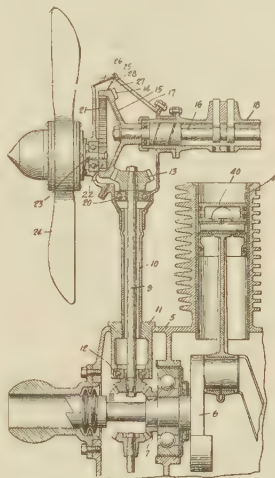
1,461,670. DEVICE FOR INSERTING MAP TACKS. WILLIAM PERCY MILLS, Philadelphia, Pa., assignor to Moore Push-Pin Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 3, 1922. Serial No. 526,829. 1 Claim. (Cl. 1—47.)



A device for inserting headed map tacks which consists of a strip of suitable spring metal of prong shape, the

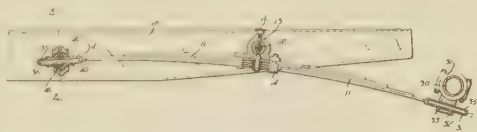
opposite sides of which terminate in hollow semi-spherical outwardly projecting portions adapted to receive the heads of the map tacks, the inner edges of said semi-spherical portions being provided on their lower edges with complementary notches adapted to receive the shanks of the map tacks and the inner edges of said semi-spherical portions being also provided at their opposite side edges with complementary notches adapted to receive the shanks of the map tacks.

1,461,671. TIMING INDEX. VICTOR W. PAGÉ, Kew Gardens, New York, N. Y. Filed June 2, 1921. Serial No. 474,428. 3 Claims. (Cl. 29—84.)



1. In a cam shaft assembly, a cam shaft, a housing, said housing being provided with a window, a driving gear for the cam shaft and having a portion thereof constantly visible through said window, a stationary pointer carried by the housing, and means carried by the driving gear and adapted to coincide with said pointer to indicate the relative position of the cam shaft and the mechanism adapted to be operated thereby.

1,461,672. SPRING MOUNTING. VICTOR W. PAGÉ, Kew Gardens, New York, N. Y. Filed June 18, 1921. Serial No. 478,527. 3 Claims. (Cl. 267—54.)

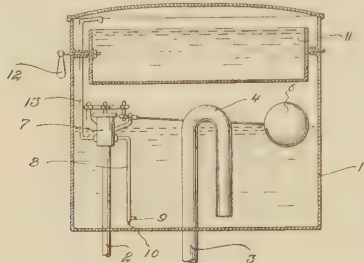


3. An attaching means for springs of vehicles comprising a plurality of bearing blocks rigidly carried by the frame of the vehicle, a bearing mounted for universal movement in said bearing blocks, and a spring mounted for sliding movement in said bearing, said spring having a cylindrical hollow end forming a lubricant receptacle whereby lubricant is fed to the sliding bearing and the universal bearing, substantially as described.

1,461,673. FLUSH TANK. OSCAR C. PAPIN, Dubuque, Iowa. Filed Oct. 24, 1921. Serial No. 509,889. 2 Claims. (Cl. 4—5.)

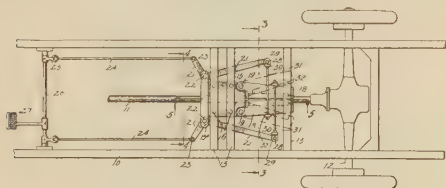
1. A flush tank of the class described comprising a goose neck outlet pipe, an inlet pipe, a valve connected with the inlet pipe, a float controlling the same, a tank rotatably mounted in the flush tank, manually operated

means for rotating the same, a feed pipe leading from the valve of the inlet pipe to the rotary tank, and adjust-



able means for checking the flow of water from the inlet pipe into the flush tank to cause the rotary tank to be filled first.

1,461,674. AUTOMOBILE BRAKE. GORDON PARSON, Plainfield, N. J. Filed July 9, 1921. Serial No. 483,615. 7 Claims. (Cl. 188-67.)

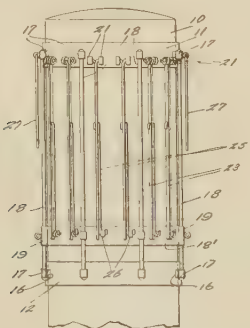


5. A brake for vehicles, including a shaft, a block surrounding the shaft, a pair of brake shoes pivotally mounted at one of their ends to said block and moving toward or from said shaft on said pivoted ends.

1,461,675. RECLAIMING VULCANIZED RUBBER. WILLIAM BEACH PRATT, Wellesley, Mass., assignor to E. H. Clapp Rubber Company, Boston, Mass., a Corporation of Massachusetts. Filed May 25, 1918, Serial No. 236,464. Renewed Dec. 6, 1922. 3 Claims. (Cl. 18-52.)

3. In reclaiming vulcanized rubber, digesting such rubber at an elevated temperature with approximately 2% to 10% of a volatile solvent obtained by digesting oil of turpentine with oxalic acid at an elevated temperature and removing the acid.

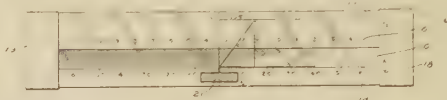
1,461,676. RACK. PATRICK T. REGAN, Bayonne, N. J., assignor of one-half to E. J. Quinn, Bayonne, N. J. Filed July 5, 1922. Serial No. 572,830. 2 Claims. (Cl. 126-342.)



1. A drying rack adapted for use with a circular support, comprising upper and lower split bands adapted to embrace the support, spaced vertically disposed rods supported by said bands, a plurality of supporting arms pivoted on the upper band and normally arranged in parallelism with said support, and adapted to be arranged

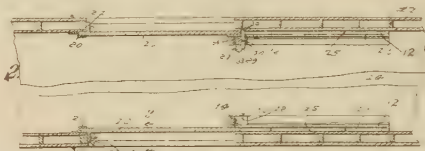
horizontally for use, a brace for said arms, said brace consisting of a semi-circular member slidable on said rods, and rods connecting said circular member with said supporting arm and pivotally associated with said parts, and means for connecting the said sliding brace member with the upper band when the arms are swung to a position for use.

1,461,677. SLIDE RULE. CLARENCE NEWTON REYNOLDS, Jr., Providence, R. I. Filed Aug. 27, 1921. Serial No. 496,028. 6 Claims. (Cl. 235-70.)



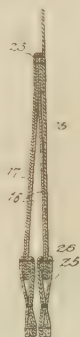
2. In a slide rule for illustrating the implications of Einstein's restricted theory of relativity, the combination with a body having a scale marked thereon for indicating the longitudinal velocities, two slides mounted in the body, one above the other, one slide being provided with windows, two scales marked on the slide provided with windows, one for indicating the time corresponding to the longitudinal velocities and one for indicating transverse velocities relating to the longitudinal velocities, and a scale marked on the other slide for indicating time of the transverse velocities.

1,461,678. CAR DOOR. HENRY RHOBECKER, Columbus, Ohio. Filed July 15, 1921. Serial No. 484,894. 3 Claims. (Cl. 20-22.)



1. A car door mounted for horizontal sliding movement at the inner surface of the car wall and having upper and lower guides for the corresponding edges thereof and a housing guide extending from the rear edge thereof and parallel with the side wall of the car for the reception of the door when open, the door being adapted at its free or front edge to overlap the inner surface of the door jamb or frame in its closed position, a guide clip disposed to receive the overlapping portion of said edge, and an outwardly extending stop flange being provided adjacent to the free or front edge of the door and extending the full height thereof for abutting contact with the inner surface of the door jamb or frame.

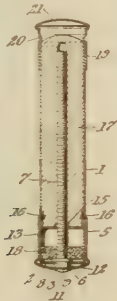
1,461,679. GARMENT. ISAAC ROGGEN, Yonkers, N. Y. Filed June 1, 1922. Serial No. 565,021. 4 Claims. (Cl. 2-92.)



4. In a placket construction, a garment member having a placket opening, a binding for said opening, said bind-

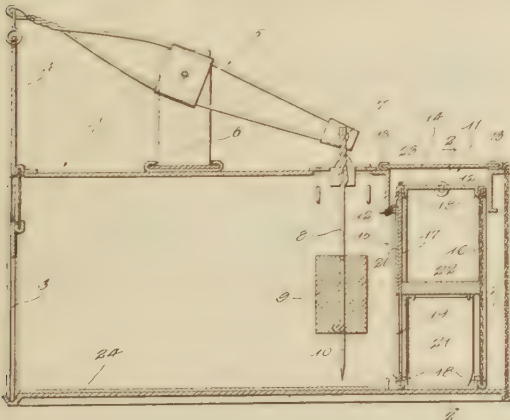
ing comprising two plies of material, one ply longer than the other and one end of each ply secured to the said member, an edge of each ply secured to the edge of the member along said opening, each ply folded to extend on opposite sides of the crotch of said opening, the shorter ply terminating between the longer ply and the member to serve as a reinforcement for said crotch, said plies permanently held in place by securing means passing through the opposite folds of said plies and the said member adjacent the crotch.

1,461,680. LIP-STICK CONTAINER. LE ROY ROOT, Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 1, 1922. Serial No. 565,022. 8 Claims. (Cl. 206—56.)



1. In a lip-stick container, a tubular body, an end cap, a threaded stem providing a revoluble connection between said body and cap and non-revoluble with respect to said cap, and a follower mounted within said body and having cooperative engagement therewith and with said threaded stem, whereby by relative revoluble movement between said body and cap said follower will be moved longitudinally of said body.

1,461,681. ANIMAL TRAP. JOHN P. SCHUCKMAN, Wichita, Kans. Filed Feb. 27, 1922. Serial No. 539,545. 5 Claims. (Cl. 43—61.)

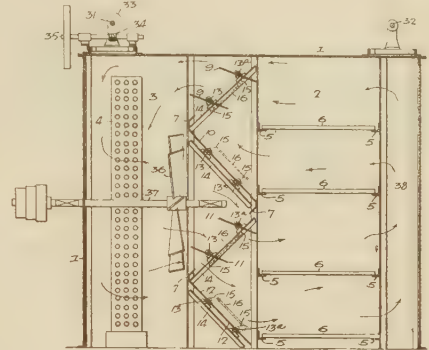


1. In an animal trap, a compartment having an opening in one side formed by striking the metal inwardly to provide spaced guide flanges for co-action with a cage which is designed to be inserted and removed through said opening, said flanges co-acting with the cage to prevent displacement and to facilitate insertion.

1,461,682. TRAY DRIER. WALTER M. SCHWARTZ, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 12, 1921. Serial No. 484,130. 6 Claims. (Cl. 34—39.)

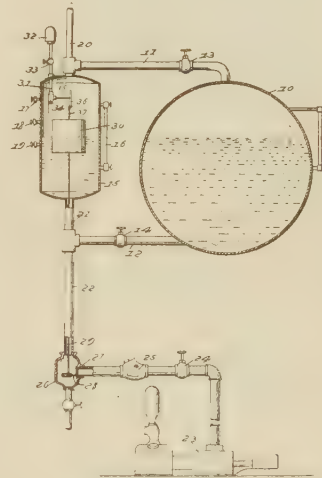
1. The combination in a drying machine, of a heating compartment; a drying compartment; a partition sepa-

rating the two compartments; and including two sets of baffles; automatic means for opening one set of baffles



and for closing the other set of baffles; and means for circulating air in the two compartments.

1,461,683. BOILER-FEED MECHANISM. DAVID C. SEARS, Altus, Okla., and ARTHUR M. BRADFORD, Clovis, N. Mex. Filed Nov. 13, 1920. Serial No. 423,788. 2 Claims. (Cl. 137—101.)

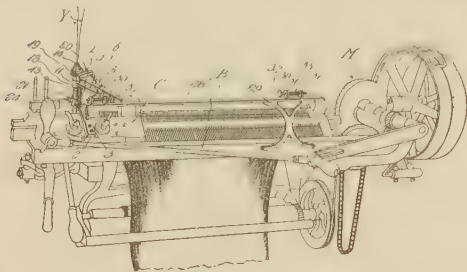


1. A feed water system for boilers having a water column consisting of a casing enclosing a float and in communication at its upper and lower ends with the boiler by means of steam and feed water pipes of which the latter is in communication with a water supply pump, a float controlled feed water valve interposed in said feed water pipe between the boiler and the feed water pump, and an alarm mechanism having a pressure controlling valve in communication with the upper end of the water column casing and operatively connected with the float, said valve having its stem provided with a cross arm and a link connecting the cross arm with the float.

1,461,684. PLATING HALF-ROTARY FEED GUIDE. NAPOLEON HENRY SEYMOUR, Waltham, Mass. Filed May 4, 1922. Serial No. 558,486. 9 Claims. (Cl. 66—12.)

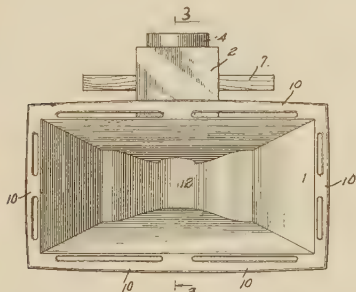
1. A feed drive for knitting machines comprising a bearing bracket for connection with the moving carriage of a knitting machine, a stem rotatably carried by the bracket and having a thread-passage, means for impart-

ing rotary movement to the stem, and means for limiting rotation of the stem, said means consisting of a yoke



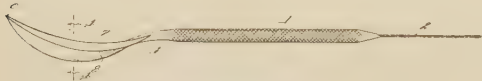
bar secured to the stem and extending transversely thereof with its end portions extending to engage the bracket and limit rotation of the stem.

1,461,685. AMPLIFIER. RUFUS PAUL SILVERTHORN, Marion, Ohio. Filed Nov. 10, 1921. Serial No. 514,297. 2 Claims. (Cl. 181—27.)



1. A tone amplifier for phonographs, including a horn, and a frame around the mouth of the horn, said frame being disconnected from the horn mouth at intervals around the horn, the length of such disconnected parts of the frame being several times greater than the maximum lateral dimension of the frame.

1,461,686. TOOL. REGINALD W. STONE, Pasadena, Calif. Filed Jan. 24, 1922. Serial No. 531,488. 1 Claim. (Cl. 15—104.01.)

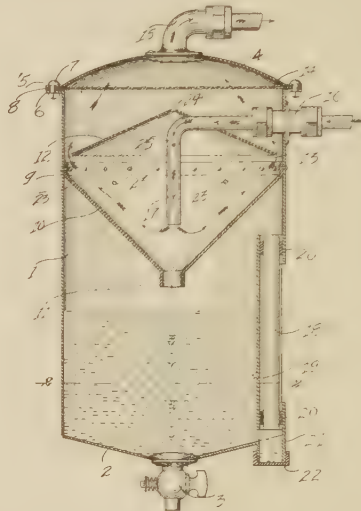


A scraper tool, comprising a substantially rectangular body which is milled and which has its corners rounded, said body having one of its ends widened and formed with a reduced extension whose edges and end are sharpened, said handle having its opposite end provided with a reduced portion terminating in a spoon-shaped extension, the outer end of the spoon-shaped extension being pointed, its upper edges sharpened and its sides integrally formed with sharpened scraping edges.

1,461,687. FUEL CLEANER. ROY E. STROBEL, San Luis Obispo, Calif. Filed June 24, 1921. Serial No. 480,173. 3 Claims. (Cl. 210—165.)

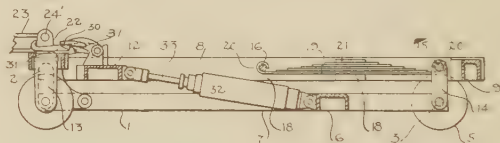
2. In a fuel cleaner, a receptacle having an inlet and outlet adapted to be connected in a liquid fuel line to an engine, said inlet terminating in a downwardly extending discharge and within the receptacle, a funnel shaped baffle in the receptacle and an inverted baffle supported above the first named baffle, said inverted baffle being smaller than the first named baffle and hav-

ing an opening between the respective edges of both baffles, the downwardly extending end of the inlet protruding through the inverted baffle with its discharge end confined within the enclosure made by both of the baffles, and a clearing screen in the receptacle between the baffles and the outlet, a removable top for the receptacle with the said outlet arranged therein and said



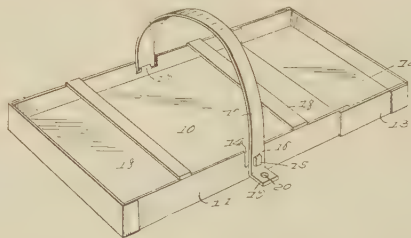
clearing screen being mounted transversely across the receptacle and held in place by the fastening for the said removable top, the bottom of the receptacle providing a sump with a drain cock in the base thereof; whereby foreign substances separated from the fuel may be collected in the sump and released by said drain cock at intervals.

1,461,688. LIFTING TRUCK. WILLIAM STUEBING, Jr., Cincinnati, Ohio. Filed Dec. 24, 1919. Serial No. 347,181. 8 Claims. (Cl. 254—10.)



1. In a lifting truck of the character described, a wheeled base, an elevating platform, and means for raising said platform including solid resilient mechanism adapted to permit the platform to move relatively to said base, said resilient mechanism being connected between the base and platform.

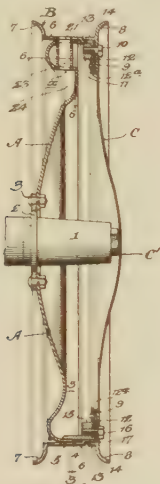
1,461,689. FLY-PAPER HOLDER. OLAF JOHAN SWANSON, Chappaqua, N. Y. Filed Oct. 22, 1921. Serial No. 509,538. 2 Claims. (Cl. 206—61.)



1. A fly paper holder consisting of a tray having side and end walls or flanges and transverse guards connect-

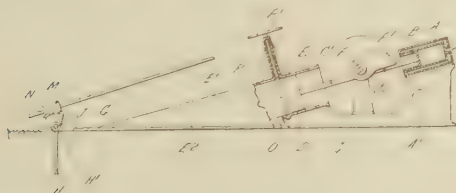
ing the side walls, one of said guards arranged at an intermediate portion of the length of the tray being arched to form a handle and being provided near its extremities with openings for engagement by tongues formed on the side walls of the tray.

1,461,690. DISK WHEEL. EILET M. TORKELSON and BASIL MEIGS, Washington, D. C. Filed Nov. 20, 1922. Serial No. 602,123. 12 Claims. (Cl. 301-63.)



9. A disk wheel construction including a hub, a main disk having a felly flange, a sectional rim construction including a main section adapted to fit on said felly flange and having a retaining flange extending inwardly toward the axis of the wheel, a cover disk carried by said retaining flange, a tire locking member detachably secured to said retaining flange, anchoring lugs carried by the felly flange of the main disk, and fastenings for connecting the retaining flange of the main section of the rim to the said lugs.

1,461,691. METHOD OF AND MEANS FOR PROPELLING AND CONTROLLING VESSELS. THOMAS G. TULLOCH, London, England. Filed Feb. 27, 1920. Serial No. 361,707. 7 Claims. (Cl. 115-14.)

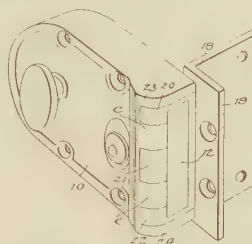


1. A propeller for vessels comprising a water cylinder communicating with an opening in the vessel, a piston operable in said water cylinder, an explosive cylinder, a piston operable in said explosive cylinder, means connecting the two pistons, and means for operating the explosive cylinder piston for compressing a charge in the cylinder, said operating means allowing a rapid movement of the piston in one direction but effecting a slow movement of the piston in the opposite direction.

1,461,692. LOCK. ANDREW YUROW, New York, N. Y., assignor to Samuel M. Elowsky, Brooklyn, N. Y. Filed Aug. 2, 1922. Serial No. 579,247. 4 Claims. (Cl. 20-46.)

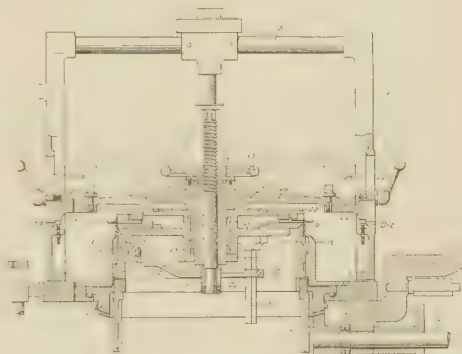
1. The combination with a lock of the character described including a casing, a bolt consisting of a pair

of side bars and a crossbar uniting said side bars at the front ends, and a keeper with which the bolt is en-



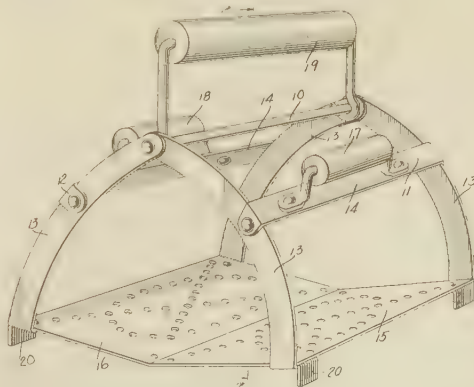
gageable, of guard lugs extending from one end of the casing and overlying the side bars of the keeper at the front and rear faces thereof.

1,461,693. CIRCULAR RIB-KNITTING MACHINE. THOMAS CHARLES BROMLEY and WALTER CAVERS, Leicester, England, assignors to Mellor Bromley & Co. Limited, Minotaur Works, Leicester, England. Filed Aug. 10, 1921. Serial No. 491,112. 5 Claims. (Cl. 66-22.)



1. In a circular rib knitting machine, in combination, a rotary needle cylinder, a fixed spindle coincident with the axis of said cylinder, a dial rotatably mounted upon said spindle and movable up and down thereon, a rotary frame carried by said spindle and situated within the needle cylinder, dogs on the inside of said cylinder to drive said frame, and a rod fixed to and projecting from the dial and passing slidably through the rotary frame to transmit rotation from the latter to the dial.

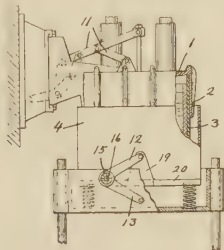
1,461,694. LIFTING DEVICE. JOSEPH BURKLEY, Treadwell, N. Y. Filed Feb. 13, 1922. Serial No. 536,215. 1 Claim. (Cl. 53-1.)



A utensil for handling articles of food, comprising two sets of arc-shaped arms, a rod projecting through the

upper ends of said arc-shaped arms pivotally connecting them together, rigid members connecting each pair of arc-shaped arms, a perforated plate attached to the lower ends of each set of arms, the inner edges of the plates contacting, forming a continuous platform when in normal position, handles attached to the rigid members mounted on the arc-shaped arms presenting a means for operating the pairs of arms, and a handle provided with hook members for detachably engaging the rod joining the upper ends of the arc-shaped arms for lifting the device.

1,461,695. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor to Sears B. Condit, Brookline, Mass. Filed Oct. 12, 1920. Serial No. 416,504. 18 Claims. (Cl. 200—150.)

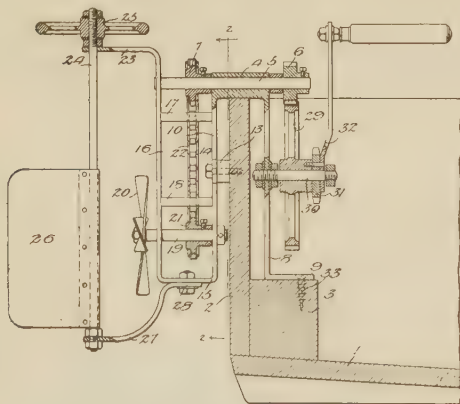


1. An electric switch having a component adapted to move to absorb energy, yielding supporting means for said component, and yielding means to control the action of said supporting means.

1,461,696. SHOE DRESSING. SALVATORE CASSISA, Far Rockaway, N. Y. Filed June 2, 1922. Serial No. 565,445. 3 Claims. (Cl. 134—7.)

2. A shoe dressing containing plaster of Paris, borax, magnesia, sugar, starch and glycerine in proportions substantially as specified.

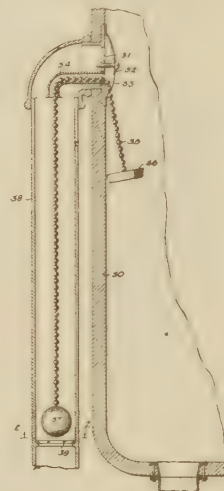
1,461,697. PROPELLING ATTACHMENT FOR BOATS. JOHN N. COUGHLAN, New York, N. Y. Filed June 5, 1922. Serial No. 565,855. 1 Claim. (Cl. 115—24.)



A propelling attachment for boats, which comprises a bearing portion adapted to rest on the upper edge of the rear transom of a boat, a dependent plate on the front end of the bearing portion fastened to an interior portion of the boat, a U-shaped frame connected to the rear end of the bearing portion, a transverse plate on the frame, means for fastening the transverse plate of the U-shaped frame to the rear face of the transom, a driving gear supported on said plate, a driving shaft extending through said bearing portion, a pinion on the front end of said shaft meshing with said gear, a pinion on the rear end of said shaft, the rear end of said shaft

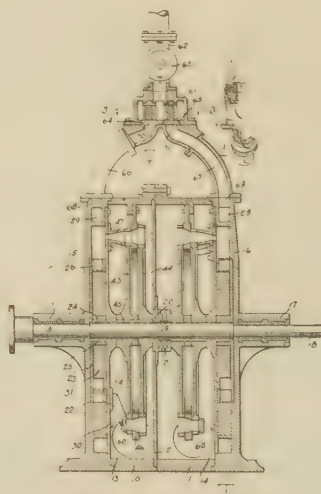
being journaled in one part of the U-shaped frame, a driven shaft journaled in the U shaped frame, a pinion on said shaft, a chain connecting the pinion on the driven shaft and the pinion on the rear end of the driving shaft, a propeller on the rear end of the driven shaft, outwardly and rearwardly projecting bracket plates connected to the upper and lower ends of the U-shaped frame, a rudder shaft journaled at its ends in said bracket plates, a rudder on said shaft, means for permitting the movement of said rudder, a pinion attached to said driving gear, and a handle attached to said pinion.

1,461,698. BATH AND BASIN FITTING. FAY CHASE DARLING, Walton, N. Y. Filed Feb. 8, 1923. Serial No. 617,896. 2 Claims. (Cl. 4—35.)



1. In combination with a bath or basin fitting having a discharge opening and a stopper therefor and an overflow opening, a flexible member connected to the stopper, and a counterweight connected to said flexible member, said counterweight being adapted to move the flexible member through the overflow opening of the fitting to cause disengagement of the stopper from the discharge opening of said fitting.

1,461,699. TURBINE. LOUIS DE SANTIS, Yonkers, N. Y. Filed Aug. 10, 1921. Serial No. 491,314. 6 Claims. (Cl. 253—147.)



1. A turbine including a plurality of rotor units mounted on a common drive shaft, a casing having inde-

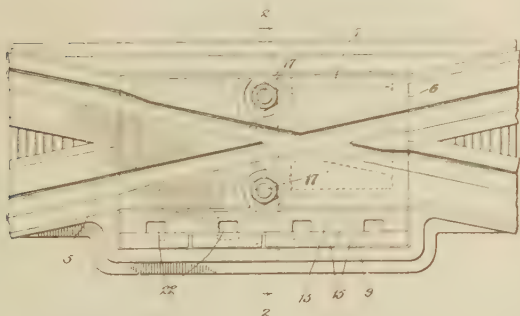
pendent compartments for separately housing said rotary units, each unit consisting of high and low pressure rotors, an annular high pressure fluid supply chamber surrounding the high pressure rotors of each unit, a primary intake leading from said supply chambers to the high pressure rotors, a plurality of circumferentially spaced auxiliary intakes leading from said high pressure supply chamber to each high pressure rotor, and manually controlled means for selectively opening and closing the said auxiliary intakes.

1,461,700. AEROPLANE. ELMER E. NICHOLS, Oakland, Calif. Filed July 25, 1921. Serial No. 487,383. 2 Claims. (Cl. 244—30.)



1. An aeroplane embodying in its construction a fuselage having an air-tight compartment therein, and means for supplying atmospheric air to said compartment, an oxygen supply carried by the body of plane and means operating automatically when the atmospheric pressure in the compartment reaches a predetermined point, to cut off the atmospheric air supply to the compartment and admit oxygen from said tank.

1,461,701. FROG OR CROSSING STRUCTURE. CHARLES A. PSILANDER, Easton, Pa., assignor to William Wharton, Jr. & Company, Incorporated, Easton, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1923. Serial No. 632,891. 12 Claims. (Cl. 246—460.)

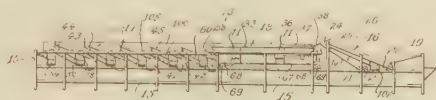


5. A central insert formed with a full section body and with continuous side flanges of reduced cross-section, whereby it has sufficient inherent flexibility to respond to selective deflection to resist crowning.

1,461,702. FRUIT-SIZING APPARATUS. FRED STEBLER and RALPH E. DAVIS, Riverside, Calif., assignors to Stebler Parker Co., Riverside, Calif., a Corporation of California. Filed Feb. 16, 1922. Serial No. 536,896. 10 Claims. (Cl. 130—32.)

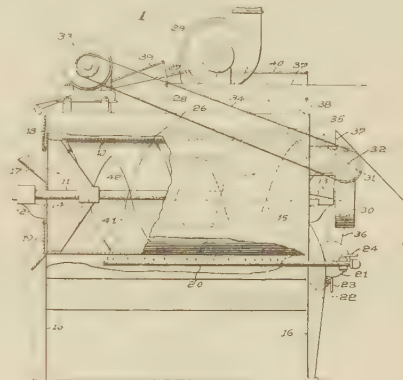
1. In a sizing apparatus, the combination of spaced sizing units, a sorting belt to receive fruit from one of

the sizing units and discharge it upon the other sizing unit, means to direct all of the fruit from the first siz-



ing unit to one side of the sorting belt, and means to operate the sizing units and the sorting belt.

1,461,703. METHOD OF TREATING GRAIN GERM AND SCUTELLUM. DAVID CHIDLOW, Ridgefield, Conn., assignor to James F. Strachan and William S. Strachan, both of Montreal, Canada. Filed May 2, 1923. Serial No. 636,091. 7 Claims. (Cl. 83—42.)



1. The method or process of preserving the germ and scutellum of grain and the life sustaining vitamins contained therein, which consists in heating the germ and scutellum to a sufficiently high temperature and for a sufficient period of time to render the germ and scutellum invulnerable to the destructive action of the air while maintaining the heat below a temperature sufficient to destroy the vitamins in the germ and scutellum.

1,461,704. CARLINE. CHARLES D. BONSALE, Parnassus, Pa., assignor to P. H. Murphy Company, Parnassus, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1920. Serial No. 401,842. 7 Claims. (Cl. 108—5.6.)

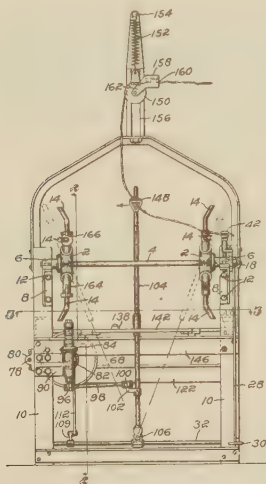


1. A carline comprising a longitudinal portion of substantially inverted U section of uniform width with webs on each side terminating in the same horizontal plane and decreasing in height towards each end and having flanges in said plane increasing in width towards each end.

1,461,705. WINDING AND HANKING MACHINE. ARTHUR E. DUNHAM, Brockton, Mass., assignor to Brockton Welting Co., Inc., Brockton, Mass., a Corporation of Massachusetts. Filed Sept. 15, 1921. Serial No. 500,990. 9 Claims. (Cl. 242—53.)

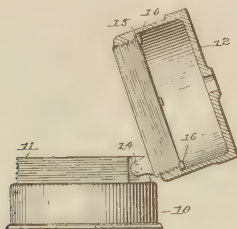
1. In a machine of the class described, in combination, means to hold the free end of the material to be wound; an eye through which the material to be wound extends between said holding means and its source of supply; reel members provided with arms upon which

to wind the material, and mechanism comprising a movable arm and movable guide therefor to impart to said



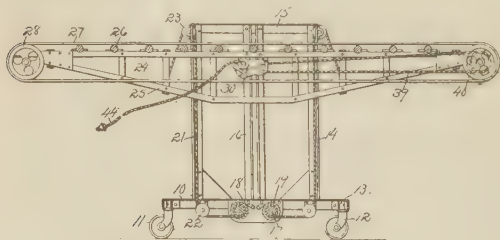
eye movement substantially in the form of an 8 to wind the material in the form of a hank upon said arm.

- 1,461,706. RADIATOR CAP. GERALD E. FORCE, New York, N. Y., assignor to Helmet Cap Company, New York, N. Y. Filed May 12, 1922. Serial No. 560,430. 4 Claims. (Cl. 220—32.)



1. The combination with a radiator filling neck and an internally shouldered cap adapted to fit thereover, of a cap-retaining member contained within the cap and held against separation therefrom by engagement with said shoulder, and a connection between the retaining member and neck permitting the retaining member to be moved to positions overlying or lateral of the neck.

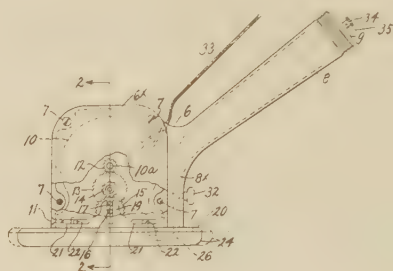
- 1,461,707. PORTABLE CONVEYER. GUSTAVE HANSON and CHARLES A. NELSON, East Berlin, Conn., assignors, by direct and mesne assignments, to Lancaster Iron Works, Lancaster, Pa., a Corporation of Pennsylvania. Filed Apr. 7, 1920. Serial No. 371,927. 11 Claims. (Cl. 198—126.)



1. A conveyer comprising a base, a supporting frame rising from the base, a conveyer frame rigid from end to end, extending on opposite sides, and supported for vertical movement on said supporting frame and pro-

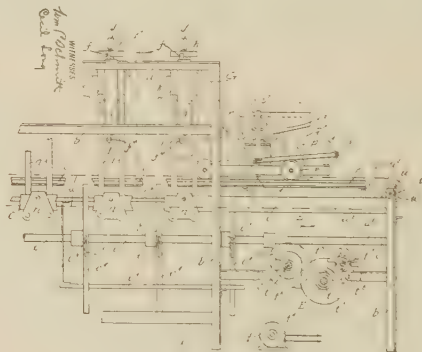
jecting beyond the supporting frame on opposite sides thereof, means for independently lifting either end of said conveyer frame, said lifting means being supported by said supporting frame, and a conveyer movably mounted on said conveyer frame.

- 1,461,708. POLISHING MACHINE. FRANK A. MARCELLO, St. Paul, Minn., assignor of four-tenths to Joseph Franchi, St. Paul, Minn. Filed Apr. 3, 1922. Serial No. 548,945. 4 Claims. (Cl. 91—39.)



1. In a device of the class described, a hollow downwardly opening housing, an integral hollow handle, an electric motor secured within the housing, a polishing pad secured in sliding parallel relation and adjacent to the bottom of said housing, means interposed between the motor axle and said pad for reciprocating the latter and means for conveying oil from the hollow handle into and through the bottom of said pad and means for controlling the flow of oil from the handle.

- 1,461,709. MACHINE FOR MAKING ICE-CREAM CONES AND THE LIKE. FREDERICK H. MILLER, Portland, Oreg. Filed Dec. 27, 1915. Serial No. 68,910. 29 Claims. (Cl. 107—58.)

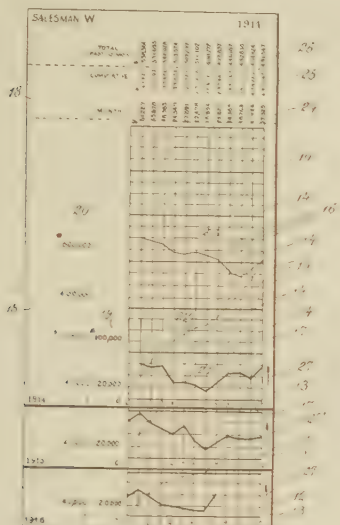


1. In a baking machine, an oven comprising a core and a divided mold, means for opening and closing the mold parts, a batter-applying element adapted to apply batter to the core between the separated mold parts when the mold is open, and means for operating said batter-applying element in time with the opening and closing of the mold.

- 1,461,710. CURVE RECORD SYSTEM. WILLARD C. BRINTON, New York, N. Y. Filed Sept. 26, 1917. Serial No. 193,391. 35 Claims. (Cl. 283—1.)

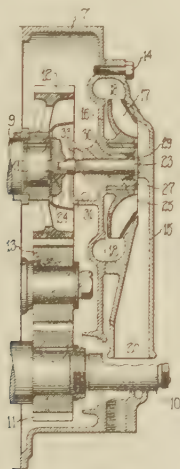
1. A plurality of translucent sheets having variously colored curves thereon adapted to be compared by being superposed or overlapped, each sheet being provided with major coordinate lines which are correspondingly spaced

on the several sheets and are adapted to register when the sheets are compared, and intermediate coordinate



lines which are non-correspondingly spaced on the several sheets but cooperate with the major coordinate lines on each sheet.

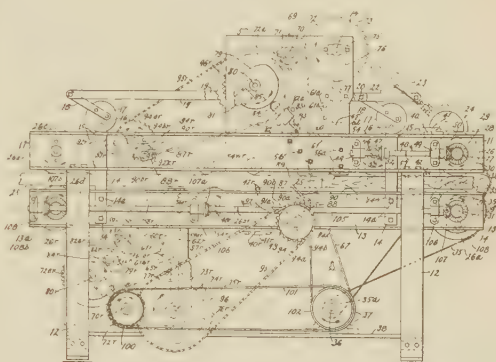
1,461,711. COOLING-LIQUID-PUMP MOUNTING FOR INTERNAL-COMBUSTION ENGINES. ARTHUR A. BULL, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 9, 1920. Serial No. 357,447. 20 Claims. (Cl. 123—175.)



1. In combination in an internal combustion engine having a jacket space through which a cooling liquid may flow, and driving mechanism through which the valve operating shaft of the engine is driven from the crank shaft thereof; a cover secured to the engine and enclosing said driving mechanism; a casing member secured to said cover and co-operating therewith to form a pump chamber; a discharge conduit leading from said pump chamber through said cover and discharging into the jacket space aforesaid, and through which a stream of cooling liquid is supplied thereto; a rotating impeller located within said pump chamber; a driving shaft located in line with the valve operating shaft of the engine and with which said valve operating shaft is operatively connected; a boss formed within said pump

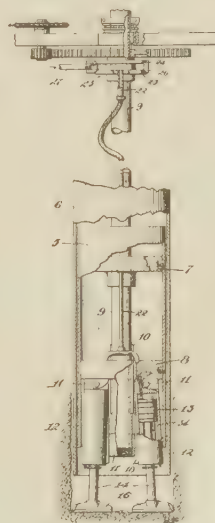
chamber and surrounding said driving shaft and upon which boss said rotating impeller is supported; and driving means intermediate said driving shaft and said impeller and through which said impeller is driven from said driving shaft.

1,461,712. NAIL-PULLING MACHINE. WALLACE ELLIS, Beloit, Wis., assignor of one-half to William Ray, Beloit, Wis. Filed May 20, 1922. Serial No. 562,305. 11 Claims. (Cl. 254—18.)



1. In a device of the class described, a rigid elongated frame and a secondary vertically adjusted frame below the rigid frame, means within said frames for moving a number of planks longitudinally between them and means for removing protruding nails from the planks during the movement of the same.

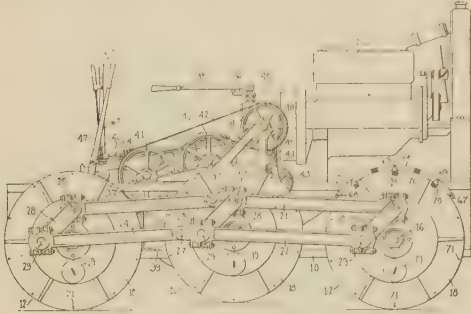
1,461,713. WELL DRILL. FRANK L. GILMAN and JOSEPH R. WILSON, Los Angeles, Calif., assignors of one-fourth to Reni S. Berry, Los Angeles, Calif.; said Wilson assignor of one-third of his right to Caswell C. Matlock, Los Angeles, Calif. Filed July 22, 1921. Serial No. 486,675. 7 Claims. (Cl. 255—4.)



1. In a drill, a head, a plurality of cylinders pivoted on said head, pistons in said cylinders, drills carried by said pistons, means controlled by pivotal movement of

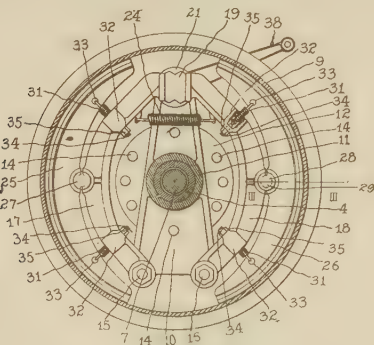
said cylinders for admitting air under pressure to said cylinders, and means for automatically effecting reciprocation of said pistons on delivery of air to the cylinders.

1,461,714. TRACTOR. WILLIAM N. SPRINGER, Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 16, 1919. Serial No. 317,922. 20 Claims. (Cl. 180—17.)



1. In a self-propelled vehicle of the class described, a driving shaft; a motor operatively connected with said shaft; two pairs of driven shafts, the individual shafts of each pair being parallel and spaced apart from one another; means whereby the individual shafts of each pair of driven shafts are driven simultaneously and in opposite directions from and by said driving shaft; driving wheels located one upon either side of the vehicle; and gearing whereby and through which each driving wheel may be driven from either one of the driven shafts of one of said pairs of driven shafts.

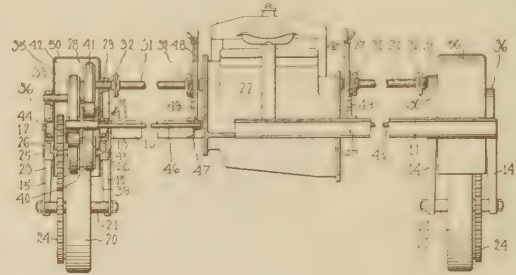
1,461,715. MOTOR VEHICLE. JOHN W. WHITE, Jr., Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 5, 1919. Serial No. 287,894. 12 Claims. (Cl. 188—78.)



11. In brake mechanism of the class described, a brake drum; a brake shoe supporting lever suitably supported

within and movable relative to said drum; a brake shoe operated by said lever; two curved seats formed one in said lever and the other in said brake shoe; a spool arranged between said lever and said shoe and within the curved seats aforesaid; and two springs located one upon each side of said spool, one end of each spring being connected with said shoe and the other with said lever.

1,461,716. FARM TRACTOR. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 2, 1920. Serial No. 393,612. 18 Claims. (Cl. 180—17.)



1. In a tractor of the class described and in combination with a main supporting frame, two unitary driving devices one located upon each side of the tractor and at each end of said main frame and each of which devices comprises a supplemental top frame, and two pairs of depending legs the upper ends of which are fixedly secured to said top frame and which legs are arranged one pair in front of the other; two driving wheels associated with each of said driving devices and which wheels are arranged in tandem and are rotatably supported one between the lower ends of each pair of legs; means whereby said top frames may be secured one to each end of said main frame; an engine carried by said main frame and adapted to drive the tractor; two driving shafts driven by said engine and through which the driving wheels upon opposite sides of the tractor are driven from said engine; two oppositely rotating pulleys located above each of said supplemental top frames and which pulleys are driven from the driving shafts aforesaid; two driven shafts one supported by each of the top frames aforesaid, and each of which shafts is provided with two driven pulleys; two normally loose belts associated with each of said driving devices and which belts pass about the oppositely rotating pulleys aforesaid and about the pulleys upon the driven shaft associated with each driving device; and two belt tightening devices, one associated with the two belts through which the driving wheels upon each side of the tractor are driven and whereby one or the other of said belts may be tightened, to thereby drive the driving wheels with which they are associated.

THE OFFICIAL GAZETTE

OF THE

United States Patent Office.

Vol. 312—No. 3.

TUESDAY, JULY 17, 1923.

Price—\$5 per year.

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$5.00 per annum; single numbers, 10 cents each.
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Total..... 1160

Reciprocity of the Laws of Poland Recognized.

(ORDER NO. 2,826.)

U. S. PATENT OFFICE, Washington, June 30, 1923.

Notice is hereby given that the laws of Poland are recognized as affording to citizens of the United States privileges substantially reciprocal to the privileges accorded by the Nolan Act of March 3, 1921 (41 Stat. L., 1313), and that consequently all the privileges specified in said act will be extended to its citizens.

THOMAS E. ROBERTSON.

Commissioner.

ADJUDICATED PATENTS.

(U. S. C. C. A. Va.) Pugh patent, 1,030,428, for process of manufacturing wire-spoke rims, *Held* void and not infringed. *Wire Wheel Corp. of America v. Budd Wheel Co.*, 288 Fed. Rep., 308.

(U. S. C. C. A. Ohio.) Patent 1,284,432 invalid and not infringed. *Westinghouse Electric & Mfg. Co. v. Formica Insulation Co.*, 288 Fed. Rep., 330.

(U. S. C. C. A. Va.) Lindsay patent, Reissue 14,461, for driving wheel and axle, *Held* invalid and not infringed. *Wire Wheel Corp. of America v. Budd Wheel Co.*, 308 Fed. Rep., 308.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,309,637, E. Klahn, Gyro apparatus, decided June 8, 1923, claim 1.

Pat. 1,381,932, J. E. Redford, Automatic slack adjuster, decided June 6, 1923, claims 1 and 2.

Interference Notice.

U. S. PATENT OFFICE, Washington, June 21, 1923.

Richard L. Clements, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the patent granted December 26, 1922, No. 1,440,057, to Richard L. Clements, care of J. E. Regan Machine Works, 76 Seventh Street, Long Island City, N. Y., and an application for patent filed by Melchior Armato, 1284 Clybourn Avenue, Chicago, Ill., and a notice of such declaration sent by registered mail to said Clements at the address of record and reforwarded to 4 Ketcham Place, Elmhurst, N. Y., the address furnished by his attorney, having been returned by the post office undeliverable, notice is hereby given that unless said Clements, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,

Acting Commissioner.

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The stock of the following publications is held for sale by the Patent Office, and orders for same should be addressed to the Commissioner of Patents:

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Manual of Classification of the German Patent

Office, (translated,) paper cover..... 1.00

Index to German Classification..... 1.00

Definitions of Revised Classes and Subclasses,

edition of 1912, (Bulletins 1 to 27, inclusive)..... .50

Bulletins, excepting Nos. 28, 29 and 30, (now out

of print,) published since 1912, each..... .10

Other publications than those above named, exclusive of printed copies of patents, trade-mark registrations, etc., formerly held for sale by the Patent Office, have been transferred to the Superintendent of Documents, Government Printing Office. Orders for such publications should not be sent to the Patent Office, but to the Superintendent of Documents, to whom all remittances for such publications should be made payable.

Printed copies of specifications and drawings of patents, trade-mark registrations, etc., will be furnished by the Patent Office, as heretofore.

Condition of Applications Under Examination at Close of Business July 6, 1923.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 75,051; Trade-Mark Division, 3,695; Oldest new case, Sept. 2, 1922; oldest amended, Sept. 1, 1922. The dates given are 1922 except where * indicates 1923.)	Divisions, Examiners, and subjects of inventions.		Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
				New	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.			Oct. 3	Sept. 23	1,248
128	2. HADEN, C. F. (Acting), Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Cans; Tobacco.			Sept. 6	Sept. 12	1,550
175	3. RICH, W. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.			Oct. 2	Oct. 5	1,729
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.			Sept. 25	*Feb. 14	1,488
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.			Sept. 7	Sept. 29	1,450
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.			Sept. 16	*Feb. 20	1,868
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.			Sept. 2	Nov. 23	2,720
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.			*Jan. 5	*Mar. 26	1,561
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.			Oct. 23	*May 25	859
235	10. MITCHELL, T. H., Land Vehicles; Land Vehicles, Animal Draft Appliances; Land Vehicles—Bodies and Tops; Land Vehicles—Dumping; Land Vehicles, Wheel Substitutes; Motor Vehicles.			Sept. 18	Oct. 21	1,489
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.			*Jan. 2	Nov. 7	999
322	12. PIERCE, P. P., Machine Elements.			Dec. 4	Dec. 26	1,449
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.			Sept. 16	*Mar. 20	1,229
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.			Sept. 13	*Feb. 8	1,182
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.			Sept. 19	Nov. 4	2,105
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony.			Sept. 11	Sept. 11	2,516
307	17. RAFTER, G. S., Coating, Label Fastening, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.			Sept. 8	Dec. 2	1,544
229	18. PORTELL, M. E., Liquid Heaters and Vaporizers; Motors, Expandible-Chamber Type; Power Plants; Speed-Responsive Devices.			Sept. 1	Sept. 1	2,673
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.			Dec. 18	*Mar. 23	760
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.			Nov. 4	Nov. 27	2,047
212	21. THURBER, W. L., Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.			Sept. 7	*Mar. 1	1,016
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.			Oct. 4	*Jan. 6	601
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.			Sept. 7	Sept. 14	888
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.			Sept. 8	Nov. 24	1,457
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.			*Jan. 26	*Jan. 15	525
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.			Sept. 14	Sept. 27	951
214	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.			Sept. 9	Sept. 22	2,136
225	28. BENSON, A. R., Internal-Combustion Engines.			Oct. 11	Nov. 15	1,493
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.			Oct. 19	*Jan. 15	729
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Type-writing Machines.			Sept. 5	*Feb. 9	2,001
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.			Sept. 9	Sept. 21	1,703
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.			Sept. 5	Oct. 11	1,385
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.			Oct. 16	Oct. 16	1,684
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.			Dec. 9	*Jan. 20	816
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.			*Jan. 29	*Mar. 15	1,137
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.			Dec. 21	Dec. 1	2,028
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.			Sept. 5	Sept. 13	1,977
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.			Sept. 16	Sept. 1	1,927
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.			Sept. 9	Sept. 8	1,435
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Woolen Receptacles.			Sept. 15	*Feb. 26	2,145
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels.			Dec. 12	Nov. 18	928
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps.			Oct. 19	Oct. 31	1,681
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.			Oct. 12	Oct. 13	1,342
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.			Sept. 11	*Feb. 1	1,233
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices.			Sept. 27	Oct. 11	1,530
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.			Nov. 2	Nov. 21	1,431
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time Controlling Mechanism.			Oct. 18	*Jan. 8	1,196
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications.			Sept. 6	Sept. 6	2,372
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.			Oct. 11	Sept. 23	665
102	DESIGNS: C. O. MARKHAM (Acting).			Oct. 13	*Jan. 25	2,773
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. { Trade-Marks.			*Feb. 23	*May 2	3,656
	{ Labels and Prints.			*June 30	*July 3	39

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE A. SCHMIDT & SON.

Decided February 21, 1923.

PRINTS—REGISTRATION FOR LINE OF GOODS.

An advertisement relating to "Old and Modern Silver, Sheffield Plate, Old and Modern Glass, Garnitures and Fine Porcelains" should not be refused registration as a print "because it does not identify any particular goods," since the goods listed are articles of manufacture and there is no ground for holding that the print must relate to a specific individual article.

ON APPEAL.

PRINT.

Mr. Chauncey P. Carter for the applicants.

FENNING, Assistant Commissioner:

This is an appeal from the action of the Examiner of Trade-Marks refusing to register an advertisement as a print. The print indicates that it relates to "Old and Modern Silver, Sheffield Plate, Old and Modern Glass, Garnitures and Fine Porcelains." The Examiner refuses to register because it—

does not identify any particular goods, but does identify a line of goods.

The statute of 1874, under which prints are registered, indicates that when they are "designed to be used for any other articles of manufacture" they may be registered. It seems clear to me that the goods listed by applicant are articles of manufacture, and there is no ground for holding that the print must relate to a specific individual article. Where an applicant presents a plurality of prints, each identifying different specific goods, and requests that they all be included in a single registration, a different problem is presented.

In *ex parte Ruppert* (1906, C. D., 142; 121 O. G., 2327) a print apparently was registered for "malt liquors including beer and ale." Following this case, the Examiner of Trade-Marks is reversed.

Court of Appeals of the District of Columbia.

NULYNE LABORATORIES V. ELECTRO-ALKALINE COMPANY.

No. 1,502. Decided January 2, 1923.

TRADE-MARKS—"CHLOROX" AND "CLOROX" GOODS OF DIFFERENT DESCRIPTIVE PROPERTIES.

Assuming that, in a sufficiently diluted form, a bleaching, cleansing, and antiseptic compound may be successfully used as an antiseptic or mouth wash, the goods are not similar to and do not possess qualities different from tooth paste, and where at the time of the adoption and use of the mark by appellant, in connection with the sale of tooth paste, appellee did not contemplate the preparation and sale of a tooth paste or a mouth wash and its preparation was neither intended for nor capable of use as a tooth paste appellee should not be permitted to appropriate the business and established good will of the appellant, notwithstanding the fact that officers of the appellee company testified that they had used their preparation as a tooth wash.

Mr. F. L. Chappell for Nulyne Laboratories.

Mr. W. S. Hodges and Mr. Geo. R. Walton for Electro-Alkaline Company.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDER, Associate Justices.

ROBB, J.:

Appeal from a decision of the Commissioner of Patents, in a trade-mark opposition case in which the Office refused to register "Chlorox" for appellant as a trade-mark for tooth paste, on the ground of conflict with appellee's previously registered mark "Clorox," for use on "bleaching, cleansing, and antiseptic compounds."

In February of 1915 the appellees, a corporation located at Oakland, California registered the following mark and claimed use since July 15, 1914:



According to the testimony of the president of appellee corporation, its preparation is put up in bottles and the directions thereon—

simply state what it is used for, as a germicidal, disinfectant and antiseptic and a bleach.

This witness, testifying in August of 1920, stated that for "over two years" he had used it as a "tooth wash." The testimony of the other witnesses for appellee was substantially the same, except that its Manager stated that its preparation was used—

for laundry purposes, household, creameries, hospitals, swimming pools, purification of water, bathing suits.

This witness further stated that he had used it as a tooth wash, "for probably four years, off and on," but he admitted that it never had been sold for that purpose. It further appeared that just prior to the taking of the testimony appellee had considered putting up a tooth paste and mouth wash.

Appellant, a corporation located in the city of Jackson, in the State of Michigan, filed its application in June of 1921 and alleged use since November of 1917.

We are convinced that, at the time of the adoption and use of the mark by appellant, in connection with the sale of tooth paste, appellee did not contemplate the preparation and sale of a tooth paste or mouth wash. We are further convinced, by the evidence offered for appellee, that its preparation was neither intended for nor capable of use as a tooth paste. It may be assumed that, in a sufficiently-diluted form, it may be successfully used as an antiseptic or mouth wash.

This, therefore, is a case in which the goods of the parties are dissimilar and possess different qualities and characteristics. (See *Anglo-American Incandescent Light Co. v. General Electric Light Co.*, 43 App. D. C., 385; 215 O. G., and *Fishback Soap Co. v. Kleeno Mfg. Co.*, 44 App. D. C., 6; 210 O. G., 663.) When appellant adopted its mark the field was open. In other words, there is nothing to raise a doubt as to its good faith, and we therefore do not think appellee should be permitted, at this late day, to appropriate the business and goodwill thus established. This was the view of the Examiner of Interferences, who said:

The mere fact that the goods of the opposer can be used as an essential ingredient of a tooth paste is deemed by the examiner not to justify the conclusion that tooth paste and these goods possess the same descriptive properties.

The decision appealed from is reversed.

Reversed.

Court of Appeals of the District of Columbia.

U. S. COMPRESSION INNER TUBE CO. v. CLIMAX RUBBER CO.

No. 1,579. Decided June 4, 1923.

TRADE-MARKS—ACT OF MARCH 19, 1920—NO APPEAL TO DISTRICT OF COLUMBIA COURT OF APPEALS.

The only appeal specifically provided for in the act of March 19, 1920 (section 8), being to the Commissioner of Patents from the decision of the Examiner clearly implies that Congress by omitting section 9 of the Trade-Mark Act of February 20, 1905, intended to limit the right of appeal under the present act (of March 19, 1920) to the Commissioner of Patents.

Mr. A. E. Wallace for U. S. Compression Inner Tube Co.

Mr. D. P. Wolhaupter for Climax Rubber Co.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, J.:

This appeal is from a decision of the Commissioner of Patents sustaining a petition for cancellation of a trade-mark registered by appellant, United States Compression Inner Tube Company, under the act of Congress of March 19, 1920. (41 Stats. L., 533).

We are confronted with a motion to dismiss the appeal on the ground that appeal does not lie to this court from the decision of the Commissioner in cases arising under the 1920 act. The purpose of the act, as stated in the title, is—

to give effect to certain provisions of the convention for the protection of trade-marks and commercial names, made and signed in the city of Buenos Ayres, in the Argentine Republic, August 20, 1910, and for other purposes.

Previous to the enactment of this law, descriptive geographical and personal names were not subject to registration under the Trade-Mark Act of February 20, 1905, (33 Stats. L., 724), unless they had been used exclusively by the applicant for more than ten years prior to that date.

Paragraph (a) of section 1 of the 1920 act, requires the Commissioner of Patents to keep a register of trade-marks and commercial names, sent to him by the international bureaus, which are within

the protection of the Buenos Ayres agreement; and paragraph (b) provides, among other things, as follows:

All other marks not registerable under the act of February 20, 1905, as amended, except those specified in paragraphs (a) and (b) of section 5 of that act, but which had been in bona fide use for not less than one year in interstate or foreign commerce, or commerce with the Indian tribes by the proprietor thereof, upon or in connection with any goods of such proprietor,

are entitled to registration.

Appellant, by its application for registration under subsection (b), supra, concedes that the mark in issue is descriptive and, therefore, not subject to registration under the Trade-Mark Act of 1905. This brings us to the proposition presented by the motion to dismiss, whether or not appeal lies to this court from the action of the Commissioner directing the cancellation of a mark registered under the 1920 act. The right of appeal to this court from the decision of the Commissioner of Patents in trade-mark cases, is accorded by section 9 of the Trade-Mark Act of 1905, and unless appellant can establish its right to appeal under the express provisions of that act, the motion to dismiss must be sustained.

Section 6 of the 1920 act, among other things, provides:

That the provisions of sections 15, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27 and 28 (as to class (b) marks only) of the act approved February 20, 1905, entitled "An act to authorize the registration of trade-marks used in commerce with foreign nations or among the several States, or with Indian tribes, and to protect the same," as amended to date, and the provisions of section 2 of the act entitled "An act to amend the laws of the United States relating to the registration of trade-marks," approved May 4, 1906, are hereby made applicable to marks placed on the register provided for by section 1 of this act.

It will be observed that section 9 of the Trade-Mark Act of 1905, providing for appeals from the decisions of the Commissioner of Patents in trade-mark opposition and cancellation proceedings to this court, is not embraced within the provisions of section 6 of the 1920 act. The only appeal specifically provided for in the act, (section 8) being to the Commissioner of Patents from the decision of the Examiner, clearly implies that Congress, by omitting section 9 of the Trade-Mark Act, intended to limit the right of appeal under the present act to the Commissioner of Patents. We are of opinion, therefore, that no right of appeal to this court has been accorded under the 1920 act, and that the motion to dismiss should be sustained.

Appeal dismissed.

Supreme Court of the United States.

CROWN DIE AND TOOL COMPANY v. NYE TOOL AND MACHINE WORKS.

No. 240. Decided February 19, 1923.

1. PATENTS—ASSIGNMENT OF CLAIMS AND RIGHTS AGAINST ONE INFRINGER ONLY—SUIT BY THE ASSIGNEE—JURISDICTION OF UNITED STATES COURT.

Where the owner of a patent executed an instrument assigning all its claims arising out of the infringement of the patent by the defendant, and all its rights of excluding the defendant from practicing the invention of the patent, the owner reserving its rights against others, and, both parties being citizens of the

same State, the defendant questioned the jurisdiction of the United States court, saying that a suit brought by the assignee under the alleged assignment does not arise under the patent laws of the United States, but is merely a suit on a contract, like one for royalties under a license, *Held* that the validity of the assignment of a patent was involved, which is a question arising under the patent laws.

2. SAME—COMMON-LAW AND STATUTORY RIGHTS OF A PATENTEE.

The Government does not confer on a patentee the right himself to make, use, or vend his own invention. Such right was a right under the common law. In its essence all that the Government confers by a patent is the right to exclude others from making, using, or vending his invention.

3. SAME—MERE RIGHT TO EXCLUDE OTHERS NOT ASSIGNABLE.

The preceding principles do not sustain the further step in the respondent's reasoning, which is that they make the mere right to exclude persons from the making, using, and vending of an invention such an interest in a patent that it can be assigned.

4. SAME—SAME—ILLEGAL DIVISION OF PATENT MONOPOLY.

An effort to divide up the monopoly of patent property, so that the patentee retains his right to make, use, and vend, but gives to many different individuals the right to sue certain named infringers, respectively, if held legal would give the patentee an opportunity without expense to himself to stir up litigation by third persons that is certainly contrary to the purpose and provisions for the assigning of patents.

5. SAME—SAME—SAME—CLAIM FOR DAMAGES FOR INFRINGEMENT NOT MERELY A CHOSE IN ACTION.

The view that the claim of an owner of a patent for damages for infringements is only a chose in action which in modern days may be so assigned that the assignee acquires full title and the right to sue at law as well as in equity without joining his assignor ignores the peculiar character of patent property and the recognized rules for the transfer of its ownership and its rules.

6. SAME—SAME—SAME—POLICY ARISING FROM PATENT STATUTES NOT SET ASIDE BY EQUITY RULE.

The equity rule under which it is urged that every action must be prosecuted in the name of the real party in interest was not intended to set aside a policy and rule having its source in the patent statutes.

7. SAME—SAME—SAME—PARTIES TO SUIT WHERE CLAIMS FOR PAST INFRINGEMENT HAVE BEEN ASSIGNED.

If the owner of the patent when the infringement took place has assigned his patents to one and his claims for damages for infringement to another, then the latter can not sue at law at all, but must compel his assignor of the claims to sue for him. In equity both such assignor and the assignee who is the real party in interest must join as plaintiffs.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit.

STATEMENT OF THE CASE.

This was a bill in equity filed in the United States District Court for the Northern District of Illinois by the Nye Tool and Machine Works, a Corporation of Illinois, having its place of business in Chicago, against the Crown Die and Tool Company, a corporation of the same State and doing business in the same city. The plaintiff sought to enjoin the infringement of a patent for a machine for forming screw-thread-cutting devices, and for an accounting of profits and for damages. The inventors were Wright and Hubbard, and the patent issued to their assignee, the Reed Manufacturing Company of Pennsylvania.

The plaintiff based its right to sue on the following instrument which it terms an assignment:

EXHIBIT A.

Whereas, Reed Manufacturing Company, a corporation of Pennsylvania, is the owner of Letters Patent of the United States, No. 1,033,142, for a machine for forming screw-thread cutting devices, granted July 23, 1912, on an application of Wright and Hubbard; and

Whereas, under said patent said Reed Manufacturing Company has the right to exclude others from manufacturing, using and selling the devices of said patent; and

Whereas, it is believed by the parties that Crown Die & Tool Company, a corporation of Illinois, has been manufacturing and using devices in infringement of said patent; and

Whereas, Nye Tool & Machine Works is engaged in the manufacture of dies with which the dies made by said Crown Die & Tool Company, by the use of said infringing machine, are in competition; and

Whereas, Nye Tool & Machine Works is desirous of acquiring from Reed Manufacturing Company all of its rights of exclusion under said patent, so far as the same may be exercised against the Crown Die & Tool Company, together with all rights of the Reed Manufacturing Company against the Crown Die & Tool Company arising out of the infringement aforesaid:

Now, therefore, in consideration of one thousand dollars (\$1,000.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, the Reed Manufacturing Company hereby assigns and sets over to the Nye Tool & Machine Works all claims recoverable in law or in equity, whether for damages, profits, savings, or any other kind or description, which the Reed Manufacturing Company has against the Crown Die & Tool Company arising out of the infringement by the Crown Die & Tool Company of the Wright & Hubbard patent No. 1,033,142; and, for the same consideration, assigns and sets over all the rights which it now has arising from said patent of excluding the Crown Die & Tool Company from the practice of the invention of said patent, the intention being that, in so far as concerns the exclusion of the Crown Die & Tool Company under said patent, the Nye Tool & Machine Works shall be vested with as full rights in the premises as the Reed Manufacturing Company would have had had this assignment not been made; and that the Nye Tool & Machine Works shall have the full right to bring suit on said patent, either at law or in equity against said Crown Die & Tool Company, and for its own benefit, to exclude the Crown Die & Tool Company from practicing the invention of said patent, and for its own use and benefit to collect damages which may arise by reason of the future infringement of said patent by the Crown Die & Tool Company, but nothing herein contained shall in any way affect or alter the rights of the Reed Manufacturing Company against other than the Crown Die & Tool Company; and, for the same consideration, all rights as are herein given against the Crown Die & Tool Company are given as against any successor or assignee of the business thereof.

REED MANUFACTURING COMPANY,

By P. D. WRIGHT,

Its President.

The defendant moved to dismiss the bill as follows:

Now comes the defendant, Crown Die and Tool Company, by its solicitor, and moves the Court to dismiss the bill of complaint instituted in the above entitled cause upon grounds and reasons therefor as follows:

1. That the bill of complaint states an alleged cause of action arising out of the assumed infringement of a patent in which plaintiff has no title, and prays an injunction, and accounting and damages.

2. That the owner of the entire or any part of the legal title to the patent sued on is not made a party to the suit.

3. That the legal effect of the alleged assignment set up as the basis of this cause of action and forming part of the bill of complaint herein is contrary to the statutes covering suits for infringement of patents, and shows on its face that the plaintiff has no interest in the patent sued on.

4. That the bill of complaint herein, including the alleged assignment, evidences a conspiracy against this defendant by the parties to the document identified as "Exhibit A," in which the plaintiff and the Reed Mfg. Company assumed the function of the Court in having already decreed that this defendant infringes Patent No. 1,033,142, and now seeks to utilize this Court to annoy and harass the Crown Die and Tool Company by instituting legal proceedings when no right of action exists.

5. That "Exhibit A" attached to the bill of complaint in this case purports only to convey to plaintiff all claims recoverable in law or in equity which the Reed Mfg. Co. may have against the Crown Die and Tool Co., over which subject matter this Court has no jurisdiction.

6. Prior suit pending, between the same parties in this Court, decision of which will determine any questions involved in this case.

Therefore this defendant respectfully moves the Court to dismiss said bill of complaint with its reasonable costs and charges in its behalf most wrongfully sustained.

CROWN DIE & TOOL CO.,

By FLORENCE KING,

Solicitor for Defendant.

The district judge in the interest of expedition granted the motion to dismiss in order that the main question, i. e., the plaintiff's right to sue might be determined by the circuit court of appeals before the expense of an accounting should be incurred, although he thought the plaintiff had acquired the right under the instrument. (270 Fed., 587.) The circuit court of appeals reversed the decree of dismissal, holding the instrument to be a valid assignment of an interest in the patent conferring the right to sue and remanded the cause to the district court for an accounting and further proceedings. (276 Fed., 376.)

Although the decree of the circuit court of appeals is not final, the importance of the question involved and the possible saving of useless litigation led this Court to grant the writ of certiorari before further proceedings in the district court.

Miss Florence King for Crown Die and Tool Co.

Mr. Russell Wiles for Nye Tool and Machine Works.

Mr. Chief Justice TAFT, after stating the case as above, delivered the opinion of the Court.

[1] The petitioner raises a question of jurisdiction. It says that the suit does not arise under the patent laws of the United States, but is merely a suit on a contract like one for royalties under a license of which the district court could not have jurisdiction because the parties are both citizens of the same State. To sustain this argument are cited *Albright v. Teas* (106 U. S., 613; 23 O. G., 829); *Pratt v. Paris Gas Light Company* (168 U. S., 255), and *Excelsior Wooden Pipe Co. v. Pacific Bridge Company* (185 U. S., 282; 99 O. G., 2102). The cases have no application and the point is without merit. The bill in this case is based on an assignment of a patent claimed to be valid under the statutes of the United States, and asking the protection of the patent right thus assigned by injunction and an accounting. It, therefore, involves the validity of the assignment of a patent, which is a question arising under the patent laws because it depends upon their construction, and if the assignment is valid, the suit is just an ordinary suit for injunction and profits dependent on the validity of the patent and its infringement under those same laws. There is no question of royalties by contract in the case.

The main question is an interesting one. The argument of counsel for the respondent and the one upon which the circuit court of appeals proceeded to its conclusion is that the right which the patentee derives from the Government by its grant is not the right to make, use and vend; that such a right is a so-called natural right not dependent on statute but arises under the common law and has no peculiar Federal source or protection other than any other right of liberty or property. All that the Government grants and protects is the power to exclude others from making, using, or vending during the grant of seventeen years. Under the patent law (sec. 4898 R. S.) a patentee may assign by an instrument in writing his patent or any interest therein. It is argued that as the patent is only the power to exclude all from making, using and vending, the power to exclude some particular person from doing

so is a part of that power of exactly the same nature and therefore is a definite interest in the patent that can be assigned.

[2] The analysis of the rights which a patentee acquires under the grant is sustained by a line of authorities. (*Bloomer v. McQuewan*, 14 How., 539, 548; *Patterson v. Kentucky*, 97 U. S., 501; *United States v. Bell Telephone Company*, 167 U. S., 224, 249; 79 O. G., 1362; *Bement v. National Harrow Company*, 186 U. S., 70, 90; 101 O. G., 887; *Continental Paper Bag Company v. Eastern Paper Bag Co.*, 210 U. S., 405; 136 O. G., 1297; *Heaton Peninsular Company v. Eureka Specialty Company*, 77 Fed., 288, 294; 78 O. G., 171; *Fuller v. Berger*, 120 Fed., 274.) The fullest and most satisfactory discussion of the subject is found in the *Continental Paper Bag Company v. Eastern Paper Bag Company*, supra. In that case it was sought to defeat a suit for infringement of a patent by the patentee on the ground that he was not entitled to ask a court of equity to aid him in protecting the grant of the patent to him by the Government because he had failed and neglected ever to use the patent himself or to allow anybody else to do so and therefore had not rendered to the public the benefit and consideration for which the patent was granted. This Court held that the benefit which the Government intended to secure was not the making or use of the patent for the benefit of the public during the seventeen years of the grant except as the patentee might voluntarily confer it from motives of gain, but only the benefit of its public use after the grant expired. The Court held that the Government did not confer on the patentee the right himself to make, use or vend his own invention, that such right was a right under the common law not arising under the Federal patent laws and not within the grant of power to Congress to enact such laws, and that in the absence of the express statutory imposition upon the patentee of the obligation to make, use or vend his patented invention as a condition of receiving his patent, it would not be implied. The Court further held that in its essence all that the Government conferred by the patent was the right to exclude others from making, using or vending his invention.

[3] We do not think, however, that these clearly established principles sustain the next step in the reasoning of the counsel for the respondent and the circuit court of appeals which is that they make the mere right to exclude persons from the making, using and vending of an invention such an interest in a patent that it can be assigned. It ignores the indispensable condition of the granting and establishment of a patent right and patent property that the patentee shall have himself the common-law right of making, using and vending the invention. The sole reason and purpose of the constitutional grant to Congress to enact patent laws is to promote the progress of science and useful arts by securing for limited times to inventors the exclusive right to their respective discoveries. (Art. I, sec. 8, clause 8.) In pursuance thereof, section 4886, Re-

vised Statutes, as amended (29 Stat., 692), provides that any person who has invented or discovered any new and useful art, machine, manufacture or composition of matter or any new or useful improvements thereof, upon certain conditions not important here, may obtain a patent therefor. Section 4884, Revised Statutes, directs that the grant of a patent shall be to the patentee, his heirs or assigns, for the term of seventeen years of the exclusive right to make, use and vend the invention or discovery throughout the United States. An inventor may in writing assign his invention and the right to a patent before the patent is granted, and under section 4895, Revised Statutes, a patent will issue to the assignee. Can it be claimed that an assignment of the right to exclude all from making, using and vending and excepting therefrom the right to make, use and vend in the assignee, would be such an assignment as would justify the Patent Office in issuing the patent under the statute to the assignee? Yet if all that there is in a patent property is the bare right to exclude others from making, using or vending some thing, the patent should issue in such a case.

The error in the position of the respondent and the court below is in a failure to distinguish between the property or title or interest in a patent capable of assignment and the chief incident of that property, title or interest, an incident which can only pass by assignment when attached to the right to make, use and vend. It is the fact that the patentee has invented or discovered something useful and thus has the common-law right to make, use and vend it himself which induces the Government to clothe him with power to exclude everyone else from making, using or vending it. In other words, the patent confers on such common-law right the incident of exclusive enjoyment and it is the common-law right with this incident which a patentee or an assignee must have. That is the implication of the descriptive words of the grant "the exclusive right to make, use and vend the invention." The Government is not granting the common-law right to make, use and vend, but it is granting the incident of exclusive ownership of that common-law right, which can not be enjoyed save with the common-law right. A patent confers a monopoly. So this Court has decided in the Paper Bag case, *supra*, and in many other cases. The idea of monopoly held by one in making, using and vending connotes the right in him to do that thing from which he excludes others.

Dealing with question of patent assignments under the laws of the United States, Mr. Justice Gray, in *Waterman v. Mackenzie* (138 U. S., 252, 255; 54 O. G., 1562), said:

The monopoly thus granted is one entire thing, and can not be divided into parts, except as authorized by those laws. The patentee or his assigns may, by instrument in writing, assign, grant, convey, either, 1st, the whole patent, comprising the exclusive right to make, use and vend the invention throughout the United States; or, 2nd, an individual part or share of that exclusive right; or, 3rd, the exclusive right under the patent within and throughout a specified part of the United States, Rev. St., par. 4898. A transfer of either of these three kinds of interests is an assignment, prop-

erly speaking, and vests in the assignee a title in so much of the patent itself, with a right to sue infringers; in the second case, jointly with the assignor; in the first and third cases, in the name of the assignee alone. Any assignment or transfer, short of one of these, is a mere license, giving the licensee no title in the patent, and no right to sue at law in his own name for an infringement. (Rev. St., par. 4919; *Gayler v. Wilder*, 10 How., 477, 494, 495; *Moore v. Marsh*, 7 Wall., 515.)

The learned justice then proceeds (p. 256) to give examples of what would and would not constitute an assignment. A grant of an exclusive right to make, use and vend two patented machines within a certain district, he points out citing *Wilson v. Rousseau* (4 How., 646, 686), is an assignment because the right, although limited to making, using and vending two machines excludes all other persons even the patentee from making, using or vending like machines within the district.

On the other hand [he says] the grant of an exclusive right under the patent within a certain district, which does not include the right to make, and the right to use, and the right to sell, is not a grant of a title in the whole patent right within the district, and is therefore only a license.

In *Gayler v. Wilder* (10 How., 477) it was held that the grant of an exclusive right to make and vend an article within a certain territory upon paying to the assignor a cent per pound, reserving to the assignor the right to use and manufacture the article by paying the assignee a cent per pound, was only a license and that a suit for the infringement of the patent right must be brought in the name of the assignor. The effect of the opinion in that case is that the monopoly granted the patentee is for one entire thing and in order to enable an assignee to sue he must have received the entire and unqualified monopoly in the territory specified. Chief Justice Taney's reason for this (p. 494) is useful in this case.

For [said he] it was obviously not the intention of the legislature to permit several monopolies to be made out of one, and divided among different persons within the same limits. Such a division would inevitably lead to fraudulent impositions upon persons who desired to purchase the use of the improvement, and would subject a party who, under a mistake as to his rights, used the invention without authority, to be harassed by a multiplicity of suits instead of one, and to successive recoveries of damages by different persons holding different portions of the patent right in the same place.

See also *Pope Manufacturing Co. v. Gormully Manufacturing Company* (144 U. S., 238, 250; 59 O. G., 471).

[4] These cases do not present the same facts as the one before us; but they indicate clearly what view the courts deciding them would have taken of an effort like that in the case at bar to divide up the monopoly of patent property so that the patentee retains the right to make, use and vend, but gives to many different individuals the right to sue certain named infringers, respectively, and that with the sole motive of harassing them such as is avowed in the recitals of the instrument before us. If held legal, it would give the patentee an opportunity without expense to himself to stir up litigation by third persons that is certainly contrary to the purpose and spirit of the statutory provisions for the assigning of patents.

Nor do we think that the principle of *Patterson v. Kentucky* (97 U. S., 501), or the instance of a

patent for an improvement on a machine, patent for which is held by another, involves anything inconsistent with our conclusion that the right to exclude others conferred in a patent can only be conferred upon one who has the common-law right to use, make and vend. In *Patterson v. Kentucky*, the patentee had the common-law right to make, use and vend, but the State of Kentucky exercising her lawful police power restricted him in it. In the case of the patentee for improvement on a patented machine, the patentee has the right to make, use and vend the improvement, but he can not make it profitable or useful unless he can secure the right to put it on to another machine.

For the reasons given, we think the attempted assignment in this case carried no part of the title to the patent or interest in it and therefore conferred no right to sue for damages for infringement of the patent after the execution of the instrument.

The remaining question is whether the instrument relied on by the plaintiff below gave it the right to sue in its own name in this case for damages for past infringements. We think not.

[5] The plaintiff below could not bring such a suit for past infringements without joining with it the owner of the patent when the infringements were committed. It is said that the claim of an owner of a patent for damages for infringements is only a chose in action which in modern days may be so assigned that the assignee acquires full title and the right to sue at law as well as in equity without joining his assignor. This view ignores the peculiar character of patent property and the recognized rules for the transfer of its ownership and its incidents. Patent property is the creature of statute law and its incidents are equally so and depend upon the construction to be given to the statutes creating it and them, in view of the policy of Congress in their enactment. This is shown by the opinion of this Court in *Waterman v. McKenzie* (138 U. S., 252), already cited, and in the line of authorities followed therein. It is not safe, therefore, in dealing with a transfer of rights under the patent law to follow implicitly the rules governing a transfer of rights in a chose in action at common law. As Chief Justice Taney said in *Gayler v. Wilder* (10 How., 477, 494):

The monopoly did not exist at common law, and the rights, therefore, which may be exercised under it cannot be regulated by the rules of the common law. It is created by the act of Congress; and no rights can be acquired in it unless authorized by statute, and in the manner the statute prescribes.

The law as to who should bring a suit at law for damages by infringement of a patent is clearly and correctly stated in Robinson on Patents (Vol. III, sec. 937), as follows:

With a single exception the plaintiff in an action at law must be the person or persons in whom the legal title to the patent resided at the time of the infringement. An infringement is an invasion of the monopoly created by the patent, and the law which defines and authorizes this monopoly confers only upon its legal owners the right to institute proceedings for its violation. These owners are the patentee, his assignee, his grantee, or his personal representatives; and none but these are able to maintain an action for infringement in a court of law. Moreover, the injury inflicted by an act of infringement

falls upon the individual who owns the monopoly at the date of the infringement. It does not affect former owners whose interest had terminated before the infringement was committed, nor does it so directly prejudice a future owner that the law can recognize his loss and give him a pecuniary redress. Hence the plaintiff must not only have a legal title to the patent, but must have also been its owner at the time of the infringement. The exception above referred to arises where an assignment of a patent is coupled with an assignment of a right of action for past infringements. In this case the present owner of the monopoly may institute proceedings for its violation during the ownership of his assignor as well as for infringements committed since the transfer of the title to himself.

In *Moore v. Marsh* (7 Wall., 515) the question was whether a sale and assignment by a patentee of his patent right was, under the fourteenth section of the Patent Act of 1836 (ch. 357, 5 Stat., 117, 123) now embodied in section 4919 of the Revised Statutes, a bar to an action by him to recover damages for an infringement committed before such sale and transfer. The section provided:

And such damages may be recovered by action on the case, in any court of competent jurisdiction, to be brought in the name or names of the person or persons interested, whether as patentees, assignees, or as grantees of the exclusive right within and throughout a specified part of the United States

The neat issue in that case was whether "the name or names of the person or persons interested" meant the person interested when the infringement took place or when the suit was brought. The Court held that it meant the person who was patentee, assignee, or grantee when the infringement occurred and the cause of action accrued. The Court held, therefore, that the proper plaintiff in a suit for past infringements was not the present owner of the patent, and that he did not acquire the right to bring suits for prior infringements merely by the conveyance of the full title to the patent and its enjoyment. This case was followed by that of *Gordon v. Anthony*, on the circuit reported in 16 Blatchford, 234; 16 O. G., 1135; S. C. 10 Fed. Cases, 773, case No. 5.605. The decision was by Blatchford, circuit judge of the second circuit, who had been district judge and who subsequently became a justice of this Court and had great experience in the administration of the patent law.

The question before him was whether the vendee and assignee of a receiver appointed by a State court of New York in proceedings supplementary to execution on a judgment against a debtor whose assets included a patent right and who was directed by the court to convey the same to the receiver but did not do so, could sue for damages for infringement of the patent occurring before the receivership. After saying that under the law of 1836 and under the Revised Statutes in which the sections of that law were embodied, no one could bring a suit either at law or in equity for infringement of a patent in his own name alone unless he were patentee, assignee, or grantee, the judge continues:

A claim to recover profits or damages for past infringement can not be severed from the title by assignment or grant, so as to give a right of action for such claim, in disregard of the statute. The profits or damages for infringement can not be sued for except on the basis of title as patentee, or as such assignee or grantee, to the whole or a part of the patent, and not on the basis merely of the assignment of a right to a claim for profits and damages, severed from such title. Therefore, if, in the

present case, no such assignment or grant has been made to the defendants as the statute contemplates, they could not bring suit, in their own names, under the assignment made to them, to recover any claims, profits or damages for infringement, which belonged to Gordon (i. e., the patentee), nor can they use the assignment as a defense against any such claims existing against themselves in favor of Gordon. In this case there has been no assignment executed by Gordon.

See also *Ball v. Coker* (168 Fed., 304, 307). Counsel for plaintiff cites *Hayward v. Andrews* (12 Fed., 786) to maintain the contrary and to sustain the right of the assignee of claims for past infringements to maintain suit. The case cited is not in point, the assignee in that case held the legal title to the patent.

The sole exception to the rule that only he who is the owner of the patent at the time of the infringement can sue for damages to which Professor Robinson refers is when such owner assigns the patent and also the claim for past infringements to the same person. In such a case, as the title and ownership of the claims are united, it is held that the owner may sue. (*Dibble v. Augur*, 7 Blatchford, 86; 7 Fed. Cases, 642, case No. 3,879; *Hamilton v. Rollins*, 5 Dill., 495; 11 Fed. Cases, 364, case No. 5,988; *Henry v. Frankestown Soapstone Stove Co.*, 2 Ban. & A., 221; 11 Fed. Cases, 1,180, case No. 6,382; 9 O. G., 408; *Consolidated Oil Well Packer Co. v. Eaton, Cole & Burnham Company*, 12 Fed. Rep., 865, 870; *Spring v. Domestic Sewing Machine Co.*, 13 Fed., 446, 449; 22 O. G., 1445; *Nellis v. Pennock Mfg. Co.*, 38 Fed., 379.) Under this exception, therefore, if the instrument here relied on had been effective to make the plaintiff an assignee or grantee of the patent or "of any interest therein" within the meaning of section 4898, Revised Statutes, as amended, then the plaintiff could have maintained this action for damages for infringements prior to the execution of the instrument; but as we hold, the instrument did not have this effect.

[6, 7] But it is urged that under equity rule 37 every action must be prosecuted in the name of the real party in interest, and, therefore, as the plaintiff is the beneficial owner of the claims for past infringements, it should be permitted to sue in a court of equity. The equity rule was not intended to set aside a policy and rule having its source in the patent statutes and can not affect this case. The rule laid down by Circuit Judge Blatchford in *Gordon v. Anthony*, supra, applied to both actions in equity and law and grew out of the sections of statutes quoted by him and not since amended. Both at law and in equity, either the owner of the patent at the time of the past infringement, or the subsequent owner of the patent who is at the same time the assignee of the claims for past infringement, must be a party to a suit for damages for the past infringement. If the owner of the patent when the infringements took place has assigned his patent to one, and his claim for damages for infringement to another, then the latter can not sue at law at all but must compel his assignor of the claims to sue for him. In equity both such assignor and the assignee who is the real party in interest

must join as plaintiffs. Such assignor is a necessary party and a bill for accounting and damages is fatally defective otherwise. (*Robinson*, Vol. III, sec. 1099; *Dibble v. Augur*, 7 Blatchford, 86; 7 Fed. Cases, 642, case No. 3,879; *Gamewell Fire Alarm Telegraph Co. v. City of Brooklyn*, 14 Fed. Rep., 255; 22 O. G., 1978; *Ball v. Coker*, 168 Fed., 304.) As the owner of the patent is not a party to this bill, the result is that on no ground can the bill of the plaintiff be sustained and that the motion to dismiss should have been granted.

The decree of the circuit court of appeals is reversed and that of the district court is affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

762,850, J. H. Silley, Doors for furnaces, etc., suit filed Aug. 30, 1920, U. S. D. C., S. D. N. Y., Doc. E 18/383, *J. H. Silley v. J. Reid and J. Reid & Co., Inc.* Assent decree sustaining patent, adjudging infringement by J. Reid. Bill dismissed as to defendant J. Reid & Co., Inc.

793,249, L. M. Todd, Printing apparatus, suit filed Apr. 25, 1917, U. S. D. C., W. D. N. Y., Doc. B 205, *Todd Protectograph Co. v. Hall-Welter Co., Inc.* Case settled by decree.

811,859, A. L. Marsh, Electric resistance material, consent decree sustaining patent, adjudging infringement and granting perpetual injunction, U. S. D. C., S. D. N. Y., *Hoskins Mfg. Co. et al. v. Bencoe Exporting & Importing Co.* Same, order of dismissal filed May 1, 1923, on motion of plaintiffs, U. S. D. C., W. D. Wash., *Hoskins Mfg. Co. et al. v. Everglo Electric Mfg. Co.* Same, order of dismissal filed May 10, 1923, on motion of plaintiffs, U. S. D. C., W. D. Wash., *Hoskins Mfg. Co. et al. v. Bestov Mfg. Co.*

819,042, A. Cummings, Underreamer for mineral boring; 827,595, E. C. Wilson, Underreamer, suit filed Aug. 21, 1922, U. S. D. C., S. D. Calif., Doc. G 23, *A. Cummings v. Wilson & Willard Mfg. Co. et al.* Bill dismissed with costs against plaintiff, but plaintiff may recover costs of counterclaim.

827,595. (See 819,042.)

860,929, Merrell, Merrell & Gere, Process and apparatus for separating the moisture from the constituent solids of liquids, suit filed May 19, 1923, U. S. D. C., N. D. N. Y., Doc. 424, *Merrell-Soule Co. v. Franklin Dairy Co.*

876,933, J. L. Borsch, jr., Bifocal lens, suit filed May 17, 1923, U. S. D. C., E. D. Mich. (S. D.), Doc. 544, *Kryptok Co. v. Gitson & Levi (Gitson-Levi Optical Co.)*.

922,709, J. Means, Signaling system, suit filed May 8, 1923, U. S. D. C., S. D. Calif., Doc. G 95, *J. C. Savage (Skywriting Co. of America) v. Rogers Aircraft, Inc., et al.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed Jan. 20, 1923, U. S. D. C., S. D.

Calif., Doc. G 58, *The Davey Tree Expert Co. v. C. Vaughn*. Stipulated decree permanently enjoining defendant and issuing injunction. Same, suit filed Jan. 24, 1923, U. S. D. C., S. D. Calif., Doc. G 62, *The Davey Tree Expert Co. v. E. J. Stevens*. Same, suit filed Mar. 13, 1923, U. S. D. C., S. D. Calif., Doc. G 80, *The Davey Tree Expert Co. v. M. J. Lind*. Stipulated decree of injunction perpetually enjoining defendant.

968,576, C. R. Libby, Pneumatic-dispatch-tube apparatus, suit filed May 17, 1923, U. S. D. C., D. Mass., Doc. 1831, *The Lamson Co. v. E. T. Slatery Co.*

1,110,312, C. L. Cruver, Devices for killing insects; 1,331,306, M. Z. Wohlhuter, Fly killer, suit filed May 5, 1923, U. S. D. C., W. D. Wis., Doc. F 37, *Cruver Mfg. Co. v. Wilson-Hurd Co.*

1,157,477, T. F. Whelan, Shoe heating and vulcanizing apparatus; 1,157,478, same, Method of drying shoes, suit filed Mar. 24, 1916, U. S. D. C., D. Mass., Doc. E 720, *Savoday Rack Co. v. Cass & Daley Shoe Co.* Interlocutory consent decree for plaintiff for injunction and accounting May 23, 1916. Final decree assented to for injunction and recovery by defendant Mar. 12, 1923.

1,157,478. (See 1,157,477.)

1,158,186, J. W. Dearborn, Package-wrapping machines; 1,270,416, H. L. Johnson, Wrapping machines, suit filed Mar. 10, 1923, U. S. D. C., D. Mass., Doc. E 1804, *Johnson Automatic Sealer Co., Ltd. v. P. E. Ginn et al.*

1,180,432, Roberti, jr. & Roberti, Nonstretching, ventilated mattress, suit filed Mar. 7, 1923, U. S. D. C., S. D. Calif., Doc. G 79, *A. Roberti, jr., et al. v. J. H. Jonas (J. H. Jonas & Sons) et al.*

1,270,184, W. E. Magarrell, Combined table and ironing board, suit filed Feb. 23, 1923, U. S. D. C., S. D. Calif., Doc. G 75, *C. R. Cox v. Pratt & Warner*.

1,270,416. (See 1,158,186.)

1,298,174, W. A. Caldwell, Ventilated grain cribs or silo; Re. 15,217, same, Ventilated-grain-crib stave, suit filed May 14, 1923, U. S. D. C., S. D. Ill. (N. D.), Doc. 213, *Portable Elevator Mfg. Co. et al. v. Mrs. M. Wiser*.

1,331,306. (See 1,110,312.)

1,341,076, C. H. Sampson, Check-printing machines, case settled by decree, U. S. D. C., W. D. N. Y., *Todd Protectograph Co. v. Hall-Welter Co., Inc.*

1,355,074, D. P. Cleveland, Process of removing surface finish, suit filed Feb. 14, 1923, U. S. D. C.,

S. D. Calif., Doc. G 72, *Bergfeld & Cleveland (trustees for Universal Paint Remover & Motor Cleaning Co.) et al. v. B. A. Anderson et al.*

1,357,314, E. S. Cobb, Process of preventing frost or heat injury in orchards, etc., suit filed Apr. 4, 1923, U. S. D. C., S. D. Calif. (N. D.), Doc. B 89, *Cobb Temperature Regulator Co. et al. v. R. Baird et al.*

1,386,418, C. D. Miller, Auxiliary windshields, suit filed May 9, 1923, U. S. D. C., S. D. Calif., Doc. G. 96, *G. C. De Garmo et al. (Sunset Specialty Co.) et al. v. Whomes Mfg. Co.*

1,411,487, J. V. Giesler, Automobile radiator units, suit filed May 14, 1923, U. S. D. C., D. Dela., Doc. E 520, *The Fulton Co. v. Buckley-Kane Motor Co. et al.*

1,423,956, Mitchell & White, Tipless incandescent lamps and similar articles; 1,423,957, same, Stem-making machine, suit filed Apr. 19, 1923, U. S. D. C., E. D. N. Y., Doc. 1251, *General Electric Co. v. Save Electric Co.*

1,423,957. (See 1,423,956.)

1,426,010, F. W. Rees, Mirror attachments for vehicles, order of dismissal filed Jan. 19, 1923, on stipulation of counsel, U. S. D. C., D. Wash., *Sees All Mfg. Co. v. Rees & Welbon (Modern Mfg. Co.)*.

1,440,220, H. Hopkes, Knife sharpener, suit filed Apr. 16, 1923, U. S. D. C., S. D. Calif., Doc. G 87, *M. G. Goff v. G. Voglin*.

1,446,622, Hollins & Arrousez, Cut-out box, suit filed Apr. 4, 1923, U. S. D. C., S. D. Calif., Doc. G 83, *Rosenburg & Co. v. Hollins & Arrousez Electric Engineering Co. et al.*

1,454,322, S. Loeb, Convertible watch, suit filed May 15, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/344, *S. Loeb v. A. Grafstein et al. (Jem Jewelry Mfg. Co.)*.

Des. 48,213, J. K. Woznica, Wedding rings, suit filed Apr. 6, 1923, U. S. D. C., S. D. Calif., Doc. G 84, *Traub Mfg. Co. v. G. D. Davidson Co.*

Des. 56,030, F. W. Rees, Rear-sight mirror for motor vehicles, suit filed July 19, 1922, U. S. D. C., W. D. Wash. (N. D.), Doc. 299, *Sees All Mfg. Co. v. Rees & Welbon (Modern Mfg. Co.)*. Order of dismissal filed Jan. 19, 1923, on stipulation of counsel.

Des. 62,175, L. W. Rice, Bowl or the like, suit filed May 16, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/347, *Rices' Sons, Inc., v. E. & J. Bass, Inc.*

Re. 15,217. (See 1,298,174.)

TRADE-MARKS

OFFICIAL GAZETTE, JULY 17, 1923.

[Vol. 312. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 131,735. (CLASS 12. CONSTRUCTION MATERIALS.) THE JENNISON-WRIGHT Co., Toledo, Ohio. Filed Apr. 28, 1920.

SuperBlox

Particular description of goods.—Pavements and Floors and Materials Therefor, Including Elements of Brick, Block, or Tile Forms.

Claims use since February, 1920.

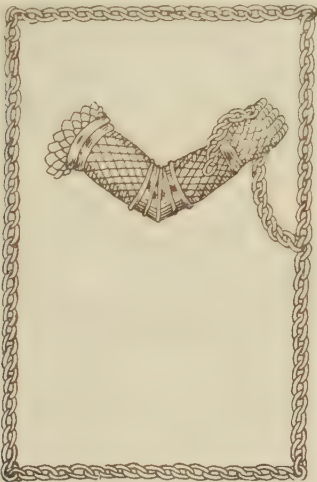
Ser. No. 131,736. (CLASS 12. CONSTRUCTION MATERIALS.) THE JENNISON-WRIGHT Co., Toledo, Ohio. Filed Apr. 28, 1920.

JENOLITE

Particular description of goods.—Floors and Pavements of Wood Plank, Timbers, or Block, Cement, Asphalt, Bituminous Composition Floors and Pavements, Composition Surfacing Material, Coatings for Floors and Pavements, Mastics for Floors and Pavements, Aseptic and Hydrocarbon Preservative Impregnations for Floors and Pavements, and the Mastic, Waterproofing Wood, and Mineral Materials for the Foregoing.

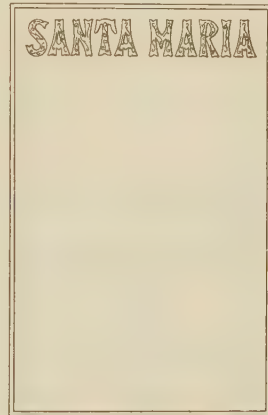
Claims use since October, 1919.

Ser. No. 135,121. (CLASS 39. CLOTHING.) WILSON BROTHERS, Chicago, Ill. Filed July 17, 1920.



Particular description of goods.—Hosiery.
Claims use since about the year 1908.

Ser. No. 135,737. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE A. STAFFORD, doing business as G. A. Stafford & Co., New York, N. Y. Filed Aug. 2, 1920.



Particular description of goods.—Woven Cotton Fabrics in the Piece.

Claims use since Dec. 1, 1913.

Ser. No. 143,464. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ST. FIRO REMEDY Co., Newark, N. J. Filed Feb. 11, 1921.



Particular description of goods.—Healing Creams for Eczema.

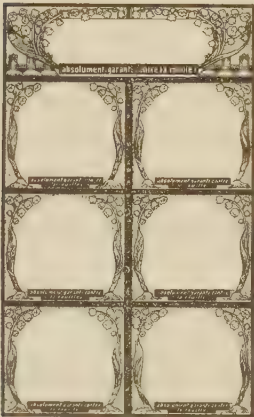
Claims use since Sept. 16, 1920.

Ser. No. 143,773. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MEDOC DISTRIBUTING COMPANY, New York, N. Y. Filed Feb. 18, 1921.

MEDOC

Particular description of goods.—Pharmaceutical Preparations Consisting of Tonics Having Therapeutic Medicinal Values for the Relief of Dyspepsia and Indigestion.
Claims use since on or about Sept. 21, 1920.

Ser. No. 148,615. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE WILLIAM PRYM COMPANY, LIMITED, Stolberg, Germany. Filed June 3, 1921.



The words "Absolument Garanti Contre la Rouille" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Bone Stiletos, Hooks and Eyes, Corset Eyes, Double Eyes, Shoe Eyes, Snap Fasteners, Shoe Buckles Not Made of Precious Metals, Waistband Clasps, Waist and Corset Clasps; Snap Fasteners on Tape and Hooks and Eyes on Tape for Fastening Waists, Skirts, Plackets, Dresses, and Other Articles of Clothing; Waist-Belt Clasps, Dress Holders Such as Large Snap Fasteners Used for Supporting Articles of Clothing, Shoe Buttoners, Glove Buttoners, Thimbles and Buttons Not Made of Precious Metals, Collar Supporters, Needles, Pins without Ornamentation and Not Made of Precious Metals, and Ornamented Hairpins Not Made of Precious Metals.

Claims use since Jan. 27, 1913.

Ser. No. 152,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Aug. 27, 1921.



No claim is made to the representation of a tablet except in connection with the trade-mark as shown.

Particular description of goods.—Aspirin.

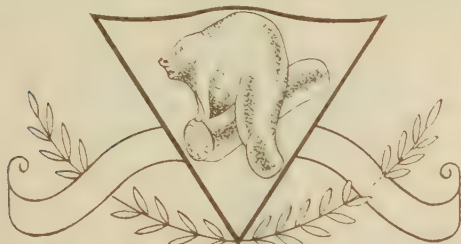
Claims use since about Feb. 1, 1921.

Ser. No. 152,796. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOERZ FLOUR MILLS Co., Newton, Kans. Filed Sept. 10, 1921.



Particular description of goods.—Wheat Flour.
Claims use since June 29, 1921.

Ser. No. 155,576. (CLASS 39. CLOTHING.) HARRY
USWALD, Brooklyn, N. Y. Filed Nov. 18, 1921.



BELGIAN BEAVER

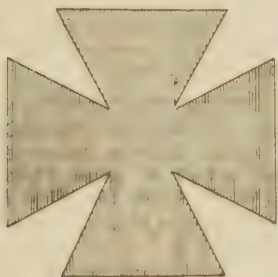
No claim is made to the words "Belgian Beaver" apart from the mark shown on the drawing.

Particular description of goods.—Fur Coats, Wraps, Capes, and Neck Pieces—Namely, Stoles and Scarfs.

Claims use since about July 1, 1921.

Ser. No. 158,451. (CLASS 39. CLOTHING.) ROUSE,
HEMPSTONE & CO., INC., Baltimore, Md. Filed Jan. 25,
1922.

RED



CROSS.

Particular description of goods.—Men's and Boys' Work Shirts, Flannel Shirts, and Pants.

Claims use since Jan. 1, 1911.

Ser. No. 158,895. (CLASS 39. CLOTHING.) CHARLES
D. RANGLES, doing business as Rangles Mfg. Company,
Ogdensburg, N. Y. Filed Feb. 4, 1922.

"Hattie Snow"

Particular description of goods.—Uniforms—Namely, Dresses, Aprons, Operating-Room Gowns, Caps, Bibs, Collars, Cuffs, Hoods; Shoes Made of Leather, Rubber, Fabric, Leather and Rubber, Leather and Fabric, Rubber and Fabric, and Combinations Thereof.

Claims use since Jan. 1, 1922.

Ser. No. 158,967. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN ARCH COMPANY, New York, N. Y.
Filed Feb. 7, 1922.

ARCH LOCK

Particular description of goods.—Fire and Other Brick of Substantially Uniform Dimensions and for Use Other Than Arch-Building Purposes.

Claims use since Oct. 14, 1921.

Ser. No. 159,189. (CLASS 9. EXPLOSIVES, FIRE-ARMS, EQUIPMENTS, AND PROJECTILES.) J.
STEVENS ARMS COMPANY, New York, N. Y. Filed Feb.
10, 1922.

Dread Naught

Particular description of goods.—Shotguns.

Claims use since about Jan. 1, 1913.

Ser. No. 159,212. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
THE ELI LILLY & COMPANY, Indianapolis, Ind. Filed
Feb. 11, 1922.

SINAPSOLIN

Trade-mark "Sinapsolin."

Particular description of goods.—Medical Preparation Used as a Counterirritant to Relieve Pain, Stiffness in Muscles, Etc.

Claims use since Oct. 4, 1917.

Ser. No. 159,862. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
BERNARD B. FORQUER, doing business as Movie Stars Laboratories, Joliet, Ill. Filed Feb. 27, 1922.

MOVIE QUEENS

Particular description of goods.—Facial Cream, Facial Rouge, Toilet Water, Shampoo Preparation, Hair Tonic, Tooth Paste, and Tooth Powder.

Claims use since Dec. 20, 1921.

Ser. No. 160,016. (CLASS 39. CLOTHING.) EDWARD
LEPER, doing business as Left Company, New York, N. Y.
Filed Mar. 1, 1922.



Particular description of goods.—Men's, Women's, and Children's Hosiery, Gloves Made of Fabric, and Underwear in Knitted and Woven Textile Fabric.

Claims use since Feb. 15, 1922.

Ser. No. 160,100. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. HARRIS THURSTON &
CO. INC., New York, N. Y. Filed Mar. 2, 1922.

Super

Particular description of goods.—Shirtings.

Claims use since July, 1920.

Ser. No. 160,745. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BROWN & BIGELOW, St. Paul, Minn. Filed Mar. 16, 1922.

Remembrance Advertising

No claim is made to the word "Advertising" apart from the mark as shown.

Particular description of goods.—Signs Made of Metal and Celluloid.

Claims use since Mar. 1, 1920.

Ser. No. 161,549. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREDERICK W. HILLIG, doing business as F. W. Hillig Co., New York, N. Y. Filed Mar. 31, 1922.



The use of the term "Fabrics" is disclaimed apart from the mark as shown.

Particular description of goods.—Tablecloths, Napkins, Scarfs, Doilies, Centerpieces, and Tray Covers of Linen, Cotton, and Mixtures, with and without Embroideries.

Claims use since January, 1919.

Ser. No. 161,550. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREDERICK W. HILLIG, doing business as F. W. Hillig Co., New York, N. Y. Filed Mar. 31, 1922.



The use of the term "Fabrics" is disclaimed apart from the mark as shown.

Particular description of goods.—Goods in the Piece Making Up Household Furnishings—Namely, Bed Coverings, Sheetings, Pillow Cases, and Bed Spreads and Tickings in the Piece.

Claims use since January, 1919.

Ser. No. 162,073. (CLASS 37. PAPER AND STATIONERY.) SALZ BROTHERS INC., New York, N. Y. Filed Apr. 10, 1922.



No claim is made to the fountain pen apart from the mark as shown. The trade-mark consists in applying on each end of a fountain pen having a black body, which is either plain, corrugated, or "watered," a white disk of substantially three-sixteenths of an inch in thickness.

Particular description of goods.—Fountain Pens.

Claims use since Aug. 15, 1921.

Ser. No. 162,442. (CLASS 12. CONSTRUCTION MATERIALS.) OERTEL ROOFING MANUFACTURING COMPANY, now by change of name Stormcote Roofing Corporation, East St. Louis, Ill. Filed Apr. 17, 1922.

STORMCOTE

Particular description of goods.—Roofing Materials—Namely, Shingles, Roofing, Fiber Coating, Fiber Cement, House Lining, Asphalt Felt, Asphalt Compound, Rosin Paper, Plaster Board, and Tarred Felt.

Claims use since about June 8, 1921.

Ser. No. 164,194. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) REEVES COAL AND DOCK CO., Minneapolis, Minn. Filed May 20, 1922.

Hot Stuff!

Particular description of goods.—Coal.

Claims use since Oct. 1, 1917.

Ser. No. 164,196. (CLASS 5. ADHESIVES. RÖHM & HAAS AKTIENGESellschaft, Darmstadt, Germany. Filed May 20, 1922.

„Veron“

Particular description of goods.—Glue and Gelatins Used in the Manufacture of Glue.

Claims use since Feb. 14, 1916.

Ser. No. 164,431. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JACOB N. GOLD, doing business as Gol-Mar, Philadelphia, Pa. Filed May 24, 1922.



No claim is made to the words "Auto Supplies" apart from the mark as shown.

Particular description of goods.—Automobile Accessories—Namely, Bumpers, Shock Absorbers, Radiators, Radiator Caps, Radiator Covers, Windshields, License-Tag Holders, Demountable Wheels, Rims, Wheel Parts, Steering Wheels, Automobile Slip Covers, Automobile Tires.

Claims use since June 1, 1919.

Ser. No. 164,576. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE K. BROWN CO., INC., Chattanooga, Tenn. Filed May 27, 1922.

FROSTY BAR

Applicant hereby disclaims the word "Bar" apart from the other features of the mark shown on the drawing.

Particular description of goods.—Ice Cream.

Claims use since Jan. 26, 1922.

Ser. No. 165,646. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) VACUUM WATER COMPANY, INC., New York, N. Y. Filed June 17, 1922.

Vaco Kola

No claim made for the word "Kola" apart from the mark shown in the drawing.

Particular description of goods.—Soda Water and Non alcoholic Maltless Beverages Sold as Soft Drinks.

Claims use since May 19, 1922.

Ser. No. 165,858. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES DRABEK, doing business as Painters Supply Co., Cleveland, Ohio. Filed June 22, 1922.

GLOSPAR

Particular description of goods.—Ready-Mixed Paints, Varnishes, and Paint Enamels.

Claims use since January, 1918.

Ser. No. 166,950. (CLASS 2. RECEPTACLES.) LEBWOHL & MINDICH, New York, N. Y. Filed July 15, 1922.



No claim is made to the words "Box" and "Trade Mark" apart from the mark shown on the drawing.

Particular description of goods.—Tobacco, Cigar, and Cigarette Boxes Made of Paper or Cardboard.

Claims use since July 1, 1922.

Ser. No. 167,718. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EXCELSIOR MOTOR MFG. AND SUPPLY CO., Chicago, Ill. Filed Aug. 2, 1922.



Particular description of goods.—Motor Cycles and Bicycles.

Claims use since on or about Feb. 7, 1918.

Ser. No. 167,720. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM R. GRIFFIN, West Norwood, N. J. Filed Aug. 2, 1922.

MOTHOLEO

Trade mark "Motholeo."

Particular description of goods.—Moth-Preventive Compound.

Claims use since May 5, 1922.

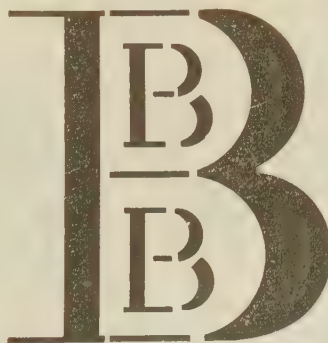
Ser. No. 167,722. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) IRVING ENGINEERING-SALES CO., Chicago, Ill. Filed Aug. 2, 1922.



Particular description of goods.—Automatically Operated Radiator Shutters for Internal-Combustion Engines.

Claims use since May 15, 1922.

Ser. No. 167,795. (CLASS 12. CONSTRUCTION MATERIALS.) BETHLEHEM FABRICATORS, INC., Bethlehem, Pa. Filed Aug. 4, 1922.



Particular description of goods.—Structural Members Including Beams, Girders, Channels, Angles, Bars, Plates, Rounds, Deformed Bars, Z's, T's, Rails, Clips, Ties, Either Singly Fabricated or Grouped into an Assembled Member.

Claims use since Jan. 18, 1921.

Ser. No. 167,842. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEUTSCHE GOLD UND SILBER SCHEIDANSTALT, VORMALS ROESSLER, Frankfort on the Main, Germany. Filed Aug. 5, 1922.

SEGETAN

Particular description of goods.—Chemical Preparations Used Against Plant Pests and Seed Afflictions.

Claims use since Mar. 3, 1921.

Ser. No. 168,426. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARGARET C. MURPHY, doing business as Margueritte Laboratories, Evanston, Ill. Filed Aug. 18, 1922.



Particular description of goods.—Cold Cream, Day Cream, Face Powder, Rouges, Talcum Powder, Nail Polish, Mouth Wash; Hair Remover, a Preparation for Removing Human Hair; Hand Lotion, Eyebrow Pencil, Lip Stick, Shampoo, Hair Tonic, Perfume, Toilet Water, Tooth Powder; Foot Ease, a Preparation for Relieving and Easing Swollen, Tired, or Inflamed Human Feet; and Cuticle Salve.

Claims use since about Aug. 31, 1920.

Ser. No. 168,478. (CLASS 39. CLOTHING.) THE MALINE MILLS, Winston-Salem, N. C. Filed Aug. 19, 1922.

KUMFORTNIT

Particular description of goods.—Knit Underwear, Knit Undershirts, Princess Slips for Women.

Claims use since July 31, 1922.

Ser. No. 168,508. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARRETT COMPANY, New York, N. Y. Filed Aug. 21, 1922.



Particular description of goods.—Ready Felt Roofing.

Claims use since about June 1, 1905.

Ser. No. 169,840. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AEROIL BURNER COMPANY, INC., Union Hill, N. J. Filed Sept. 23, 1922.

Aeroil

Particular description of goods.—Oil-Burning Appliances—Namely, Individual Portable Oil Burners, Individual Stationary Oil Burners, Blow Torches, Fire Pots, Melting Furnaces, Thawing Outfits, Thawing Torches, Kerosene-Gas Burners, Oil-Burning Tar Kettles, Oil-Burning Asphalt Kettles, Camp Stoves, Concrete Heaters, and Furnace Burners.

Claims use since Nov. 12, 1918.

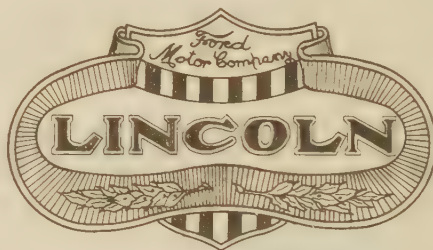
Ser. No. 169,904. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ERNEST W. HORNUNG, doing business as The Hubbell Manufacturing Co., Cleveland, Ohio. Filed Sept. 25, 1922.

"ClearLites"

Particular description of goods.—Glass Curtain Lights and Frames for Automobiles.

Claims use since June, 1922.

Ser. No. 170,014. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) FORD MOTOR COMPANY, Highland Park, Mich. Filed Sept. 28, 1922.



Particular description of goods.—Motor Cars.

Claims use since Aug. 31, 1922.

Ser. No. 170,228. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ERNEST M. VIKESNEY, Spencer, Ind. Filed Oct. 2, 1922.

IMP-O-LUCK

Particular description of goods.—Images, Bric-a-Brac, Statuary, Ornamental Heads, Badges, Emblems, Campaign Buttons.

Claims use since May, 1922.

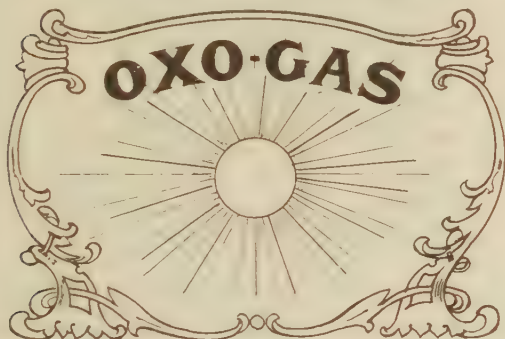
Ser. No. 170,416. (CLASS 12. CONSTRUCTION MATERIALS.) THE VITREFRAX COMPANY, INC., Los Angeles, Calif. Filed Oct. 6, 1922.

DUROX

Particular description of goods.—Refractory Linings for Forges, Smelters, Heating Furnaces, Malleable-Iron Furnaces, Open-Hearth Furnaces, Electric Furnaces, Brick and Ceramic Kilns, Lime and Cement Kilns, Welding Forges, Glass Tanks, Boiler Settings, and the Like; Refractory Bricks in Various Shapes and Forms, Refractory Cements, Refractory Furnace Bottom Drains, Mixed Sagger Batches, Refractory Plastic Batches, and Refractory Mastic Fire Walls.

Claims use since about July 12, 1922.

Ser. No. 171,123. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GLORIA LIGHT Co., Chicago, Ill. Filed Oct. 24, 1922.



Particular description of goods.—Kerosene-Gas-Making Appliances Consisting of Tanks Containing a Generator Equipped with Pressure Gauge, Filter Plug, and Valves Attached to Air-Pressure Pumps, and Hollow Feed Wires Leading to Heaters or Stoves, and Stoves, Ranges, and Heaters Used Therewith.

Claims use since August, 1913.

Ser. No. 171,172. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUYLER'S, New York, N. Y. Filed Oct. 25, 1922.

The Tidbit Package

No claim is made to the word "Package" apart from the mark shown on the drawing.

Particular description of goods.—Candy.

Claims use since Feb. 21, 1922.

Ser. No. 171,310. (CLASS 39. CLOTHING.) FLORABELLE DRESSMAKERS, INC., New York, N. Y. Filed Oct. 28, 1922.

Blouzlez

Particular description of goods.—Outer Skirts.
Claims use since Sept. 1, 1922.

312 O. G.—28

Ser. No. 171,491. (CLASS 39. CLOTHING.) THE FESSENDEN SHIRT Co., INC., Kingston, N. Y. Filed Nov. 2, 1922.



Particular description of goods.—Men's Dress and Negligee Shirts.

Claims use since June 1, 1922.

Ser. No. 171,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBT. J. GRAHAM, Cashmere, Wash. Filed Nov. 3, 1922.



Particular description of goods.—Fresh Boxed Apples.
Claims use since 1918.

Ser. No. 171,540. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHNS-MANVILLE, INC., New York, N. Y. Filed Nov. 3, 1922.



The shade lines appearing upon the drawing are not indicative of color as the color is immaterial. No claim is made to the phrase "Covers the Continent" nor to the words "Ring Packing" except in the association shown, no common-law rights thereto being waived.

Particular description of goods.—Packing Rings Made of Rubber and Asbestos or Textile Fabric.

Claims use since July 27, 1922.

Ser. No. 171,555. (CLASS 5. ADHESIVES.) IRA I. SLOMON, New York, N. Y. Filed Nov. 3, 1922.



No claim is made to the word "Glue" apart from the mark shown on the drawing.

Particular description of goods.—Glue Products—Namely, Stainless Fabric Glue, All Forms of Rubber Cement, as Shoe Cement, Channel Cement, Fitting-Room Cement, Rubber Cement, and Raincoat Cement.

Claims use since on or about Jan. 1, 1916.

Ser. No. 171,566. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AKTIENGESELLSCHAFT FÜR CHEMISCHE PRODUKTE, VORMALS H. SCHEIDEMANDEL, Berlin, Germany. Filed Nov. 4, 1922.



The lining shown in the drawing is used to represent shading only.

Particular description of goods.—Pharmaceutical Preparations for Promoting the Growth of Human Hair.

Claims use since December, 1919.

Ser. No. 171,846. (CLASS 39. CLOTHING.) THE J. L. HUDSON Co., Detroit, Mich. Filed Nov. 11, 1922.

KENMOOR

Particular description of goods.—Men's and Young Men's Outer Clothing—Namely, Suits.

Claims use since Sept. 20, 1922.

Ser. No. 171,849. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON, YOUNG & HAMILTON, Parma, Idaho. Filed Nov. 11, 1922.



Particular description of goods.—Potatoes and Head Lettuce.

Claims use since April, 1920.

Ser. No. 172,013. (CLASS 39. CLOTHING.) R. & R. UNDERWEAR, New York, N. Y. Filed Nov. 14, 1922.



No claim is made to the exclusive right to use the word "Brand" apart from the mark as shown.

Particular description of goods.—Underwear—Namely, Brassières.

Claims use since July 1, 1922.

Ser. No. 172,183. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Stove Dampers, Damper Clips, Soldering Furnaces, Sheet-Metal Pipes, Sheet-Metal Elbows, Chimney Caps, Pipe Collars, Flue Stoppers, Skylights, and Building Ventilators.

Claims use since Oct. 1, 1921.

Ser. No. 172,185. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Roofing Paint and Paint Enamel for Furniture.

Claims use since Oct. 1, 1921.

Ser. No. 172,242. (CLASS 15. OILS AND GREASES.)
STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed Nov. 18, 1922.

STANDARD OIL CO. OF NEW YORK
鷹牌鷹美孚行
鷹牌油
EAGLE BRAND



The word "Brand" and the Chinese Words "Pai" and "Yau" are hereby disclaimed apart from the mark shown in the drawing. The Chinese characters appearing on the drawing, with their meaning, are as follows: At the left reading down Ying—eagle; Pai—brand, Yau—oil; in the center reading right to left Ying—eagle, Pai—brand; at the right reading down Mei—admirable, lovely, Foo—to repose confidence in; Hong—business firm or company.

Particular Description of goods.—Refined Petroleum Oil for Illuminating, Heating, and Power Purposes.

Claims use since Oct. 5, 1914.

Ser. No. 172,246. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.)
WARREN & BAILEY Co., Los Angeles, Calif. Filed Nov. 18, 1922.



Particular description of goods.—Leather, Woven, and Rubber Belting, Hose, Sheet Packing, and Rod and Piston Packing.

Claims use since 1914.

Ser. No. 172,269. (CLASS 39. CLOTHING.) A. H. FLANDERS COMPANY, Chicago, Ill. Filed Nov. 20, 1922.

Robin Hood
Frocks

The word "Frocks" is disclaimed apart from the mark shown.

Particular description of goods.—Women's Wearing Apparel—Namely, Frocks, Gowns, Blouses, Outer Skirts, Coats, Wraps, and Capes.

Claims use since about Nov. 1, 1922.

Ser. No. 172,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL CANDY COMPANY, doing business as Peckham Candy Factory, St. Louis, Mo., assignor to National Confectioners Association of the United States, Chicago, Ill. Filed Nov. 25, 1922.



Particular description of goods.—Candy.

Claims use since Nov. 17, 1922.

Ser. No. 172,578. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAMES W. BRINE COMPANY, Boston, Mass. Filed Nov. 27, 1922.

BRINE

Particular description of goods.—Hip and Kidney Pads, Elastic Bandages, Athletic Supporters, Combination Supporters, Jock Straps, Wrestling Supporters, Head Elastic Bandage, Shoulder-Cap Bandage, Elbow Bandage, Ankle Bandage, Wrist Bandage, Elastic Roll Bandage, Ankle Support, Wrist Supporter, Knee-Cap Bandage.

Claims use since Jan. 1, 1895.

Ser. No. 172,683. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MAHR MANUFACTURING COMPANY, Minneapolis, Minn. Filed Nov. 29, 1922.



No claim is made to the exclusive use of the words "Minneapolis, U. S. A." apart from the features of the mark.

Particular description of goods.—Oil-Burning Equipment, Furnaces, Torches, Pot Furnaces, Forges, and Burners; Also Under Term Equipment: Blowers, Blast Gates, and Oil Heaters.

Claims use since Dec. 31, 1921.

Ser. No. 173,148. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) J. SONNENSCHN HOP COMPANY, INC., New York, N. Y. Filed Dec. 9, 1922.

SUN BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Hops.

Claims use since about Dec. 1, 1921.

Ser. No. 173,340. (CLASS 2. RECEPTACLES.) SUPERIOR DISTRIBUTING Co., New York, N. Y. Filed Dec. 14, 1922.



The words "Safety Box" appearing on the drawing are hereby disclaimed.

Particular description of goods.—Boxes—Namely, Metal Cash Boxes.

Claims use since Sept. 1, 1922.

Ser. No. 173,385. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. GAZZONI & C. 11 Gerente, Bologna, Italy. Filed Dec. 16, 1922.

STABILIMENTO CHIMICO FARMACEUTICO
BOLOGNA. - A. GAZZONI & C. (ITALIA)

RADIOVITALE

RICOSTITUENTE RADIOATTIVO

PREZZO LIRE 20 (TASSA ESCLUSA)

POSOLOGIA - Ogni compressa contiene:

Calcio glicerofosfatocg. 6	Sodio glicerofosfatocg. 3
Ferromg. 1	Sostanza radioattivamg. 1
Magnesiocg. 15	Eccipienti inerticg. 15

Dose giornaliera: per bimbi fino ad anni 10: 2 compresse; per ragazzi da 11 a 15 anni: 3 compresse; per adulti: 4 compresse da prendersi ripartite coi pasti.

All the wording appearing on the drawing with the exception of the word "Radiovitale" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Radioactive Reconstituent Containing Glycerophosphates of Calcium, Iron, Magnesium, and Sodium and Mesothorium Bromide.

Claims use since November, 1921.

Ser. No. 173,823. (CLASS 39. CLOTHING.) FROLASET CORSET Co., Detroit, Mich. Filed Dec. 26, 1922.

NUVO

Particular description of goods.—Brassières, Bandeaux, Girdles, Corsets, Corset Waists, Belts for Personal Wear, Diaphragm Confiners, Hose Supporters, Textile-Fabric Underwear for Women and Children, and Combination Suits.

Claims use since Oct. 1, 1922.

Ser. No. 174,057. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ATLAS SPECIALTY MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 2, 1923.



Particular description of goods.—Fabric Covers for Automobile Accessories—Namely, Fabric Accessories for Automobiles Comprising Rain Shields, Curtains, Tops, Draft Shields, Dust Covers, Windshield Extensions, Fabric Seat Covers, Fabric Seat Pads, Fabric Mats, Fabric Floor Carpets, Fabric Sleeve Protectors, and Fabric Life Preservers.

Claims use since 1911.

Ser. No. 174,065. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CANVAS PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 2, 1923.

Nox-Gill

Particular description of goods.—Tents, Tent Flies, Tarpaulins, Binder Covers, Wagon Covers, and Awnings.

Claims use since 1900.

Ser. No. 174,068. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CANVAS PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 2, 1923.

Rival

Particular description of goods.—Tents, Tent Flies, Tarpaulins, Binder Covers, Wagon Covers, and Awnings.

Claims use since 1900.

Ser. No. 174,236. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL FIBRE COMPANY, Newark, Del. Filed Jan. 6, 1923.



The trade-mark consists of a red band of color arbitrarily placed in the center layer of the goods.

Particular description of goods.—Composite Material.

Claims use since Dec. 13, 1922.

Ser. No. 174,261. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WILLIAM F. RIDGE, doing business as Ridged Grip Company, Akron, Ohio. Filed Jan. 6, 1923.

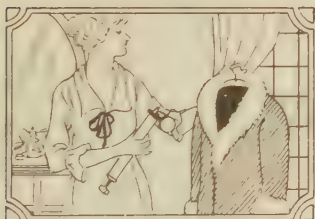
RID'GED

Particular description of goods.—Grips for Steering Wheels of Automobiles and Other Vehicles.

Claims use since Sept. 1, 1922.

Ser. No. 174,301. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Jan. 8, 1923.

**\$1000.00
GUARANTEED
MOTH
KILLER**
REG. U.S. PAT. OFF.



The words "\$1000.00" and "Guaranteed" and "Moth" and "Killer" and the phrase "U. S. Pat. Off." are hereby disclaimed apart from the mark as shown, disclaimant expressly reserving to itself such common-law rights as it may have acquired to such words when used in the manner as shown in the drawing.

Particular description of goods.—Insecticide for Killing Moths and Carpet Beetles.

Claims use since Nov. 23, 1922.

Ser. No. 174,304. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Jan. 8, 1923.

CARAMEL-INE

Particular description of goods.—Combined Coloring and Flavoring for Use in Food Products and Confectionery and Ice Cream.

Claims use since 1910.

Ser. No. 174,309. (CLASS 39. CLOTHING.) L. KLEIN, Inc., Chicago, Ill. Filed Jan. 8, 1923.



Particular description of goods.—Men's and Boys' Suits, Overcoats, and Hats.

Claims use since May 1, 1915.

Ser. No. 174,425. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK BORNN, doing business as Bornn Distilling Company, New York, N. Y. Filed Jan. 11, 1923.

ALCO-PRIMO

Particular description of goods.—Preparation for Bathing and Massaging.

Claims use since October, 1922.

Ser. No. 174,485. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PETERKIN COMPANY, Baltimore, Md. Filed Jan. 11, 1923.



The exclusive right to the words "Candies" and "Baltimore" are disclaimed.

Particular description of goods.—Candies.

Claims use since Dec. 1, 1922.

Ser. No. 174,524. (CLASS 39. CLOTHING.) R. H. MACY & Co., INC., New York, N. Y. Filed Jan. 12, 1923.

ANY HOUR

Particular description of goods.—Aprons.
Claims use since Jan. 5, 1923.

Ser. No. 174,765. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JERVIS D. BROWN, Los Angeles, Calif. Filed Jan. 19, 1923.

TRANQUILLITY

Particular description of goods.—Ointment for the Skin for Treatment of Nervous Itching and Also as a General Healing Ointment.
Claims use since Jan. 6, 1923.

Ser. No. 174,978. (CLASS 39. CLOTHING.) ROBT. J. SADLER SHOE Co. INCORPORATED, New York, N. Y. Filed Jan. 23, 1923.



The lines are for shading only.
Particular description of goods.—Shoes of Leather, Rubber, Fabric, or Combinations for Men, Women, and Children.
Claims use since October, 1921.

Ser. No. 174,997. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ROBERT BEARDSLEY, doing business as Beardsley Studios, Chicago, Ill. Filed Jan. 24, 1923.

AMBRIIL

Particular description of goods.—Lamp Shades of Fibrous Material.
Claims use since May 15, 1922.

Ser. No. 175,230. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AFRICAN & EASTERN TRADING Co., INC., New York, N. Y. Filed Jan. 29, 1923.

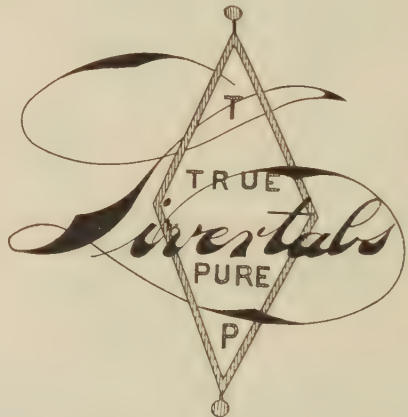


AFRICAN & EASTERN COTTONS
K O U L E L I

No claim made to the exclusive use of the words "African and Eastern Cottons" apart from the mark as shown in the drawing.

Particular description of goods.—Cotton Piece Goods
Claims use since Aug. 1, 1922.

Ser. No. 175,276. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TANNER & POINDEXTER, Atlanta, Ga. Filed Jan. 29, 1923.

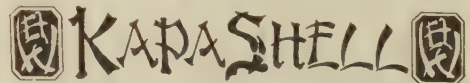


No claim made to the exclusive use of the words "True" and "Pure." The drawing is lined to indicate shading only.

Particular description of goods.—Medicinal Tablets Used as a Liver Treatment, a System Purifier, a Cholagogue, and a Laxative Tablet.

Claims use since Jan. 1, 1923.

Ser. No. 175,331. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EDWARD H. WARDWELL, New York, N. Y. Filed Jan. 30, 1923.



No claim is made to the word "Shell" apart from the mark as shown.

Particular description of goods.—Shell Found in the Philippine Archipelago.

Claims use since July 1, 1922.

Ser. No. 175,354. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE HUNTER DRY KILN COMPANY, Indianapolis, Ind. Filed Jan. 31, 1923.

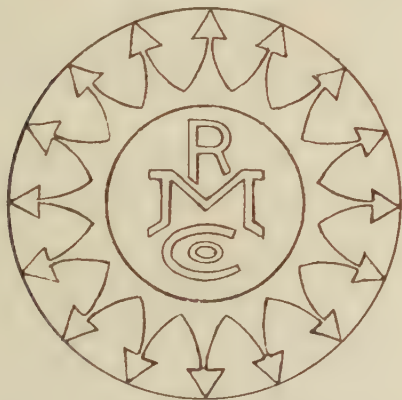


DRYING FROM THE INSIDE OUT
NATURE CONTROLLED
EVERY DAY A PERFECT DRYING DAY

No claim is made to the representation of the dry kiln or to the words "Drying from the Inside Out," or to the words "Nature Controlled" apart from the other features of the mark.

Particular description of goods.—Dry Kilns.
Claims use since Feb. 1, 1922.

Ser. No. 175,439. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROANOKE MILLS COMPANY, Roanoke Rapids, N. C. Filed Feb. 2, 1923.



Particular description of goods.—Woven Cotton Fabrics Including Cotton Flannels.
Claims use since Dec. 20, 1922.

Ser. No. 176,008. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED B. ADAMS, New York, N. Y. Filed Feb. 14, 1923.

Lipoides H.I.
ISCOVESCO

Particular description of goods.—Biotherapeutic and Opothherapeutic Products in Ampul and Pill Form.
Claims use since Feb. 5, 1922.

Ser. No. 176,030. (CLASS 39. CLOTHING.) MILTEN CLOAK & SUIT Co., New York, N. Y. Filed Feb. 14 1923.

Kamelure

Particular description of goods.—Women's Cloak, Suits, and Coats.

Claims use since Nov. 15, 1922.

Ser. No. 176,065. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GODFREY L. CABOT, INC., Boston Mass. Filed Feb. 15, 1923.

MONARCH

Particular description of goods.—Carbon Black.
Claims use since October, 1912.

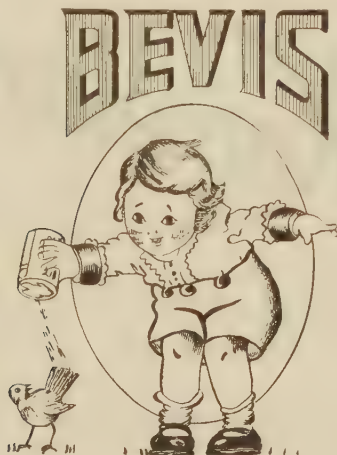
Ser. No. 176,109. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEVIS ROCK SALT Co., Kansas City, Mo., and Lyons, Kans. Filed Feb. 16, 1923.



The lining in the drawing indicates a series of colors—viz, green, yellow, orange, red, purple, and blue from top to bottom.

Particular description of goods.—Salt.
Claims use since Nov. 1, 1922.

Ser. No. 176,110. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEVIS ROCK SALT Co., Kansas City, Mo., and Lyons, Kans. Filed Feb. 16, 1923.



The lining on the drawing represents the color red.
Particular description of goods.—Salt.
Claims use since Nov. 1, 1922.

Ser. No. 176,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEVIS ROCK SALT Co., Kansas City, Mo., and Lyons, Kans. Filed Feb. 16, 1923.



The lining in drawing represents the color red. The word "Brand" is disclaimed apart from the mark shown.
Particular description of goods.—Salt.
Claims use since Nov. 1, 1922.

Ser. No. 176,147. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITMAN, WARD & LEE Co., Boston, Mass. Filed Feb. 16, 1923.



The words "Brand" and "Fillet of Haddock" are disclaimed apart from the mark as shown.
Particular description of goods.—Fresh Fish Which have Been Subjected to a Pickling Solution, Then Wrapped and Canned or Boxed.
Claims use since November, 1921.

Ser. No. 176,184. (CLASS 39. CLOTHING.) JACOB B. HIRSHFELD, doing business as J. B. Hirshfeld & Co., Inc., New York, N. Y. Filed Feb. 17, 1923.



Particular description of goods.—Knitted and Nainsook Underwear for Men, Women, and Children; Hosiery, and Sweaters.

Claims use since Oct. 4, 1917.

Ser. No. 176,244. (CLASS 39. CLOTHING.) ALLAN-DALE KNITTING MILLS, INC., New York, N. Y. Filed Feb. 19, 1923.

The 4 Season Jacket

The word "Jacket" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Knitted Outer Garments Comprising Knitted Sport Coats, Sweaters, Jackets, and Bathing Suits.

Claims use since about Oct. 21, 1922.

Ser. No. 176,369. (CLASS 19. VEHICLES. NOT INCLUDING ENGINES.) STERRETT & FLEMING, INCORPORATED, Washington, D. C. Filed Feb. 20, 1923.



The shading shown on drawing represents shading only and not color. The words "This is a certified motor car" are disclaimed apart from the other features of the mark.

Particular description of goods.—Used and Secondhand Motor Vehicles.

Claims use since Jan. 18, 1923.

Ser. No. 176,412. (CLASS 39. CLOTHING.) MAJESTIC SHOE COMPANY, New York, N. Y. Filed Feb. 21, 1923.



No rights are asserted to the exclusive use of the word "Shoe" apart from the mark shown in the drawing.

Particular description of goods.—Shoes of Leather and Fabric and Combinations Thereof.

Claims use since November, 1921.

Ser. No. 176,451. (CLASS 39. CLOTHING.) CLUETT, PEABODY & COMPANY, INC., Troy, N. Y. Filed Feb. 23, 1923.

ARROW-TEX

Particular description of goods.—Collars.

Claims use since Feb. 13, 1923.

Ser. No. 176,465. (CLASS 39. CLOTHING.) EDWARD HEATHCOTE, New York, N. Y. Filed Feb. 23, 1923.



No claim is made to the exclusive use of the words "Yarmouth" and "Hosiery" apart from the mark as shown.

Particular description of goods.—Men's, Ladies', Boys' and Girls' Hosiery, Underwear, Sweaters, Gloves, and Mittens of Knitted Fabrics.

Claims use since Jan. 1, 1923.

Ser. No. 176,480. (CLASS 2. RECEPTACLES.) KEYNOTE MANUFACTURING CO. INC., Indianapolis, Ind. Filed Feb. 23, 1923.

KEYNOTE

Particular description of goods.—Septic Tanks.

Claims use since Sept. 15, 1922.

Ser. No. 176,486. (CLASS 39. CLOTHING.) LORD & TAYLOR, New York, N. Y. Filed Feb. 23, 1923.

FLEX-I-PED

Particular description of goods.—Shoes of Leather and of Leather and Rubber.

Claims use since Feb. 9, 1923.

Ser. No. 176,497. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NICHOLSON'S RAINCOAT CO., LIMITED, St. Albans, England. Filed Feb. 23, 1923.

Perramus

Particular description of goods.—Waterproofed Fabrics in the Piece Consisting Chiefly of Wool.

Claims use since Aug. 22, 1892.

Ser. No. 176,547. (CLASS 39. CLOTHING.) AMOS L. HORST, New York, N. Y. Filed Feb. 24, 1923.

LUXOR



HORST HOSIERY

SILK HOSE

The words "Horst Hosiery" and "Silk Hose" are hereby disclaimed.

Particular description of goods.—Hosiery.

Claims use since Feb. 21, 1923.

Ser. No. 176,617. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE ALFRED C. GOETHEL CO., Milwaukee, Wis. Filed Feb. 26, 1923.

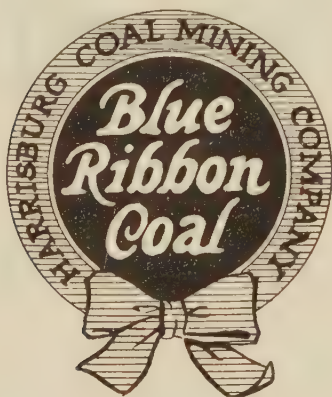


The vertical shade lines or parts of the letters comprising the mark represent red coloring. Other parts of each letter are black, as indicated. The words "Trade Mark" are disclaimed apart from the mark as shown.

Particular description of goods.—Sheet-Metal Sectional Rowboats.

Claims use since Oct. 1, 1921.

Ser. No. 176,624. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HARRISBURG COAL MINING COMPANY, Chicago, Ill. Filed Feb. 26, 1923.



The lining of drawing indicates blue. The word "Coal" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Coal.

Claims use since July, 1920.

Ser. No. 176,646. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. H. PARRISH COMPANY, Chicago, Ill. Filed Feb. 26, 1923.

PAR-O-LITE

Trade-mark consists of the coined word "Par-O-Lite."

Particular description of goods.—Drying Liquid Composition of Matter for Rendering Paper Transparent.

Claims use since July 1, 1921.

Ser. No. 176,790. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DYESTUFFS & CHEMICALS, INCORPORATED, St. Louis, Mo. Filed Mar. 1, 1923.

GOLDEN CHURN

Particular description of goods.—Coloring Matter for Butter.

Claims use since about July, 1921.

Ser. No. 176,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE M. MILLER, Brooklyn, N. Y. Filed Mar. 3, 1923.



Particular description of goods.—Liquid, Cream, and Pomade Hair Dressings.

Claims use since Jan. 15, 1923.

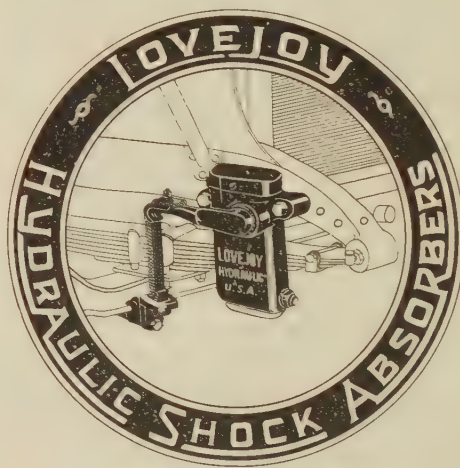
Ser. No. 177,020. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES W. PRICE, doing business as C. W. P. Company, New York, N. Y. Filed Mar. 5, 1923.



Particular description of goods.—Hair Tonics, Shampoo Jelly, Massage Oil, Brilliantine, Cold Cream, Face Creams, Rouge Pastes and Powders, Face Lotions, Tooth Pastes and Powders; Nail Polish, Both Liquid and Powder; Antiseptic Lotions, Toilet Waters, Talcum Powders, Perfumery, and Antiseptic Hair Creams.

Claims use since Feb. 2, 1923.

Ser. No. 177,090. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LOVEJOY MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 7, 1923.

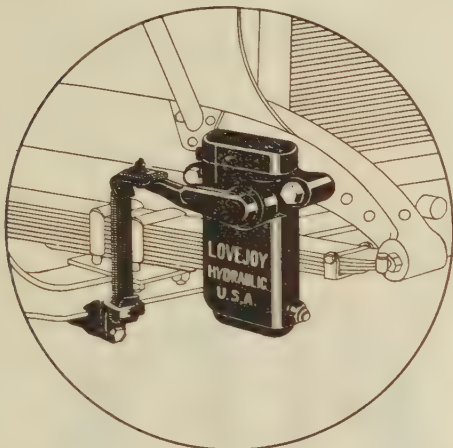


No claim is made to the exclusive use of the representation of a shock absorber, or to the words "Hydraulic Shock Absorbers," or to the word "Hydraulic," or to the letters "U. S. A." apart from the mark in its entirety shown.

Particular description of goods.—Hydraulic Shock Absorbers for Automobiles.

Claims use since Aug. 21, 1922.

Ser. No. 177,091. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LOVEJOY MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 7, 1923.



No claim is made to the exclusive use of the representation of a shock absorber, or the word "Hydraulic," or the letters "U. S. A." apart from the mark in its entirety shown.

Particular description of goods.—Hydraulic Shock Absorbers for Automobiles.

Claims use since August, 1919.

Ser. No. 177,121. (CLASS 39. CLOTHING.) CHESAPEAKE WEAVING MILLS, INC., Havre de Grace, Md., and Philadelphia, Pa. Filed Mar. 8, 1923.

KAPER KAPES

No claim is made to the word "Kapes" apart from the mark shown.

Particular description of goods.—Bathing Capes.

Claims use since Jan. 1, 1923.

Ser. No. 177,143. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ERNEST G. SLOMAN, San Francisco, Calif. Filed Mar. 8, 1923.



Particular description of goods.—Card Game.

Claims use since Feb. 13, 1923.

Ser. No. 177,286. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DAVID FEINBERG COMPANY, doing business as Snappee Co., Chelsea, Mass. Filed Mar. 12, 1923.

RED TIP

Trade-mark consists of the words "Red Tip."

Particular description of goods.—Spring Covers and Grease Boots.

Claims use since Sept. 16, 1922.

Ser. No. 177,318. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHWESTERN YEAST COMPANY, Chicago, Ill. Filed Mar. 12, 1923.



Particular description of goods.—A Yeast Vitamine Product Used as a General or System Tonic.

Claims use since Jan. 25, 1922.

Ser. No. 177,333. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN A. SWOPE, Jr., doing business as Human Hand Cake Beater Co., Union Deposit, Pa. Filed Mar. 12, 1923.



Particular description of goods. Cake Beaters and Mixers.

Claims use since Oct. 25, 1922.

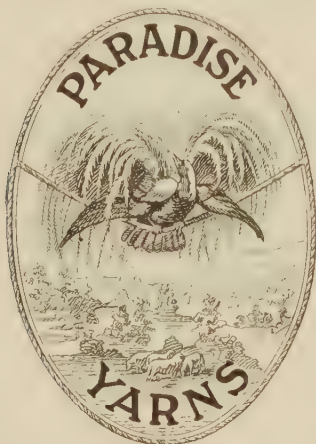
Ser. No. 177,377. (CLASS 39. CLOTHING.) HICKEY-FREEMAN Co., Rochester, N. Y. Filed Mar. 13, 1923.

GLEN- SPRAY

Particular description of goods.—Overcoats and Topcoats.

Claims use since Sept. 25, 1922.

Ser. No. 177,420. (CLASS 43. THREAD AND YARN.)
CARROLL D. NEWELL, New York, N. Y. Filed Mar. 13,
1923.



No claim is made to the word "Yarns" apart from the mark shown in the drawing.

Particular description of goods.—Yarn.

Claims use since Dec. 1, 1922.

Ser. No. 177,448. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE MIFFLINBURG BODY COMPANY, Mifflinburg, Pa. Filed Mar. 14, 1923.



The words "Mifflinburg, Pennsylvania" and the representation of an automobile body appearing in the drawing are disclaimed apart from the other features of the trade-mark.

Particular description of goods.—Commercial-Automobile Bodies.

Claims use since Jan. 8, 1923.

Ser. No. 177,485. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARBACES B. GRAY, doing business as A. B. Gray Company, Sullivan, Ind. Filed Mar. 15, 1923.



Particular description of goods.—Prepared Mustard, Vinegar, Tomato Catchup, Peanut Butter, Coffee, and Canned Fruits and Vegetables—Namely, Peaches, Corn, Tomatoes, and Canned Sauerkraut.

Claims use since Nov. 1, 1921.

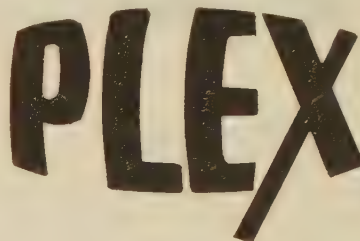
Ser. No. 177,502. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MCKESSON & ROBBINS INC., New York, N. Y. Filed Mar. 15, 1923.

KENTWORTH

Particular description of goods.—Brushes of Various Kinds.

Claims use since March, 1922.

Ser. No. 177,563. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LARSON-SORAHAN CO., INC., Salem, Oreg. Filed Mar. 16, 1923.



Particular description of goods.—Furniture and Automobile Polish.

Claims use since July 1, 1922.

Ser. No. 177,607. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEYSTONE FRUIT PRODUCTS COMPANY, Cincinnati, Ohio. Filed Mar. 17, 1923.

PEACHMOND

Particular description of goods.—Preserved Fruit.

Claims use since Jan. 1, 1923.

Ser. No. 177,774. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) W. F. DOUGHERTY & SONS, INCORPORATED, Philadelphia, Pa. Filed Mar. 21, 1923.



Particular description of goods.—Coal and Gas Combination Ranges and Broilers and Warming Closets for Hotels, Restaurants, Steamships, and Institutions.

Claims use since 1916

Ser. No. 177,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRON-GRAY PACKING CO., San Jose, Calif. Filed Mar. 22, 1923.

SANTAVALLEY

Particular description of goods.—Canned Fruit and Vegetables and Dried Fruit.

Claims use since Jan. 27, 1923.

Ser. No. 177,858. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IDA MCKOIN, Guthrie, Okla. Filed Mar. 22, 1923.



Particular description of goods.—Hair Grower.

Claims use since Apr. 1, 1919.

Ser. No. 177,894. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH F. BEERLI, Cleveland, Ohio. Filed Mar. 23, 1923.

S-P-N

Particular description of goods.—Physiological Nutritive Salts.

Claims use since Jan. 26, 1923.

Ser. No. 177,903. (CLASS 39. CLOTHING.) EVERETT KNITTING WORKS, Lebanon, N. H. Filed Mar. 23, 1923.

Baby Dartmouth

Particular description of goods.—Infants' Knitted Underwear Both One and Two Piece Wrappers and Bands.

Claims use since October, 1922.

Ser. No. 177,904. (CLASS 39. CLOTHING.) EVERETT KNITTING WORKS, Lebanon, N. H. Filed Mar. 23, 1923.

Miss Dartmouth

Particular description of goods.—Misses' and Childrens' Knitted Underwear Both One and Two Piece and Sleeping Suits.

Claims use since October, 1922.

Ser. No. 177,941. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM R. WEDRICK, Silver Lake, Ind. Filed Mar. 23, 1923.



The words "Brand," "Fancy," and "Onions" are hereby disclaimed apart from the other features of the mark.

Particular description of goods.—Onions in Their Natural State.

Claims use since Aug. 12, 1922.

Ser. No. 177,946. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATLANTIC MILLS, Stottville, N. Y. Filed Mar. 24, 1923.

Konia

Particular description of goods.—Woolen Piece Goods.

Claims use since July, 1922.

Ser. No. 177,947. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATLANTIC MILLS, Stottville, N. Y. Filed Mar. 24, 1923.

Tarragona

Particular description of goods.—Cotton Piece Goods and Woolen Piece Goods and Piece Goods of Mixed Cotton and Wool.

Claims use since July, 1922.

Ser. No. 177,951. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Mar. 24, 1923.

SEDAN

Particular description of goods.—Rubber and Fabric Tires.

Claims use since Mar. 12, 1923.

Ser. No. 177,972. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH F. HREJSA, Chicago, Ill. Filed Mar. 24, 1923.

BROVULES

Particular description of goods.—Laxative Preparations.

Claims use since Nov. 7, 1918.

Ser. No. 177,998. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio. Filed Mar. 24, 1923.



Particular description of goods.—Glycerin.
Claims use since April, 1919.

Ser. No. 178,008. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE UNION STEEL PRODUCTS COMPANY, LTD., Albion, Mich. Filed Mar. 24, 1923.



Particular description of goods.—Pie, Cooky, and Bread Rack Trucks, Proof Box Trucks, Dough-Trough Trucks, Table Trucks, Steel Trucks, Tank Trucks, Barrel Trucks, Coal Trucks, Display Case Trucks, Tray-Carrier Trucks, Truck Parts, Stand Trucks, Ash-Can Trucks, and Store and Factory Trucks.

Claims use since Mar. 15, 1913.

Ser. No. 178,017. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AMERICAN ASPHALT PAINT CO., Chicago, Ill. Filed Mar. 26, 1923.

Sunny Blac

Particular description of goods.—Ready-Mixed Paint.
Claims use since Feb. 15, 1922.

Ser. No. 178,022. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BLUE BIRD REMEDY CO., Minneapolis, Minn. Filed Mar. 26, 1923.



BLUE BIRD

Particular description of goods.—Medicinal Preparation Used in the Treatment of Asthma, Hay Fever, and Eczema.

Claims use since Mar. 1, 1920.

Ser. No. 178,072. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL L. TARARA, St. Paul, Minn. Filed Mar. 26, 1923.



Particular description of goods.—Antiseptic Foot Powder.

Claims use since Dec. 1, 1922.

Ser. No. 178,084. (CLASS 39. CLOTHING.) MARTHA MAID MANUFACTURING COMPANY, INCORPORATED, Chicago, Ill. Filed Mar. 26, 1923.

**Martha
Maid**

Particular description of goods.—Cotton, Silk, Wool, and Linen Underwear of Knitted and Textile Fabric for Females.

Claims use since November, 1920.

Ser. No. 178,121. (CLASS 15. OILS AND GREASES.)
PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27,
1923.

GUARDIAN

Particular description of goods.—Cylinder Oil.
Claims use since May, 1910.

Ser. No. 178,123. (CLASS 15. OILS AND GREASES.)
PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27,
1923.

WHITE CLOVER

Particular description of goods.—Lubricating Oil for
Hand Separators.
Claims use since May, 1912.

Ser. No. 178,124. (CLASS 15. OILS AND GREASES.)
PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27,
1923.

MONEY BACK

Particular description of goods.—Graphite Farm-Ma-
chinery Oil.
Claims use since July, 1912.

Ser. No. 178,125. (CLASS 15. OILS AND GREASES.)
PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27,
1923.

NORTHWESTERN

Particular description of goods.—Farm-Machinery-
Lubricating Oil.
Claims use since May, 1910.

Ser. No. 178,133. (CLASS 15. OILS AND GREASES.)
PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27,
1923.

CONCORD

Particular description of goods.—Axle Grease.
Claims use since May, 1910.

Ser. No. 178,134. (CLASS 15. OILS AND GREASES.)
PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27,
1923.

Fast Mail

Particular description of goods.—Hard Oil.
Claims use since May, 1910.

Ser. No. 178,144. (CLASS 6. CHEMICALS, MEDI-
CINES, AND PHARMACEUTICAL PREPARATIONS.)
SOCIETE ANONYME PARFUMERIE VIOLET, Paris, France.
Filed Mar. 27, 1923.

Veolay

Particular description of goods.—Perfumes, Toilet
Waters, Face Powders, Talcum Powders, Sachet Pow-
ders, Lotion for the Skin and Hair, Rouge, and Bril-
liantine.

Claims use since January, 1923.

Ser. No. 178,160. (CLASS 1. RAW OR PARTLY-PRE-
PARED MATERIALS.) C. D. BROWN & Co., INC.,
Rochester, N. Y. Filed Mar. 28, 1923.

ATTA BROWN

Applicant hereby disclaims the word "Brown" apart
from the trade-mark as a whole, which is "Atta Brown."

Particular description of goods.—Finished Upper-
Leather Calfskins.

Claims use since Apr. 10, 1922.

Ser. No. 178,161. (CLASS 1. RAW OR PARTLY-PRE-
PARED MATERIALS.) C. D. BROWN & Co., INC.,
Rochester, N. Y. Filed Mar. 28, 1923.

ATTA RED

Applicant hereby disclaims the word "Red" apart from
the trade-mark as a whole, which is "Atta Red."

Particular description of goods.—Finished Upper-
Leather Calfskins.

Claims use since Apr. 10, 1922.

Ser. No. 178,200. (CLASS 12. CONSTRUCTION MATERIALS.) ROBERT E. WHITE, Absecon, N. J. Filed Mar. 28, 1923.

BOB WHITE

Particular description of goods.—Cement and Concrete Blocks, Bricks, and Building Units.

Claims use since May 19, 1922.

Ser. No. 178,208. (CLASS 37. PAPER AND STATIONERY.) BECKER PAPER CORPORATION, New York, N. Y. Filed Mar. 29, 1923.

SPEC. NO. 111

Particular description of goods.—Writing and Bond Paper.

Claims use since about Mar. 8, 1923.

Ser. No. 178,238. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDRAI COMPANY, Cincinnati, Ohio. Filed Mar. 29, 1923.

PY-MAS-CIDE

Particular description of goods.—Chemicals Consisting of a Tooth Paste, Liquid and Paste Mouth Wash; Cream, Liquid, and Paste Gum Massage; Also a Film and Tar-tar Discoloring Stain.

Claims use since June 10, 1921.

Ser. No. 178,239. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ELLIS RESILIENT WHEEL CORPORATION, Seattle, Wash. Filed Mar. 29, 1923.



Particular description of goods.—Wheels of Automobiles and Industrial Cars.

Claims use since Jan. 15, 1920.

Ser. No. 178,267. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MIHALOVITCH CO., Cincinnati, Ohio. Filed Mar. 29, 1923.



Particular description of goods.—Rubbing and Massage Alcohol, Skin Cleanser, Hair Tonic, and After-Shaving Lotion.

Claims use since January, 1922.

Ser. No. 178,284. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM FREDERICK RETT, doing business as Nu-Ka-Na Remedy Co., Roselle, N. J. Filed Mar. 29, 1923.

Nu-Ka-Na

Particular description of goods.—Medicine Known in the Trade as a Blood Purifier and Body Builder.

Claims use since Jan. 1, 1923.

Ser. No. 178,335. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FANTEA COMPANY, Brooklyn, N. Y. Filed Mar. 30, 1923.



No claim made to the exclusive use of the word "Tea" apart from the mark as shown on the drawing.

Particular description of goods.—Tea Put Up in Tea Balls.

Claims use since Mar. 22, 1923.

Ser. No. 178,343. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOFFMAN CANDY Co., Cleveland, Ohio. Filed Mar. 30, 1923.

Hoff-o-Lite

Particular description of goods.—Candy Bar.
Claims use since Apr. 17, 1922.

Ser. No. 178,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS KALETZKY, Syracuse, N. Y. Filed Mar. 30, 1923.

LA-KALETZ

Particular description of goods.—Externally-Applied Medicine for Rheumatism and Backache.
Claims use since Mar. 1, 1923.

Ser. No. 178,359. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REESE CHEMICAL COMPANY, Cleveland, Ohio. Filed Mar. 30, 1923.



Particular description of goods.—Remedy for the Treatment of Gout.
Claims use since Feb. 1, 1923.

Ser. No. 178,388. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISADORE HOLLANDER, doing business as Hollander Chemical Works, Bayonne, N. J. Filed Mar. 31, 1923.



Particular description of goods.—Insecticides.
Claims use since Sept. 15, 1922.

312 O. G.—29

Ser. No. 178,421. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ARTHUR A. WILLIAMS, doing business as Arthur Williams Shoe Company, Holliston, Mass. Filed Mar. 31, 1923.

Goodwill

Particular description of goods.—Leather Used in Manufacturing and Repairing Shoes.
Claims use since Aug. 1, 1921.

Ser. No. 178,423. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALDERMAN, FAIRCHILD Co., Rochester, N. Y. Filed Apr. 2, 1923.



The words "Auto Race Game" are not a part of the trade-mark and are disclaimed.

Particular description of goods.—Game Known as Spedem, a Table Game Played with Pieces and Marked Cubes or Rotary Counter.

Claims use since Mar. 1, 1923.

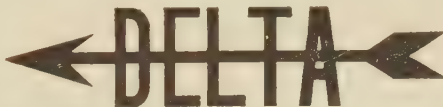
Ser. No. 178,474. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) H. W. SELLE & Co., Chicago, Ill. Filed Apr. 2, 1923.



Particular description of goods.—Packing Pads Made of Excelsior or Similar Packing Material and Having a Covering of Paper or Similar Material and Designed for Use in Packing Objects for Shipments.

Claims use since Dec. 15, 1922.

Ser. No. 178,497. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DELTA EXPORT LUMBER CORPORATION, Memphis, Tenn. Filed Apr. 3, 1923.



Particular description of goods.—Logs.
Claims use since June 1, 1922.

Ser. No. 178,542. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTOONA PACKING COMPANY, Astoria, Oreg. Filed Apr. 4, 1923.

Alpaco

Particular description of goods.—Canned Fish.
Claims use since Aug. 14, 1916.

Ser. No. 178,551. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. F. BUTTS Co., San Francisco, Calif. Filed Apr. 4, 1923.

GOLDEN WREATH

Particular description of goods.—Canned Fruits and Vegetables.

Claims use since Nov. 10, 1922.

Ser. No. 178,574. (CLASS 31. FILTERS AND REFRIGERATORS.) STEINFELD INC., New York, N. Y. Filed Apr. 4, 1923.



No claim made to the word "Freezer" apart from the mark shown.

Particular description of goods.—Ice-Cream Freezers.

Claims use since Jan. 23, 1923.

Ser. No. 178,601. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA D. FLYNN, Beach Bluff, Mass. Filed Apr. 5, 1923.



Anna Dorothea

Particular description of goods.—Candy.

Claims use since Feb. 12, 1923.

Ser. No. 178,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA D. FLYNN, Beach Bluff, Mass. Filed Apr. 5, 1923.

Anna Dorothea

Trade-mark consists of the words "Anna Dorothea."

Particular description of goods.—Candy.

Claims use since Feb. 12, 1923.

Ser. No. 178,611. (CLASS 12. CONSTRUCTION MATERIALS.) HIGHLAND LAKE PAPER COMPANY, Walpole, Mass. Filed Apr. 5, 1923.

MINK BRAND



No claim made to the word "Brand."

Particular description of goods.—Sheathing Paper, Waterproof Building Paper, Roofing Paper, Tar Felt, and Asphalt Shingles.

Claims use since 1897.

Ser. No. 178,613. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY B. HORNER, doing business as H. & H. Products Company, Atlanta, Ga. Filed Apr. 5, 1923.

Ue-lo-ra

Particular description of goods.—Shampoo Cream.

Claims use since Feb. 10, 1923.

Ser. No. 178,647. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WESTCOTT, SLADE AND BALCOM COMPANY, Providence, R. I. Filed Apr. 5, 1923.

MUR-COP

Particular description of goods.—Boat Paint.

Claims use since Mar. 15, 1921.

Ser. No. 178,702. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARMOUR AND COMPANY, Chicago, Ill. Filed Apr. 7, 1923.

INSULASE

Particular description of goods.—Medicinal Preparation Used in the Treatment of Diabetes.

Claims use since about Dec. 1, 1922.

Ser. No. 178,724. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHAEL W. KENT, doing business as Kent Company, Kansas City, Mo. Filed Apr. 7, 1923.

MyKel

Particular description of goods.—Dentifrice in Powder Form.

Claims use since Oct. 23, 1922.

Ser. No. 178,745. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) J. F. LAZIER MFG. CO., St. Louis, Mo. Filed Apr. 7, 1923.

NOXALL

Particular description of goods.—Nonalcoholic Maltless Soft Drinks.

Claims use since 1919.

Ser. No. 178,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ODEX PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 7, 1923.

ODEX



Particular description of goods.—Foot Powder.

Claims use since Mar. 1, 1923.

Ser. No. 178,793. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WIRE WHEEL CORPORATION OF AMERICA, Buffalo, N. Y. Filed Apr. 7, 1923.



The exclusive use of the word "Disc" is disclaimed apart from its use with the other features of the mark as set forth in the drawing.

Particular description of goods.—Metal Disk for Motor Vehicles and Parts Thereof.

Claims use since Feb. 1, 1923.

Ser. No. 178,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE C. BUELL & CO. INC., Rochester, N. Y. Filed Apr. 9, 1923.



Particular description of goods.—Coffee.

Claims use since 1905.

Ser. No. 178,831. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRANK M. EDWARDS, Milwaukee, Wis. Filed Apr. 9, 1923.



Applicant disclaims the words "Landscape Architect Milwaukee" apart from the trade mark as shown on the drawing.

Particular description of goods.—Trees, Plants, Shrubs, and Bushes.

Claims use since Apr. 1, 1923.

Ser. No. 178,841. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HAINES MANUFACTURING CORPORATION, Rochester, N. Y. Filed Apr. 9, 1923.



No claim is made for the words "A Special Tint for a Special Purpose."

Particular description of goods.—Automobile Accessories—Namely, Glare Shields, Same Being a Metal Bracket Adjustingly Supporting Tinted Glass to Neutralize the Glare from Approaching Headlights.

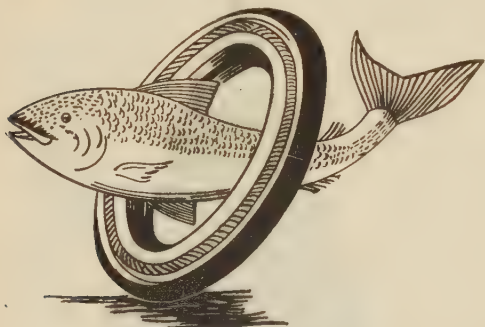
Claims use since Jan. 10, 1923.

Ser. No. 178,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RICHARDSON-MARSH CORPORATION, Orlando, Fla. Filed Apr. 9, 1923.



Particular description of goods.—Fresh Citrous Fruits.
Claims use since Nov. 1, 1921.

Ser. No. 179,323. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SALMON FALLS MANUFACTURING COMPANY, Boston, Mass. Filed Apr. 18, 1923.



The applicant disclaims any exclusive right to the representation of a tire apart from the mark shown in the drawing.

Particular description of goods.—Tire Fabrics in the Piece.

Claims use since May 23, 1922.

Ser. No. 179,513. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BEVERAGE EXTRACT COMPANY, Chicago, Ill. Filed Apr. 23, 1923.

ZENO

Particular description of goods.—Nonintoxicating, Nonalcoholic, Noncereal, Maltless Beverage Sold as Soft Drink and a Compound in Powdered Form for Use in Making Such Beverages.

Claims use since Mar. 16, 1923.

Ser. No. 179,576. (CLASS 39. CLOTHING.) WILLOW WEAVING CO. INC., New York, N. Y. Filed Apr. 23, 1923.

WILLOWASH

Trade-mark consists of the word "Willowash."

Particular description of goods.—Cravats.

Claims use since Aug. 1, 1922.

Ser. No. 179,590. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES G. DILLON, New York, N. Y. Filed Apr. 24, 1923.

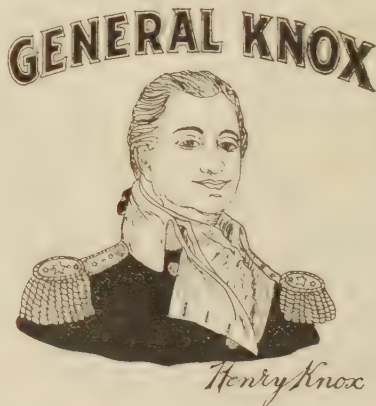


The words "A Superior Drink," "Absolutely Pure," "No Artificial Color," and "No Artificial Flavor" are disclaimed apart from the mark shown in the drawing. The lines indicating a diamond-shaped label are not claimed as forming any part of the mark.

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Sirups for Making the Same.

Claims use since Mar. 15, 1923.

Ser. No. 179,599. (CLASS 17. TOBACCO PRODUCTS.) JOHN C. HERMAN & COMPANY, Harrisburg, Pa. Filed Apr. 24, 1923.



Trade-mark consists of a facsimile signature and portrait of Henry Knox, deceased, Revolutionary general and Secretary of War 1785-1795, and the words "General Knox."

Particular description of goods.—Cigars.

Claims use since Sept. 4, 1908.

Ser. No. 179,636. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS S. WILLIAMS, Republic, Wash. Filed Apr. 24, 1923.

T.S.W.

Particular description of goods.—Preparation for the Removal of Dandruff and for the Treatment of Scalp and Skin Diseases.

Claims use since Jan. 1, 1923.

Ser. No. 179,693. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, New York, N. Y. Filed Apr. 25, 1923.

Satinella

Particular description of goods.—Sateen Piece Goods.

Claims use since Dec. 30, 1921.

Ser. No. 179,705. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING COMPANY, Kalamazoo, Mich. Filed Apr. 26, 1923.

PARABAR

Particular description of goods.—Bumpers.

Claims use since about Feb. 15, 1923.

Ser. No. 179,706. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING COMPANY, Kalamazoo, Mich. Filed Apr. 26, 1923.

OVABAR

Particular description of goods.—Bumpers.

Claims use since about Feb. 15, 1923.

Ser. No. 179,707. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING COMPANY, Kalamazoo, Mich. Filed Apr. 26, 1923.

SINGABAR

Particular description of goods.—Bumpers.

Claims use since about Feb. 15, 1923.

Ser. No. 179,722. (CLASS 39. CLOTHING.) HEDELBURG, WOLFF & Co., New York, N. Y. Filed Apr. 26, 1923.



No claim is made in this application to the words "Sport Wear Tailored in New York," without, however, thereby waiving any common-law rights.

Particular description of goods.—Overcoats, Raincoats, Smoking Jackets, House Coats, Norfolk Jackets, Topcoats, Golf Suits, and Sport Suits.

Claims use since about Feb. 1, 1923.

Ser. No. 179,748. (CLASS 39. CLOTHING.) N. SIMON & Co., Chicago, Ill. Filed Apr. 26, 1923.



Particular description of goods.—Apron Dresses.

Claims use since Jan. 15, 1923.

Ser. No. 179,774. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEORGE G. BROWN, New York, N. Y. Filed Apr. 27, 1923.



Particular description of goods.—Carburetors.

Claims use since Apr. 9, 1923.

Ser. No. 179,820. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RED HEAD MANUFACTURING COMPANY, New York, N. Y. Filed Apr. 27, 1923.



Particular description of goods.—Hand Drills.

Claims use since Jan. 30, 1923.

Ser. No. 179,873. (CLASS 39. CLOTHING.) LEWIS-WISE CO., INC., New York, N. Y. Filed Apr. 28, 1923.

LOCKER ROBE

Trade-mark consists of the word "Locker Robe," no claim being made to the exclusive use of the word "Robe" apart from the mark as shown in the drawing.

Particular description of goods.—Men's Robes.

Claims use since Feb. 1, 1923.

Ser. No. 179,876. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WILLIAM MCKEE, Minneapolis, Minn. Filed Apr. 28, 1923.

Radilla

Particular description of goods.—Nonalcoholic, Malt-less Beverage Sold as a Soft Drink.

Claims use since June 15, 1922.

Ser. No. 179,916. (CLASS 39. CLOTHING.) AMERICAN LADY CORSET COMPANY, Detroit, Mich. Filed Apr. 30, 1923.

FLEX-TEX

Particular description of goods.—Corsets, Corset Waists, Brassières, Bandeaux, Girdles, Hose Supporters, Diaphragm Confiners, Ladies' Undergarments—Namely, Camisoles, Step-Ins, Chemises, Vests, Corset Covers, and Combinations of Brassières and Corsets.

Claims use since Mar. 1, 1923.

Ser. No. 179,926. (CLASS 37. PAPER AND STATIONERY.) THE J. W. BUTLER PAPER CO., Chicago, Ill. Filed Apr. 30, 1923.

Lithocraft

Particular description of goods.—Print Paper, Book Paper, Cover Paper, Writing Paper, Bond Paper, Bristol Board, Cardboard, and Thin Papers Used for Manifold Copy Work.

Claims use since March, 1920.

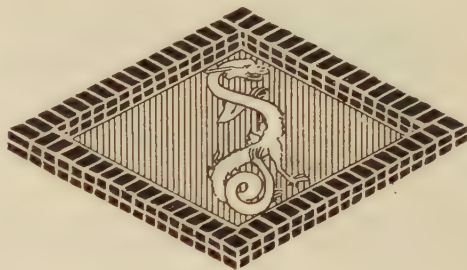
Ser. No. 179,946. (CLASS 39. CLOTHING.) JEROME L. MILLER, doing business as J. L. Miller Knitting Mill, Hazleton, Pa. Filed Apr. 30, 1923.

MILLER MAID

Particular description of goods.—Ladies' Cotton Knit Underwear.

Claims use since Feb. 12, 1923.

Ser. No. 179,955. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PUNG-CHOW COMPANY, INC., New York, N. Y. Filed Apr. 30, 1923.



The drawing is not lined for color.

Particular description of goods.—Games Played With Pieces Somewhat Similar to Dominoes and Parts Thereof.

Claims use since Jan. 26, 1922.

Ser. No. 179,956. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PUNG-CHOW COMPANY, INC., New York, N. Y. Filed Apr. 30, 1923.



Particular description of goods.—Game Played With Pieces Somewhat Similar to Dominoes and Parts Thereof.

Claims use since Jan. 26, 1922.

Ser. No. 179,962. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RUBBER & CELLULOID PRODUCTS COMPANY, doing business as Rubberset Company, Newark, N. J. Filed Apr. 30, 1923.

BILL SQUAT

Particular description of goods.—Shaving Brushes.

Claims use since Jan. 5, 1923.

Ser. No. 179,987. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 1, 1923.

FRAM

Particular description of goods.—Worsted Yarn Fabric Known in the Textile Industry as "Reps."

Claims use since 1916.

Ser. No. 179,988. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 1, 1923.

EPINGLE

Particular description of goods.—Worsted Yarn Fabric Known in the Textile Industry as "Reps."

Claims use since 1900.

Ser. No. 180,223. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOLIET MANUFACTURING COMPANY, Joliet, Ill. Filed May 5, 1923.



The words "The Joliet" are disclaimed except in connection with the other features of the mark, though applicant does not waive any common-law rights thereto by making this disclaimer.

Particular description of goods.—Corn Shellers.

Claims use since Mar. 10, 1923.

Ser. No. 180,248. (CLASS 15. OILS AND GREASES.) SNOWOLENE HOLDING COMPANY, Los Angeles, Calif. Filed May 5, 1923.



Applicant disclaims the exclusive right to the use of the word "Quality" apart from the mark as shown.

Particular description of goods.—Gasoline, Kerosene, Lubricating Oils, Petroleum Distillate.

Claims use since Jan. 1, 1923.

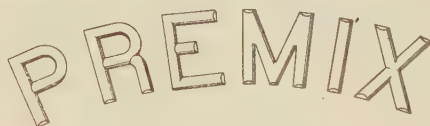
Ser. No. 180,307. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STAR CAN OPENER COMPANY, San Francisco, Calif. Filed May 7, 1923.



Particular description of goods.—Can Openers.

Claims use since Nov. 1, 1922.

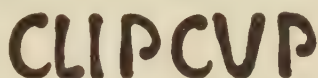
Ser. No. 180,325. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JABEZ BURNS & SONS, New York, N. Y. Filed May 8, 1923.



Particular description of goods.—Roasters and Parts and Supplies for Same for Roasting Food Products, Such as Coffee, Cocoa, Peanuts, Cereals, Etc.

Claims use since Apr. 26, 1923.

Ser. No. 180,403. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WILLSON GOGGLES, INC., Reading, Pa. Filed May 9, 1923.



Particular description of goods.—Ophthalmic Mountings and Parts Thereof.

Claims use since May 1, 1923.

Ser. No. 180,406. (CLASS 15. OILS AND GREASES.) FREDERICK J. ABBOTT, doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Filed May 10, 1923.



Particular description of goods.—Motor Fuels.

Claims use since Apr. 18, 1923.

Ser. No. 180,407. (CLASS 15. OILS AND GREASES.) FREDERICK J. ABBOTT, doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Filed May 10, 1923.



Particular description of goods.—Motor Fuels.

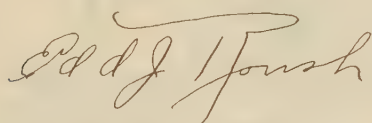
Claims use since Apr. 18, 1923.

Ser. No. 180,408. (CLASS 15. OILS AND GREASES.)
FREDERICK J. ABBOTT, doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Filed May 10, 1923.

ZIP-O-LINE

Particular description of goods.—Motor Fuels.
Claims use since Apr. 18, 1923.

Ser. No. 180,430. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.



The mark is a facsimile of the signature of Edd J. Roush.

Particular description of goods.—Baseball Bats.
Claims use since Nov. 11, 1920.

Ser. No. 180,477. (CLASS 31. FILTERS AND REFRIGERATORS.) I. C. REFRIGERATION CO., New York, N. Y. Filed May 11, 1923.



Particular description of goods.—Refrigeration Cabinets.

Claims use since Jan. 22, 1923.

Ser. No. 180,590. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CORTICELLI SILK COMPANY, Florence, Northampton, Mass. Filed May 14, 1923.

CREPE DENIA

The word "Crepe" is hereby disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Silk Fabrics.
Claims use since about Oct. 4, 1922.

Ser. No. 180,781. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed May 18, 1923.



Particular description of goods.—Knitted Silk Fabrics—viz, Silk Knitted Cloth in the Piece.
Claims use since about May 1, 1923.

Ser. No. 180,783. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed May 18, 1923.



Particular description of goods.—Knitted Silk Fabrics—viz, Silk Knitted Cloth in the Piece.

Claims use since about June 1, 1922.

Ser. No. 180,784. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed May 18, 1923.



Particular description of goods.—Knitted Silk Fabrics—viz, Silk Knitted Cloth in the Piece.

Claims use since about June 1, 1922.

Ser. No. 180,793. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. EINSTEIN, INC., New York, N. Y. Filed May 18, 1923.

TEXELECT

Particular description of goods.—Cotton, Duck, and Canvas Piece Goods.

Claims use since Dec. 26, 1922.

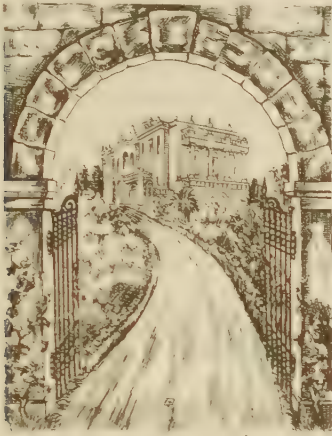
Ser. No. 180,859. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed May 19, 1923.

PICADOR

Trade-mark consists of the word "Picador."

Particular description of goods.—Fabrics Made of Silk.
Claims use since Apr. 1, 1923.

Ser. No. 180,882. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUSS, HESSLEIN & Co., INC., New York, N. Y. Filed May 19, 1923.



Particular description of goods.—Printed Cotton Piece Goods, Bleached and Gray Cotton Piece Goods, and Dyed-in-the-Yarn Cotton Piece Goods.

Claims use since Apr. 15, 1923.

Ser. No. 180,963. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed May 22, 1923.



No claim made to the exclusive use of the words "Fabric Imported" apart from the mark as shown in the drawing.

Particular description of goods.—Cotton Piece Goods.
Claims use since May 9, 1923.

Ser. No. 180,969. (CLASS 42. KNITTED NETTED, AND TEXTILE FABRICS.) THE FARNSWORTH MILLS INC., Central Village, Conn. Filed May 22, 1923.

Royella

Trade-mark consists of the word "Royella."

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 12, 1923.

Ser. No. 180,971. (CLASS 37. PAPER AND STATION-ERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 22, 1923.

MARIGOLD

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.

Claims use since Apr. 25, 1923

Ser. No. 180,972. (CLASS 37. PAPER AND STATION-ERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 22, 1923.

SEA KING

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.

Claims use since Apr. 25, 1923.

Ser. No. 180,975. (CLASS 37. PAPER AND STATION-ERY.) FOX RIVER PAPER COMPANY, Appleton, Wis. Filed May 22, 1923.

STOCK EXCHANGE

Particular description of goods.—Writing Paper.

Claims use since May 10, 1923.

Ser. No. 181,032. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MILLEDALE TEXTILE CORPORATION, New York, N. Y. Filed May 23, 1923.

Tommy Tucker



Particular description of goods.—Cotton Piece Goods.
Claims use since about Mar. 15, 1923.

Ser. No. 181,033. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS Co., Philadelphia, Pa. Filed May 23, 1923.

DECORSHEEN

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.

Claims use since Apr. 20, 1923.

Ser. No. 181,034. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS Co., Philadelphia, Pa. Filed May 23, 1923.

DUROCHINE

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.

Claims use since Oct. 7, 1922.

Ser. No. 181,036. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS Co., Philadelphia, Pa. Filed May 23, 1923.

OROSHEEN

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.

Claims use since Apr. 20, 1923.

Ser. No. 181,037. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS Co., Philadelphia, Pa. Filed May 23, 1923.

PIQUETEX

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.

Claims use since Apr. 20, 1923.

Ser. No. 181,048. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TAYLOR, CLAPP & BEALL, New York, N. Y. Filed May 23, 1923.

ORGULLO DE ARGENTINA

Trade-mark consists of the words "Orgullo De Argentina."

Particular description of goods.—Cotton Piece Goods.

Claims use since November, 1922.

Ser. No. 181,050. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALDERMAN, FAIRCHILD COMPANY, Rochester, N. Y. Filed May 24, 1923.



Particular description of goods.—Game Known as "Tutoom," a Table Game Played with Pieces and Marked Cubes or Rotary Counter.

Claims use since May 3, 1923.

Ser. No. 181,061. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed May 24, 1923.

Tremblant

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.

Claims use since Apr. 26, 1923.

Ser. No. 181,103. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMORY, BROWNE & Co., Boston, Mass. Filed May 25, 1923.

SANDMAN

Particular description of goods.—Textile Cotton Fabrics—Namely, Cotton Piece Goods.

Claims use since May 1, 1923.

Ser. No. 181,178. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Filed May 26, 1923.

Waffelweve

Particular description of goods.—Silk Piece Goods.

Claims use since May 15, 1923.

Ser. No. 181,181. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed May 26, 1923.

ARABELLA

Trade-mark consists of the word "Arabella."

Particular description of goods.—Fabrics Made of Silk.

Claims use since Apr. 16, 1923.

Ser. No. 181,183. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed May 26, 1923.

CHAVELETTE

Trade-mark consists of the word "Chavelette."

Particular description of goods.—Fabrics Made of Silk.

Claims use since Apr. 16, 1923.

Ser. No. 181,225. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STROOCK & COMPANY, INC., New York, N. Y. Filed May 26, 1923.

HI-LOW

Particular description of goods.—Fabric in the Piece, Such Fabric Being Composed Entirely of Wool or Other Animal Fibers.

Claims use since May 15, 1923.

Ser. No. 181,255. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

ROY

Particular description of goods.—Silk Piece Goods.

Claims use since Mar. 25, 1923.

Ser. No. 181,256. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

MAHARANI

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1923.

Ser. No. 181,257. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

MARAKECH

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1922.

Ser. No. 181,258. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

MAMELUCK

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1923.

Ser. No. 181,259. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

FEDOR

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1923.

Ser. No. 181,260. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

FAKIR

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1923.

Ser. No. 181,270. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed May 28, 1923.

TUDOR

Particular description of goods.—Nail Files, Toilet Tweezers, Nail Nippers, and Cuticle Nippers.
Claims use since July 1, 1922.

Ser. No. 181,279. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) INDEPENDENT DRUG COMPANY, Jacksonville, Fla. Filed May 28, 1923.

IDECO

Particular description of goods.—Water Bottles, Fountain Syringes, Screw-Capped Ice Bags, and Combination Water Bottle and Fountain Syringe.
Claims use since February, 1920.

Ser. No. 181,431. (CLASS 39. CLOTHING.) THE MAJESTIC CLOTHING COMPANY, New York, N. Y. Filed May 28, 1923.

Majestic Brand
CLOTHES

No claim being made to the exclusive right to the use of the words "Brand" or "Clothes."

Particular description of goods.—Men's, Young Men's, and Boys' Outer Suits, Topcoats, and Overcoats, Pants, and Knee Pants.

Claims use since 1920.

Ser. No. 181,867. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE REPUBLIC RUBBER COMPANY, Youngstown, Ohio. Filed June 11, 1923.

STAG

Particular description of goods.—Solid, Semisolid, and Pneumatic Elastic Tires and Inner Tubes.
Claims use since Nov. 3, 1921.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 17, 1923.

- 170,362. SHAMPOO. HYGIENIC LABORATORIES, Chicago, Ill.
Filed December 28, 1922. Serial No. 173,931. PUBLISHED APRIL 10, 1923.
- 170,363. HAIR TONICS. HYGIENIC LABORATORIES, Chicago, Ill.
Filed December 28, 1922. Serial No. 173,932. PUBLISHED APRIL 10, 1923.
- 170,364. PREPARATION FOR INFLUENZA. Mrs. L. A. BLACKBURN, Fort Worth, Tex.
Filed December 29, 1922. Serial No. 173,952. PUBLISHED APRIL 10, 1923.
- 170,365. BOYS' AND MEN'S CAPS. SAMUEL M. BLUMENFELD, New York, N. Y.
Filed December 29, 1922. Serial No. 173,953. PUBLISHED APRIL 3, 1923.
- 170,366. VACUUM TUBES. ELECTRAD CORPORATION OF AMERICA, New York, N. Y.
Filed December 29, 1922. Serial No. 173,960. PUBLISHED APRIL 3, 1923.
- 170,367. SMOKING TOBACCO. CHARLES B. PERKINS Co., Boston, Mass.
Filed December 29, 1922. Serial No. 173,980. PUBLISHED APRIL 10, 1923.
- 170,368. SUPPOSITORIES. THE DRUG PRODUCTS Co. Inc., Long Island City, N. Y.
Filed December 30, 1922. Serial No. 173,999. PUBLISHED APRIL 10, 1923.
- 170,369. SOFT DRINK. HURTY-PECK & Co., Indianapolis, Ind.
Filed December 30, 1922. Serial No. 174,011. PUBLISHED APRIL 10, 1923.
- 170,370. TOY WAGONS. ADDIS O. CANNON, doing business as Cannon Toy Factory, Kent, Ohio.
Filed January 1, 1923. Serial No. 174,053. PUBLISHED APRIL 10, 1923.
- 170,371. PLAYING CARDS. AKIN & AKIN, Fort Worth, Tex.
Filed January 2, 1923. Serial No. 174,056. PUBLISHED APRIL 10, 1923.
- 170,372. COMPOUND FOR COLORING ELECTRIC BULBS. MCKAY COMPANY, New York, N. Y.
Filed January 2, 1923. Serial No. 174,090. PUBLISHED APRIL 10, 1923.
- 170,373. PAGE IN A PUBLICATION—I. E., A PAGE IN A HOUSE ORGAN ISSUED FROM TIME TO TIME. TOLEDO SCALE COMPANY, Jersey City, N. J., and Toledo, Ohio.
Filed January 2, 1923. Serial No. 174,115. PUBLISHED APRIL 17, 1923.
- 170,374. SOFT DRINK. COMBIER & CIE., Saumur, France.
Filed January 4, 1923. Serial No. 174,166. PUBLISHED APRIL 10, 1923.
- 170,375. A GAME. PARKER BROTHERS, Portland, Me., and Salem, Mass.
Filed January 8, 1923. Serial No. 174,330. PUBLISHED APRIL 10, 1923.
- 170,376. SOFT DRINK. SAND SPRINGS BOTTLING Co., Tulsa, Okla.
Filed January 8, 1923. Serial No. 174,339. PUBLISHED APRIL 10, 1923.
- 170,377. TOY DOLLS. CORA EWALD, Brooklyn, N. Y.
Filed January 10, 1923. Serial No. 174,386. PUBLISHED APRIL 10, 1923.
- 170,378. DENTAL CROWNS COMPOSED OF ARTIFICIAL ENAMEL AND METAL. CENTRAL DENTAL LABORATORY Co. INCORPORATED, New York, N. Y.
Filed January 9, 1923. Serial No. 174,356. PUBLISHED APRIL 10, 1923.
- 170,379. SEWING THIMBLES. GOLDSMITH, STERN & Co., New York, N. Y.
Filed January 10, 1923. Serial No. 174,387. PUBLISHED MARCH 13, 1923.
- 170,380. RADIO EQUIPMENT, SPECIFICALLY CONDENSERS, GRID LEAKS, AND CONDENSER MOUNTINGS. ROBERT E. GOLL, doing business as European Radio Company, Brooklyn, N. Y.
Filed January 10, 1923. Serial No. 174,388. PUBLISHED APRIL 3, 1923.
- 170,381. MEN'S FELT, STRAW, CLOTH, AND SILK HATS AND CAPS. HANOVER-HALL COMPANY, New York, N. Y.
Filed January 10, 1923. Serial No. 174,389. PUBLISHED APRIL 3, 1923.
- 170,382. CANDIES. KING CANDY Co., Fort Worth, Tex.
Filed November 16, 1922. Serial No. 172,113. PUBLISHED APRIL 10, 1923.
- 170,383. COFFEE. SEHON, STEVENSON & COMPANY, Huntington, W. Va.
Filed November 4, 1922. Serial No. 171,595. PUBLISHED APRIL 10, 1923.
- 170,384. CANNED FRUITS AND CANNED BERRIES. THE PRODUCERS CANNING & PACKING Co., Salem, Oreg.
Filed November 3, 1922. Serial No. 171,550. PUBLISHED APRIL 10, 1923.
- 170,385. MASSAGE FOR THE FACE AND BODY. LOUIS PHILIPPE, New York, N. Y.
Filed October 10, 1922. Serial No. 170,542. PUBLISHED APRIL 10, 1923.
- 170,386. CORSETS AND BRASSIÈRES. CAMLIN CORSET Co. Inc., New York, N. Y.
Filed October 12, 1922. Serial No. 170,620. PUBLISHED APRIL 10, 1923.
- 170,387. SHOES MADE OF LEATHER. LEDERER & LATZ, doing business as The Barriermore Shop, New York, N. Y.
Filed October 12, 1922. Serial No. 170,655. PUBLISHED APRIL 3, 1923.
- 170,388. GRASS AND FIELD SEED. EGYPTIAN SEED GROWERS EXCHANGE, Flora, Ill.
Filed October 16, 1922. Serial No. 170,759. PUBLISHED APRIL 10, 1923.
- 170,389. HAT FRAMES. CAPITOL HAT FRAME WORKS, Des Moines, Iowa.
Filed October 17, 1922. Serial No. 170,807. PUBLISHED APRIL 3, 1923.
- 170,390. ULTRAMARINE BLUE. THE STANDARD ULTRAMARINE Co., Huntington, W. Va.
Filed October 18, 1922. Serial No. 170,905. PUBLISHED APRIL 10, 1923.

170,391. PROTECTIVE COVERING FOR ELECTRICAL WIRES. TUBULAR WOVEN FABRIC COMPANY, Pawtucket, R. I.
Filed October 18, 1922. Serial No. 170,913. PUBLISHED APRIL 3, 1923.

170,392. HATS AND CAPS. DISNEY HATS, New York, York, N. Y.
Filed October 26, 1922. Serial No. 171,209. PUBLISHED APRIL 3, 1923.

170,393. COUGH LOZENGES. ERNEST KEHR, Richmond Hill, New York, N. Y.
Filed October 28, 1922. Serial No. 171,326. PUBLISHED APRIL 10, 1923.

170,394. CERTAIN NAMED TOILET PREPARATIONS AND SALVE. THE MME. BERTHA M. HICKS MANUFACTURING Co., Indianapolis, Ind.
Filed October 30, 1922. Serial No. 171,365. PUBLISHED APRIL 3, 1923.

170,395. GLASS TEAPOTS. CORNING GLASS WORKS, Corning, N. Y.
Filed October 31, 1922. Serial No. 171,413. PUBLISHED APRIL 10, 1923.

170,396. LEATHER SHOES, FABRIC SHOES, AND SHOES MADE OF LEATHER OR FABRIC. CURTIS & JONES COMPANY, Reading, Pa.
Filed October 31, 1922. Serial No. 171,414. PUBLISHED APRIL 10, 1923.

170,397. BABY CARRIAGES AND GOCARTS. HEYWOOD-WAKEFIELD COMPANY, Gardner, Mass.
Filed November 1, 1922. Serial No. 171,458. PUBLISHED APRIL 10, 1923.

170,398. PREPARATION FOR THE TREATMENT OF PNEUMONIA. EMMA A. MORGAN, doing business as R. B. B. Company, North Charlotte, N. C.
Filed November 2, 1922. Serial No. 171,507. PUBLISHED APRIL 10, 1923.

170,399. SHOES, INSOLES, AND OUTER SOLES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF SAME. ALLEN-SPIEGEL SHOE MFG. Co., Belgium, Wis.
Filed November 3, 1922. Serial No. 171,519. PUBLISHED APRIL 10, 1923.

170,400. OIL FOR SALADS AND COOKING. THE AMERICAN COTTON OIL COMPANY, Union Township, near Guttenberg, N. J., and New York, N. Y.
Filed November 3, 1922. Serial No. 171,520. PUBLISHED APRIL 10, 1923.

170,401. CANNED FRUITS AND VEGETABLES. FILICE & PERRELLI CANNING Co., Gilroy, Calif.
Filed November 3, 1922. Serial No. 171,534. PUBLISHED APRIL 10, 1923.

170,402. MEDICINAL COMPOUND TO BE DISPENSED IN TABLET FORM FOR PROMOTING CALCIFICATION. J. HENRY HOLM, doing business as Calcorganic Laboratories, Chicago, Ill.
Filed November 3, 1922. Serial No. 171,539. PUBLISHED APRIL 10, 1923.

170,403. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,475. PUBLISHED APRIL 10, 1923.

170,404. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,473. PUBLISHED APRIL 10, 1923.

170,405. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,472. PUBLISHED APRIL 10, 1923.

170,406. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,470. PUBLISHED APRIL 10, 1923.

170,407. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,467. PUBLISHED APRIL 10, 1923.

170,408. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,468. PUBLISHED APRIL 10, 1923.

170,409. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,466. PUBLISHED APRIL 10, 1923.

170,410. SHOES MADE WHOLLY OR IN PART OF LEATHER. T. D. BARRY COMPANY, Brockton, Mass.
Filed December 18, 1922. Serial No. 173,460. PUBLISHED APRIL 3, 1923.

170,411. SHOES MADE OF LEATHER AND FABRIC AND A COMBINATION OF SAID MATERIALS. LEWIS L. KANN, doing business as Kann Manufacturing Co., New York, N. Y.
Filed December 16, 1922. Serial No. 173,426. PUBLISHED APRIL 3, 1923.

170,412. SHAMPOO. CONCENTRATED PRODUCTS CORPORATION, Carlstadt, N. J., and New York, N. Y.
Filed December 14, 1922. Serial No. 173,323. PUBLISHED APRIL 10, 1923.

170,413. DYES AND DYESTUFFS. H. A. METZ & Co., INC., New York, N. Y.
Filed December 12, 1922. Serial No. 173,238. PUBLISHED APRIL 10, 1923.

170,414. A CERTAIN NAMED MEDICINAL PREPARATION. WOLTER V. PATEYCHUK, doing business as W. V. Patty, Altoona, Pa.
Filed December 11, 1922. Serial No. 173,206. PUBLISHED APRIL 10, 1923.

170,415. MEDICINAL PREPARATIONS FOR THE TREATMENT OF GLANDULAR DEFICIENCY. G. W. CARNRICK Co., New York, N. Y.
Filed December 9, 1922. Serial No. 173,127. PUBLISHED APRIL 10, 1923.

170,416. METALLIC SOLDERING ALLOYS. SIEGFRIED PFYFFER, Zurich, Switzerland.
Filed December 7, 1922. Serial No. 173,053. PUBLISHED APRIL 17, 1923.

170,417. SALVE TO BE APPLIED EXTERNALLY FOR BURNS, WOUNDS, STRAINS, SPRAINS, AND ACHES. A. J. KRANK MFG. Co., St. Paul, Minn.
Filed December 7, 1922. Serial No. 173,050. PUBLISHED APRIL 10, 1923.

170,418. NASAL SOLUTION, A LOUCHE THEREFOR, AND A PACKAGE CONTAINING BOTH. ROSEBRAND Co., Atlantic City, N. J.
Filed December 6, 1922. Serial No. 173,008. PUBLISHED APRIL 10, 1923.

170,419. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, Portland, Me., and Salem, Mass.
Filed December 5, 1922. Serial No. 172,955. PUBLISHED APRIL 10, 1923.

170,420. PROCESSED CEREAL BINDER AND A PASTE FOR FORMING CORE COMPOUNDS USED IN THE CASTING OF METALS. DANIEL T. McGRORY, doing business as Ceres Core Binder Company, Chicago, Ill.
Filed December 5, 1922. Serial No. 172,952. PUBLISHED APRIL 10, 1923.

- 170,421. APPAREL BELTS. HARRIS SUSPENDER COMPANY, New York, N. Y.
Filed December 5, 1922. Serial No. 172,944. PUBLISHED APRIL 3, 1923.
- 170,422. BLUING COMPOUND AND LIQUID BLUING. KING H. WALL, Goldsboro, N. C.
Filed November 29, 1922. Serial No. 172,697. PUBLISHED APRIL 10, 1923.
- 170,423. CANNED FRUITS. VIRDEN PACKING COMPANY, San Francisco, Calif.
Filed November 15, 1922. Serial No. 172,068. PUBLISHED APRIL 10, 1923.
- 170,424. COMPOUND FOR THE DESULPHURIZATION AND DEOXIDATION OF MOLTEN METALS. WILLIAM A. ROSENBERGER, doing business as William A. Rosenberger Chemical Products Company, New York, N. Y.
Filed November 15, 1922. Serial No. 172,059. PUBLISHED APRIL 10, 1923.
- 170,425. VERMIFUGE. WELCH & MARKER, Ionia, Mich.
Filed November 14, 1922. Serial No. 172,022. PUBLISHED APRIL 10, 1923.
- 170,426. EMULSION OF PETROLEUM COMBINED WITH HYPOPHOSPHITES. ROBERT E. O'REAR, doing business as John D. Bear Company, Clearbrook, Va.
Filed November 15, 1922. Serial No. 172,051. PUBLISHED APRIL 10, 1923.
- 170,427. PROPHYLACTICS. RETAILERS' MANUFACTURING CORPORATION, Wilmington, Del.; Chicago, Ill.; and Tulsa, Okla.
Filed November 14, 1922. Serial No. 172,014. PUBLISHED APRIL 10, 1923.
- 170,428. DRESS AND SPORT SHOES. WHITEHOUSE & HARDY, INC., New York, N. Y.
Filed November 13, 1922. Serial No. 171,972. PUBLISHED APRIL 10, 1923.
- 170,429. ELECTROLYTE COMPOUND FOR STORAGE BATTERIES. CHARLES E. LUBURG, doing business as "J-E" Storage Battery Company, Philadelphia, Pa.
Filed November 13, 1922. Serial No. 171,933. PUBLISHED APRIL 10, 1923.
- 170,430. CANDY. AMBROSIA CHOCOLATE Co., Milwaukee, Wis.
Filed November 13, 1922. Serial No. 171,887. PUBLISHED APRIL 10, 1923.
- 170,431. A CERTAIN NAMED MEDICINAL PREPARATION. AMERICAN CHEMICAL & DRUG Co., Olyphant, Pa.
Filed November 13, 1922. Serial No. 171,889. PUBLISHED APRIL 10, 1923.
- 170,432. MISSES' AND LADIES' HATS. C-R MILLINERY Co., Chicago, Ill.
Filed November 13, 1922. Serial No. 171,905. PUBLISHED APRIL 10, 1923.
- 170,433. CANNED FRUITS AND VEGETABLES. FRED B. NEUHOFF, doing business as Fred B. Neuhoff Company, Los Angeles, Calif.
Filed November 11, 1922. Serial No. 171,860. PUBLISHED APRIL 10, 1923.
- 170,434. LAXATIVE CHEWING GUM. HEALTH PRODUCTS CORPORATION, New York, N. Y.
Filed November 8, 1922. Serial No. 171,732. PUBLISHED APRIL 10, 1923.
- 170,435. SHOES OF COMBINATION OF LEATHER AND RUBBER AND OF RUBBER AND FABRIC. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed November 7, 1922. Serial No. 171,704. PUBLISHED APRIL 10, 1923.
- 170,436. LEATHER—VIZ, BENDS, BLOCKS, STRIPS, AND OFFAL. WILLIAM GRAHAM, New York, N. Y.
Filed November 7, 1922. Serial No. 171,693. PUBLISHED APRIL 10, 1923.
- 170,437. TILLERS COMPRISING A PLOW AND SOIL DISINTEGRATOR. SCIENTIFIC FARMING MACHINERY COMPANY, Minneapolis, Minn.
Filed November 6, 1922. Serial No. 171,660. PUBLISHED MARCH 13, 1923.
- 170,438. MEN'S LEATHER GLOVES. JOHN WANAMAKER, New York, New York, N. Y.
Filed November 4, 1922. Serial No. 171,602. PUBLISHED APRIL 10, 1923.
- 170,439. MEN'S LEATHER GLOVES. JOHN WANAMAKER, New York, New York, N. Y.
Filed November 4, 1922. Serial No. 171,601. PUBLISHED APRIL 10, 1923.
- 170,440. POWDER USED AS WATER SOFTENER. DAKOTA COMPOUND COMPANY, Pierre, S. Dak.
Filed November 16, 1922. Serial No. 172,084. PUBLISHED APRIL 10, 1923.
- 170,441. BONELESS SALT CODFISH. DEEP SEA FISHERIES, INC., Rockland, Me.
Filed November 16, 1922. Serial No. 172,085. PUBLISHED APRIL 10, 1923.
- 170,442. CANNED CHERRIES. HOOD RIVER CANNING Co., Hood River, Ore.
Filed November 16, 1922. Serial No. 172,093. PUBLISHED APRIL 10, 1923.
- 170,443. CANDIES. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash.
Filed November 16, 1922. Serial No. 172,119. PUBLISHED APRIL 10, 1923.
- 170,444. MINCEMEAT. THOMAS F. B. SOTHAM, St. Clair, Mich.
Filed November 16, 1922. Serial No. 172,126. PUBLISHED APRIL 10, 1923.
- 170,445. HYDROCARBON BLACK USED AS A BASE IN THE MANUFACTURE OF PAINTS, VARNISH, AND SIMILAR COLORING MATTER. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La.
Filed November 16, 1922. Serial No. 172,133. PUBLISHED APRIL 10, 1923.
- 170,446. SALAD VEGETABLE OIL. RELIABLE IMPORTING COMPANY, INC., New York, N. Y.
Filed November 17, 1922. Serial No. 172,174. PUBLISHED APRIL 10, 1923.
- 170,447. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH. MAILLIARD & SCHMIEDELL, San Francisco, Calif.
Filed November 18, 1922. Serial No. 172,232. PUBLISHED APRIL 10, 1923.
- 170,448. CANDY. THE BRECHT CANDY COMPANY, Denver, Colo.
Filed November 18, 1922. Serial No. 172,199. PUBLISHED APRIL 10, 1923.
- 170,449. MAYONNAISE. ATMORE AND SON, INC., Philadelphia, Pa.
Filed November 18, 1922. Serial No. 172,196. PUBLISHED APRIL 10, 1923.
- 170,450. NATURAL AND SYNTHETIC ESSENTIAL OILS AND MATERIALS SUITABLE FOR THE PRODUCTION OF PERFUMES. POLAK'S FRUTAL WORKS, Amersfoort, Netherlands.
Filed November 18, 1922. Serial No. 172,240. PUBLISHED APRIL 10, 1923.
- 170,451. CERTAIN NAMED GLASSWARE. JEANNETTE GLASS COMPANY, Jeannette, Pa.
Filed November 20, 1922. Serial No. 172,277. PUBLISHED APRIL 3, 1923.
- 170,452. WOMAN'S TONIC IN THE TREATMENT OF THE WEAKNESSES AND DISORDERS OF THE FEMALE GENERATIVE ORGANS. MODERN PHARMACAL Co., INC., New York, N. Y.
Filed November 20, 1922. Serial No. 172,282. PUBLISHED APRIL 10, 1923.

170,453. BLOOD MAKER AND GENERAL TONIC. MODERN PHARMACAL Co., Inc., New York, N. Y. Filed November 20, 1922. Serial No. 172,283. PUBLISHED APRIL 10, 1923.

170,454. COMPOUND FOR OPENING CLOGGED PIPES, TRAPS, DRAINS, AND THE LIKE. WHITE HOUSE PRODUCTS Co., Chicago, Ill. Filed November 20, 1922. Serial No. 172,305. PUBLISHED APRIL 10, 1923.

170,455. CERTAIN NAMED JEWELRY. WILLIAM C. GREENE COMPANY, Providence, R. I. Filed November 21, 1922. Serial No. 172,331. PUBLISHED APRIL 3, 1923.

170,456. CERTAIN NAMED PIECE GOODS. RICHARDSON DRY GOODS Co., St. Joseph, Mo. Filed November 21, 1922. Serial No. 172,351. PUBLISHED APRIL 10, 1923.

170,457. CIGARS. SWINT, DAVIS & DAVIS, Atlanta, Ga. Filed November 21, 1922. Serial No. 172,362. PUBLISHED APRIL 10, 1923.

170,458. STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS. SIMSON & FREY, INC., New York, N. Y. Filed November 25, 1922. Serial No. 172,561. PUBLISHED APRIL 3, 1923.

170,459. CLAY FOR FACIAL TREATMENT. ALADDIN MYSTIC BEAUTY COMPANY, Grand Rapids, Mich. Filed November 27, 1922. Serial No. 172,572. PUBLISHED APRIL 10, 1923.

170,460. LUBRICATING OILS, GREASES, AND COMPOUNDS AND OTHER DISTILLATES OF PETROLEUM. INDIAN REFINING COMPANY INC., New York, N. Y. Filed November 27, 1922. Serial No. 172,596. PUBLISHED APRIL 10, 1923.

170,461. GASOLINE. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed November 29, 1922. Serial No. 172,691. PUBLISHED APRIL 3, 1923.

170,462. TOILET PREPARATION FOR THE REMOVAL OF SUPERFLUOUS HAIR. THE LOWELL COMPANY, New York, N. Y. Filed December 31, 1921. Serial No. 157,375. PUBLISHED APRIL 10, 1923.

170,463. TOILET PREPARATION TO DARKEN AND GROW EYELASHES. THE LOWELL COMPANY, New York, N. Y. Filed December 31, 1921. Serial No. 157,376. PUBLISHED APRIL 10, 1923.

170,464. PORTABLE METALLIC HOLDERS FOR BEVERAGE CONTAINERS, SUCH AS TUMBLERS AND BOTTLES. ROBERT G. MITCHELL, doing business as The Agripa Company, New York, N. Y. Filed April 4, 1922. Serial No. 161,733. PUBLISHED APRIL 17, 1923.

170,465. BASE-METAL WIRE. PAGE STEEL & WIRE COMPANY, Adrian, Mich., and Bridgeport, Conn. Filed April 20, 1922. Serial No. 162,646. PUBLISHED APRIL 17, 1923.

170,466. BREAD WRAPPERS. POTTER-WRIGHTINGTON, INC., Charlestown, Boston, Mass. Filed May 20, 1922. Serial No. 164,187. PUBLISHED APRIL 10, 1923.

170,467. LEAD AND PAPER CRAYON PENCILS. UNITED STATES PENCIL Co., Philadelphia, Pa. Filed June 30, 1922. Serial No. 166,334. PUBLISHED APRIL 10, 1923.

170,468. MACARONI AND OLIVE OIL. KURTZ BROTHERS, Philadelphia, Pa. Filed July 17, 1922. Serial No. 167,002. PUBLISHED APRIL 17, 1923.

170,469. VACUUM TANK FLOATS. J. H. COHEN, doing business as The Connecticut Automotive Specialties Co. Inc., Bridgeport, Conn. Filed August 5, 1922. Serial No. 167,840. PUBLISHED APRIL 17, 1923.

170,470. FLEXIBLE OR HINGED BELT FASTENERS. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill. Filed August 7, 1922. Serial No. 167,870. PUBLISHED APRIL 17, 1923.

170,471. POPPET VALVES. THE TOLEDO STEEL PRODUCTS Co., Toledo, Ohio. Filed September 1, 1922. Serial No. 168,991. PUBLISHED APRIL 17, 1923.

170,472. PUMP OUTFITS FOR DISPENSING LUBRICANTS AND OTHER FLUIDS, PARTS THEREOF, AND FITTINGS THEREFOR. THE CLEVELAND STEEL BARREL COMPANY, Cleveland, Ohio. Filed October 23, 1922. Serial No. 171,063. PUBLISHED APRIL 17, 1923.

170,473. COOLING CHEST. KEYNOTE MANUFACTURING Co. Inc., Indianapolis, Ind. Filed October 23, 1922. Serial No. 171,086. PUBLISHED APRIL 10, 1923.

170,474. HAMMERS, HATCHETS, SHOVELS, SCREW DRIVERS, AND CHISELS. BENJAMIN LURYE, doing business as B. Lurye & Co., Chicago, Ill. Filed October 26, 1922. Serial No. 171,226. PUBLISHED APRIL 17, 1923.

170,475. DUTCH OVENS. THE GRISWOLD MANUFACTURING COMPANY, Erie, Pa. Filed November 17, 1922. Serial No. 172,156. PUBLISHED APRIL 17, 1923.

170,476. CERTAIN NAMED TOOLS AND IMPLEMENTS. MARKT & HAMMACHER COMPANY, New York, N. Y. Filed November 18, 1922. Serial No. 172,233. PUBLISHED APRIL 17, 1923.

170,477. NICKEL AND ALLOYS OF NICKEL IN INGOTS, SHEETS, AND WIRE. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England. Filed November 29, 1922. Serial No. 172,701. PUBLISHED APRIL 17, 1923.

170,478. UNWROUGHT AND PARTLY-WROUGHT METALS USED FOR ELECTRICAL PURPOSES. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England. Filed November 29, 1922. Serial No. 172,702. PUBLISHED APRIL 17, 1923.

170,479. NICKEL STEEL IN THE FORM OF PLATES, SHEETS, BARS, RODS, WIRE, AND THE LIKE. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England. Filed November 29, 1922. Serial No. 172,703. PUBLISHED APRIL 17, 1923.

170,480. NICKEL-CHROME ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England. Filed November 29, 1922. Serial No. 172,704. PUBLISHED APRIL 17, 1923.

170,481. NICKEL-CHROME ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England. Filed November 29, 1922. Serial No. 172,705. PUBLISHED APRIL 17, 1923.

170,482. PAPER RECEPTACLES. THE RAYMOND BAG COMPANY, Middletown, Ohio. Filed November 29, 1922. Serial No. 172,687. PUBLISHED APRIL 17, 1923.

170,483. CANDY. THE GEORGE CLOSE Co., Cambridge, Mass. Filed November 25, 1922. Serial No. 172,517. PUBLISHED APRIL 17, 1923.

- 170,484. COFFEE. GEORGE GUND, doing business as Hygienic Coffee Company, Cleveland, Ohio.
Filed November 25, 1922. Serial No. 172,529. PUBLISHED APRIL 17, 1923.
- 170,485. APPLICATORS FOR THE LIPS, MORE PARTICULARLY MECHANICAL DEVICES FOR APPLYING COSMETICS, PARTICULARLY ROUGE, TO THE LIPS. A. AND G. Co., St. Louis, Mo.
Filed November 23, 1922. Serial No. 172,409. PUBLISHED APRIL 17, 1923.
- 170,486. BOOTS AND SHOES MADE OF LEATHER. SAMUEL ALEXANDER, Philadelphia, Pa.
Filed November 23, 1922. Serial No. 172,410. PUBLISHED APRIL 17, 1923.
- 170,487. TIRES AND INNER TUBES OF RUBBER COMPOUND. LEO L. CHADWIN, doing business as Gem Tire & Rubber Company, Philadelphia, Pa.
Filed November 25, 1922. Serial No. 172,512. PUBLISHED APRIL 24, 1923.
- 170,488. CANDY. THE GEORGE CLOSE Co., Cambridge, Mass.
Filed November 25, 1922. Serial No. 172,516. PUBLISHED APRIL 17, 1923.
- 170,489. MOTOR TRUCKS AND AUTOMOBILES. GRAHAM BROTHERS, Evansville, Ind.
Filed November 20, 1922. Serial No. 172,272. PUBLISHED MAY 1, 1923.
- 170,490. BOTTLES, VIALS, PACKAGES, OR CASES CONTAINING TOILET ARTICLES. HARLEQUIN PARFUMERIE COMPAGNIE, New York, N. Y.
Filed October 25, 1922. Serial No. 171,167. PUBLISHED APRIL 17, 1923.
- 170,491. TAPIOCA. HAAS BARUCH & Co., Los Angeles, Calif.
Filed October 28, 1922. Serial No. 171,317. PUBLISHED APRIL 24, 1923.
- 170,492. TOY BALLS. RADIO BALL COMPANY, Lebanon, Pa.
Filed November 10, 1922. Serial No. 171,815. PUBLISHED FEBRUARY 6, 1923.
- 170,493. WIND SCREENS FOR USE WITH VEHICLES. EASTING WINDSCREENS LIMITED, Birmingham, England.
Filed November 14, 1922. Serial No. 171,987. PUBLISHED APRIL 24, 1923.
- 170,494. CERTAIN NAMED NOTIONS. SAMSTAG & HILDER BROS., New York, N. Y.
Filed November 15, 1922. Serial No. 172,060. PUBLISHED APRIL 24, 1923.
- 170,495. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,381. PUBLISHED APRIL 24, 1923.
- 170,496. SOAPS. KENDALL MFG. Co., Providence, R. I.
Filed October 9, 1922. Serial No. 170,487. PUBLISHED APRIL 24, 1923.
- 170,497. LIME. KIMBALTON LIME COMPANY, INC., Kimballton, Va.
Filed October 17, 1922. Serial No. 170,822. PUBLISHED APRIL 17, 1923.
- 170,498. GAS-GENERATING MEANS. SAMUEL PRICE WETHERILL, Jr., Philadelphia, Pa.
Filed October 17, 1922. Serial No. 170,848. PUBLISHED APRIL 17, 1923.
- 170,499. POLISHING COMPOSITIONS, IN THE FORM OF POWDER, PASTE, AND LIQUID, FOR METAL. E. REED BURNS MANUFACTURING CORP., Brooklyn, N. Y.
Filed October 21, 1922. Serial No. 171,009. PUBLISHED APRIL 24, 1923.
- 170,500. HAIR TONIC. ABRAHAM E. GLICKMAN, Brooklyn, N. Y.
Filed October 21, 1922. Serial No. 171,017. PUBLISHED APRIL 17, 1923.
- 170,501. BABY CARRIAGES. WESTFIELD MANUFACTURING COMPANY, Westfield, Mass.
Filed October 21, 1922. Serial No. 171,051. PUBLISHED APRIL 17, 1923.
- 170,502. SILK PIECE GOODS. H. R. MALLINSON & Co. Inc., New York, N. Y.
Filed December 9, 1922. Serial No. 173,139. PUBLISHED APRIL 24, 1923.
- 170,503. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,122. PUBLISHED APRIL 17, 1923.
- 170,504. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,116. PUBLISHED APRIL 17, 1923.
- 170,505. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,120. PUBLISHED APRIL 17, 1923.
- 170,506. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,121. PUBLISHED APRIL 17, 1923.
- 170,507. MACARONI PRODUCTS, CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, EVAPORATED MILK, CANNED SOUP, FRUIT MARMA-LADES, AND PICKLES. FONTANA FOOD PRODUCTS COMPANY, San Francisco, Calif.
Filed December 4, 1922. Serial No. 172,872. PUBLISHED APRIL 17, 1923.
- 170,508. DEHYDRATED APPLES. WASHINGTON DEHYDRATED FOOD Co., Yakima, Wash.
Filed December 4, 1922. Serial No. 172,919. PUBLISHED APRIL 17, 1923.
- 170,509. SPRAYERS FOR MEDICINAL USE. THE OSTRA CORPORATION, New York, N. Y.
Filed December 5, 1922. Serial No. 172,954. PUBLISHED APRIL 17, 1923.
- 170,510. PAINTS—NAMELY, DRY, PASTE, SEMI-PASTE, AND READY MIXED—AND VARNISHES. OLIVER REEDER & SON, INC., Proprietors of The Baltimore Copper Paint Company, Baltimore, Md.
Filed December 6, 1922. Serial No. 173,006. PUBLISHED APRIL 17, 1923.
- 170,511. CANDY. HALLIGAN CANDY COMPANY, Davenport, Iowa.
Filed December 7, 1922. Serial No. 173,043. PUBLISHED APRIL 17, 1923.
- 170,512. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,114. PUBLISHED APRIL 17, 1923.
- 170,513. COUGH MIXTURE FOR HUMAN USE. SQUIRE AND Co. BIRMINGHAM LIMITED, Stirchley, Birmingham, England.
Filed December 1, 1922. Serial No. 172,776. PUBLISHED APRIL 17, 1923.

- 170,514. DRY, PASTE, AND READY-MIXED PAINTS AND VARNISHES. ST. LOUIS SURFACER & PAINT COMPANY, St. Louis, Mo.
Filed December 1, 1922. Serial No. 172,777. PUBLISHED APRIL 17, 1923.
- 170,515. CANNED SALMON. ARTHUR A. ANDERSON, doing business as Arthur Anderson Fish Co., Astoria, Oreg.
Filed December 2, 1922. Serial No. 172,821. PUBLISHED APRIL 17, 1923.
- 170,516. FRESH CITROUS FRUITS. ARIZONA CITRUS GROWERS' CO., Phoenix, Ariz.
Filed December 4, 1922. Serial No. 172,857. PUBLISHED APRIL 17, 1923.
- 170,517. NICKEL AND MANGANESE ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,707. PUBLISHED APRIL 17, 1923.
- 170,518. PICKLES. AMERICAN PICKLE & CANNING COMPANY, Hattiesburg, Miss.
Filed December 1, 1922. Serial No. 172,716. PUBLISHED APRIL 17, 1923.
- 170,519. WOOLEN FOOTBALL BLANKETS. JAMES W. BRINE COMPANY, Boston, Mass.
Filed December 1, 1922. Serial No. 172,728. PUBLISHED APRIL 17, 1923.
- 170,520. SALAD AND COOKING OIL MADE FROM CRUSHED PEANUTS. HORACE E. HAVENS, Chicago, Ill.
Filed December 1, 1922. Serial No. 172,738. PUBLISHED APRIL 17, 1923.
- 170,521. TEA. JOANNES BROS. CO., Green Bay, Wis.
Filed December 1, 1922. Serial No. 172,743. PUBLISHED APRIL 17, 1923.
- 170,522. WALL OR PLASTER BOARD. SAMUEL A. BLAIR, doing business as Blair Lumber Company, New York, N. Y.
Filed January 18, 1923. Serial No. 174,723. PUBLISHED APRIL 17, 1923.
- 170,523. BLOTTING PAPER. STANDARD PAPER MANUFACTURING CO., Richmond, Va.
Filed January 17, 1923. Serial No. 174,704. PUBLISHED APRIL 17, 1923.
- 170,524. CERTAIN NAMED SOAP COMPOUNDS. EUGENE A. SPRAGUE, doing business as Sprague Manufacturing Co., San Francisco, Calif.
Filed January 15, 1923. Serial No. 174,641. PUBLISHED APRIL 24, 1923.
- 170,525. BLOTTING PAPER. STANDARD PAPER MANUFACTURING CO., Richmond, Va.
Filed January 17, 1923. Serial No. 174,703. PUBLISHED APRIL 17, 1923.
- 170,526. SANITARY NAPKINS MADE FROM COTTON LINTERS PROCESSED WITH FILLING COVERED WITH KNITTED TUBING. ROGER WELTY NAYLOR, Chicago, Ill.
Filed January 15, 1923. Serial No. 174,629. PUBLISHED APRIL 24, 1923.
- 170,527. SILK PIECE GOODS. H. R. MALLINSON & CO. INC., New York, N. Y.
Filed December 30, 1922. Serial No. 174,020. PUBLISHED APRIL 17, 1923.
- 170,528. NURSERY PRODUCTS—NAMELY, TREES, SHRUBS, ROSES, VINES, PERENNIALS, AND BULBS. PFUND NURSERY CO., Oak Park, Ill.
Filed December 30, 1922. Serial No. 174,028. PUBLISHED APRIL 24, 1923.
- 170,529. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. THOMAS S. SMITH, Chicago, Ill.
Filed December 30, 1922. Serial No. 174,038. PUBLISHED APRIL 24, 1923.
- 170,530. NEEDLES OR STYL FOR SOUND-REPRODUCING MACHINES KNOWN AS PHONOGRAPHS. S. WILENSKY, London, England.
Filed January 5, 1923. Serial No. 174,225. PUBLISHED FEBRUARY 20, 1923.
- 170,531. LUBRICATING OILS. AMERICAN OIL CORPORATION, Jackson, Mich.
Filed January 8, 1923. Serial No. 174,277. PUBLISHED MARCH 27, 1923.
- 170,532. COMBINATION INDEX AND SALES-DATA BOOK PUBLISHED PERIODICALLY. A. G. McMILLAN, doing business as Sales Equipment Company, Detroit, Mich.
Filed January 8, 1923. Serial No. 174,318. PUBLISHED APRIL 24, 1923.
- 170,533. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 8, 1923. Serial No. 174,321. PUBLISHED APRIL 24, 1923.
- 170,534. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 8, 1923. Serial No. 174,322. PUBLISHED APRIL 24, 1923.
- 170,535. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 8, 1923. Serial No. 174,323. PUBLISHED APRIL 24, 1923.
- 170,536. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 8, 1923. Serial No. 174,324. PUBLISHED APRIL 24, 1923.
- 170,537. PAINTS (READY MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed January 10, 1923. Serial No. 174,413. PUBLISHED APRIL 17, 1923.
- 170,538. WASHED AND DRIED UNVULCANIZED GUAYULE RUBBER. CONTINENTAL RUBBER COMPANY OF NEW YORK, New York, N. Y.
Filed January 11, 1923. Serial No. 174,427. PUBLISHED APRIL 24, 1923.
- 170,539. TEXTILE CARPETS. AETNA CARPET CO., New York, N. Y.
Filed January 12, 1923. Serial No. 174,504. PUBLISHED APRIL 17, 1923.
- 170,540. LEATHER SHOES. EDMONDS SHOE COMPANY, Milwaukee, Wis.
Filed January 12, 1923. Serial No. 174,514. PUBLISHED APRIL 17, 1923.
- 170,541. COTTON PIECE GOODS. WEINER BROTHERS, INC., New York, N. Y.
Filed January 12, 1923. Serial No. 174,550. PUBLISHED APRIL 17, 1923.
- 170,542. BREAD. ZINSMASER BAKING COMPANY, St. Paul, Minn.
Filed September 3, 1920. Serial No. 136,822. PUBLISHED MAY 24, 1921.
- 170,543. OINTMENT FOR THE TREATMENT OF RHEUMATISM, SPRAINS, SORES, BURNS, AND PILES. HENRIETTA C. FRONK, Schenectady, N. Y.
Filed December 13, 1922. Serial No. 173,281. PUBLISHED MAY 1, 1923.
- 170,544. CARTOONS, ADVERTISING CARTOONS, AND ILLUSTRATIONS. INTERNATIONAL ASSOCIATION OF MACHINISTS, doing business as Ad-Pep Printing and Publishing Co., Washington, D. C.
Filed January 19, 1922. Serial No. 158,121. PUBLISHED APRIL 24, 1923.
- 170,545. HOPS. J. SONNENSCHN HOP COMPANY, INC., New York, N. Y.
Filed December 9, 1922. Serial No. 173,149. PUBLISHED APRIL 24, 1923.

170,546. RUBBER TIRES. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed December 11, 1922. Serial No. 173,186. PUBLISHED APRIL 24, 1923.

170,547. FLOOR TRUCKS. WALTER M. NUTTING, doing business as Nutting Truck Company, Faribault, Minn.
Filed December 12, 1922. Serial No. 173,240. PUBLISHED APRIL 17, 1923.

170,548. ROPE. WHITLOCK CORDAGE Co., Jersey City, N. J., and New York, N. Y.
Filed December 12, 1922. Serial No. 173,265. PUBLISHED MARCH 20, 1923.

170,549. CANDY. FRANK LEO BERG, Alton, Ill.
Filed December 13, 1922. Serial No. 173,289. PUBLISHED APRIL 24, 1923.

170,550. AUTOMOBILE TOP DRESSING. JOSEPH H. MORRILL, Portsmouth, N. H.
Filed December 15, 1922. Serial No. 173,360. PUBLISHED APRIL 24, 1923.

170,551. CANDY. A. G. MORSE COMPANY, Chicago, Ill.
Filed December 16, 1922. Serial No. 173,438. PUBLISHED APRIL 24, 1923.

170,552. YEAST FOOD. WARD BAKING COMPANY, New York, N. Y.
Filed December 19, 1922. Serial No. 173,586. PUBLISHED APRIL 24, 1923.

170,553. TRACTORS AND ATTACHMENTS AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed December 21, 1922. Serial No. 173,649. PUBLISHED APRIL 17, 1923.

170,554. CANNED FRUITS AND CANNED VEGETABLES. FRED B. NEUHOFF, doing business as Fred B. Neuhoff Company, Los Angeles, Calif.
Filed December 21, 1922. Serial No. 173,657. PUBLISHED APRIL 24, 1923.

170,555. FINISHING AND POLISHING MATERIALS IN THE NATURE OF A VARNISH. SHERATONE PRODUCTS CORPORATION, New York, N. Y.
Filed December 21, 1922. Serial No. 173,678. PUBLISHED APRIL 17, 1923.

170,556. CLEANING FLUID FOR DRY-CLEANING FABRICS, LEATHER, AND THE LIKE. THE GLO-TEX COMPANY, Indianapolis, Ind.
Filed December 23, 1922. Serial No. 173,763. PUBLISHED APRIL 24, 1923.

170,557. PEANUT JAM. HONEY PRODUCTS Co., Tustin, Calif.
Filed December 23, 1922. Serial No. 173,769. PUBLISHED APRIL 24, 1923.

170,558. CANNED FRUITS. THOMAS-BODY Co., Oakland, Calif.
Filed December 23, 1922. Serial No. 173,792. PUBLISHED APRIL 24, 1923.

170,559. SPRING BEDS, MATTRESSES, COTS, AND METAL BEDSTEADS. SOUTHERN SPRING BED COMPANY, Atlanta, Ga.
Filed December 26, 1922. Serial No. 173,859. PUBLISHED APRIL 24, 1923.

170,560. RING BOOKS, LEATHER COIN POUCHES, LEATHER KEY CASES, AND SPECIAL LEATHER LETTER COVERS. LEATHER PRODUCTS & FINISHING Co., Los Angeles, Calif.
Filed December 27, 1922. Serial No. 173,902. PUBLISHED APRIL 17, 1923.

170,561. LUBRICATING OILS AND GREASES, GASOLINE; MOTOR SPIRIT, A VOLATILE FUEL COMPOSITION DERIVED FROM PETROLEUM; KEROSENE, DISTILLATE, BENZINE. PETROLEUM PRODUCTS Co., San Francisco, Calif.
Filed December 27, 1922. Serial No. 173,904. PUBLISHED APRIL 17, 1923.

170,562. SECTION OF A MONTHLY PERIODICAL. BERNICE CHALLENGER BOST, Chicago, Ill.
Filed December 28, 1922. Serial No. 173,910. PUBLISHED APRIL 17, 1923.

170,563. CERTAIN NAMED SOAPS AND OTHER CLEANERS. KERMUL PRODUCTS, INC., New York, N. Y.
Filed December 29, 1922. Serial No. 173,968. PUBLISHED APRIL 24, 1923.

170,564. POWDER FOR BATHING, WASHING, AND CLEANING PURPOSES. WILLIAM E. BRACKETT, Toledo, Ohio.
Filed December 30, 1922. Serial No. 173,994. PUBLISHED APRIL 24, 1923.

170,565. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed February 3, 1922. Serial No. 158,822. PUBLISHED APRIL 17, 1923.

170,566. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed February 3, 1922. Serial No. 158,823. PUBLISHED APRIL 17, 1923.

170,567. CANNED FRUITS AND CANNED VEGETABLES. JOHN W. MCCARTHY, JR. INC., San Francisco, Calif.
Filed May 4, 1922. Serial No. 163,341. PUBLISHED APRIL 17, 1923.

170,568. BABY PANTS OR DIAPER COVERS. SOL H. SHONINGER, doing business as The Solvos Company, Chicago, Ill.
Filed May 11, 1922. Serial No. 163,709. PUBLISHED OCTOBER 24, 1922.

170,569. CANNED FISH, TOMATOES, TOMATO SAUCE AND PASTE, STRING BEANS, GREEN PEAS, OLIVES, SALAD OIL. SAVOY IMPORTING Co., INC., New York, N. Y.
Filed May 11, 1922. Serial No. 163,711. PUBLISHED APRIL 24, 1923.

170,570. FACIAL AND TOILET PREPARATIONS—NAMESLY, TOILET POWDER. MARGUERITE SULLIVAN, doing business as Domino House, Philadelphia, Pa.
Filed May 29, 1922. Serial No. 164,677. PUBLISHED OCTOBER 10, 1922.

170,571. ROPE AND TWINE OF ALL KINDS. THE JOHNSON PICKETT ROPE Co., Manila, Philippine Islands.
Filed June 3, 1922. Serial No. 164,920. PUBLISHED APRIL 17, 1923.

170,572. ROPE AND TWINE OF ALL KINDS. THE JOHNSON PICKETT ROPE Co., Manila, Philippine Islands.
Filed June 3, 1922. Serial No. 164,921. PUBLISHED APRIL 17, 1923.

170,573. MALTED CHOCOLATE MILK DRINK. WEBER MILK COMPANY, Indianapolis, Ind.
Filed June 10, 1922. Serial No. 165,320. PUBLISHED APRIL 17, 1923.

170,574. WOOD ROLLING PARTITIONS IN BUILDINGS, FOR DOORS, WARDROBES, AND THE LIKE. JOHN W. MONROE, Lima, Ohio.
Filed July 10, 1922. Serial No. 166,705. PUBLISHED APRIL 17, 1923.

170,575. STORAGE BATTERIES. GEORGE M. BIEHL, doing business as Liberty Storage Battery Company, Pottsville, Pa.
Filed July 25, 1922. Serial No. 167,347. PUBLISHED APRIL 3, 1923.

170,576. CANNED PRESERVED FRUITS, JAMS, JELLIES, AND FRUIT SIRUPS FOR FOOD PURPOSES. THE SAN FRANCISCO BREWERIES, LTD., San Francisco, Calif., assignor to Wielands Incorporated, a Corporation of California.
Filed July 25, 1922. Serial No. 167,368. PUBLISHED APRIL 24, 1923.

- 170,577. MALT SIRUP FOR FOOD PURPOSES. PRIMA MALT PRODUCTS Co., Chicago, Ill.
Filed July 26, 1922. Serial No. 167,420. PUBLISHED APRIL 24, 1923.
- 170,578. OIL, USED IN MAKING HIGH-GLOSS VARNISH. F. E. BOOTH Co., San Francisco, Calif.
Filed July 29, 1922. Serial No. 167,553. PUBLISHED APRIL 17, 1923.
- 170,579. CANTALOUPE IN THEIR NATURAL STATE. J. T. JOHN COMPANY, Johns, N. C.
Filed July 29, 1922. Serial No. 167,569. PUBLISHED APRIL 24, 1923.
- 170,580. SHORTENING. THE BROWN ORCOLA COMPANY, Chicago, Ill.
Filed July 31, 1922. Serial No. 167,598. PUBLISHED APRIL 17, 1923.
- 170,581. FRESH FRUITS AND VEGETABLES. ILLINOIS FRUIT EXCHANGE, Centralia, Ill.
Filed July 31, 1922. Serial No. 167,641. PUBLISHED APRIL 24, 1923.
- 170,582. TABLE JELLIES, Caramel TOFFEES, AND OTHER BOILED-SUGAR GOODS. WALTER ROBERTSON & SON, LTD., Brentford Bridge, Middlesex, England.
Filed August 1, 1922. Serial No. 167,690. PUBLISHED APRIL 24, 1923.
- 170,583. CORE FACINGS, CORE BLACKINGS, CORE BINDERS, CORE PARTINGS, AND POWDERED AND PLASTIC LADLE LININGS. THE BIRD-ARCHER COMPANY, New York, N. Y.
Filed January 30, 1922. Serial No. 158,596. PUBLISHED APRIL 17, 1923.
- 170,584. PEANUT BUTTER, QUEEN OLIVES, MUSTARD, STUFFED OLIVES, CHOW RELISH. WALTER J. HIRSCH Co., Chicago, Ill.
Filed January 5, 1922. Serial No. 157,523. PUBLISHED APRIL 24, 1923.
- 170,585. SHOE AND CORSET LACES. THE HUTMACHER BRAIDING COMPANY, Paterson, N. J.
Filed December 16, 1921. Serial No. 156,789. PUBLISHED APRIL 24, 1923.
- 170,586. WRITING PAPER. HAWTHORNE PAPER COMPANY, Kalamazoo, Mich.
Filed December 8, 1921. Serial No. 156,447. PUBLISHED APRIL 17, 1923.
- 170,587. CERTAIN-NAMED NOTIONS. WALKER WEBBING Co., Providence, R. I.
Filed November 30, 1921. Serial No. 156,125. PUBLISHED APRIL 24, 1923.
- 170,588. VEHICLE TIRES, INNER TUBES, TIRE CASINGS, AND SHOES, AND REPAIR PARTS FOR SAME. THE IDEAL TIRE AND RUBBER COMPANY, Cleveland, Ohio.
Filed November 26, 1921. Serial No. 155,968. PUBLISHED APRIL 17, 1923.
- 170,589. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,839. PUBLISHED APRIL 17, 1923.
- 170,590. BICYCLES, TRICYCLES, MOTOR CYCLES, AND MOTOR TRUCKS AND PASSENGER AUTOMOBILES. HUMBER LIMITED, Coventry, England.
Filed October 24, 1921. Serial No. 154,513. PUBLISHED APRIL 24, 1923.
- 170,591. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,820. PUBLISHED APRIL 17, 1923.
- 170,592. CANNED LOBSTER AND TROPICAL FRUITS. HOMER S. CARMICHAEL, doing business as The International Canning Co., Belize, British Honduras, Central America.
Filed May 24, 1921. Serial No. 148,126. PUBLISHED OCTOBER 31, 1922.
- 170,593. INDIA-RUBBER TIRES AND INNER TUBES. GEORGE SPENCER, MOULTON & Co. LTD., Westminster, London, England.
Filed August 2, 1921. Serial No. 151,299. PUBLISHED APRIL 24, 1923.
- 170,594. MATERIAL FOR ARRESTING AND SEPARATING IMPURITIES OR OTHER MATTER FROM FLUIDS. CELITE PRODUCTS COMPANY, Los Angeles, Calif., and New York, N. Y.
Filed April 26, 1921. Serial No. 146,755. PUBLISHED APRIL 17, 1923.
- 170,595. SISAL ROPE. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed February 2, 1921. Serial No. 143,108. PUBLISHED JUNE 21, 1921.
- 170,596. ROPE MADE FROM FIBER. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed February 2, 1921. Serial No. 143,106. PUBLISHED JUNE 21, 1921.
- 170,597. MATTRESSES, PILLOWS, BOLSTERS, AND CUSHIONS. THE ROBINSON-RODERS Co., INC., Newark, N. J.
Filed Aug. 28, 1920. Serial No. 136,604. PUBLISHED APRIL 24, 1923.
- 170,598. WRAPPING, PACKING, AND LINING MATERIAL IN SHEET FORM. SAFEPAK MILLS, Boston, Mass.
Filed January 14, 1919. Serial No. 115,189. PUBLISHED SEPTEMBER 16, 1919.
- 170,599. ISTLE ROPE. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio.
Filed April 18, 1919. Serial No. 117,597. PUBLISHED DECEMBER 30, 1919.
- 170,600. RUBBER TIRES AND INNER TUBES. THE MID-CONTINENT TIRE MANUFACTURING COMPANY, Wichita, Kans.
Filed May 2, 1919. Serial No. 118,089. PUBLISHED APRIL 24, 1923.
- 170,601. INNER-TUBE REPAIR PATCHES. JOSEPH J. FUCHS, doing business as Tourists' Pride Mfg. Co., Minneapolis, Minn.
Filed May 18, 1920. Serial No. 132,601. PUBLISHED APRIL 17, 1923.
- 170,602. BLEACHED SHEETINGS, CAMBRICS, AND NAINSOOKS. GEORGE W. KAVANAUGH, INC., New York, N. Y.
Filed July 12, 1920. Serial No. 134,825. PUBLISHED FEBRUARY 14, 1922.
- 170,603. SHOE POLISH. AKIN MANUFACTURING COMPANY, Charlotte, N. C.
Filed January 20, 1923. Serial No. 174,809. PUBLISHED APRIL 24, 1923.
- 170,604. BUFFING ROUGE. A. P. MUNNING & Co., Matawan, N. J.
Filed January 19, 1923. Serial No. 174,793. PUBLISHED APRIL 24, 1923.
- 170,605. BUFFING ROUGE. A. P. MUNNING & Co., Matawan, N. J.
Filed January 19, 1923. Serial No. 174,792. PUBLISHED APRIL 24, 1923.
- 170,606. SECTION OF A CATALOGUE PUBLISHED ANNUALLY. T. W. WOOD & SONS, Richmond, Va.
Filed January 16, 1923. Serial No. 174,682. PUBLISHED APRIL 24, 1923.
- 170,607. A CERTAIN NAMED MEDICINAL PREPARATION. JUDSON T. MASON, doing business as Tol-O-Nite Remedy Co., Washington, D. C.
Filed January 8, 1923. Serial No. 174,317. PUBLISHED APRIL 24, 1923.
- 170,608. ADVERTISING CARDS AND EDUCATIONAL POSTERS. THE AMERICAN BANKING MACHINE CORPORATION, Saginaw, Mich.
Filed December 29, 1922. Serial No. 173,948. PUBLISHED APRIL 24, 1923.

- 170,609. PAINT ENAMELS TO BE USED ON ALL INTERIOR AND EXTERIOR SURFACES. FRANK BOWNES COMPANY, INC., Lynn, Mass.
Filed February 21, 1923. Serial No. 176,396. PUBLISHED APRIL 17, 1923.
- 170,610. PREPARATION TO BE USED IN THE MANUFACTURE OF FLOOR PAINTS, ENAMELS, FILLERS, AND AS A FINISHING VARNISH. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y.
Filed February 20, 1923. Serial No. 176,351. PUBLISHED APRIL 17, 1923.
- 170,611. RUBBER BOOTS AND SHOES AND ARCTIC OVERSHOES. GOODYEAR RUBBER COMPANY, Middletown, Conn.
Filed February 20, 1923. Serial No. 176,338. PUBLISHED APRIL 17, 1923.
- 170,612. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,726. PUBLISHED APRIL 24, 1923.
- 170,613. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,725. PUBLISHED APRIL 24, 1923.
- 170,614. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,724. PUBLISHED APRIL 24, 1923.
- 170,615. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,723. PUBLISHED APRIL 24, 1923.
- 170,616. WINDOW GLASS. MOUNTAIN STATE GLASS Co., Mannington, W. Va.
Filed March 8, 1923. Serial No. 177,139. PUBLISHED APRIL 17, 1923.
- 170,617. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed March 7, 1923. Serial No. 177,078. PUBLISHED APRIL 17, 1923.
- 170,618. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed March 7, 1923. Serial No. 177,077. PUBLISHED APRIL 17, 1923.
- 170,619. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed March 7, 1923. Serial No. 177,076. PUBLISHED APRIL 17, 1923.
- 170,620. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed March 7, 1923. Serial No. 177,075. PUBLISHED APRIL 17, 1923.
- 170,621. YARN. WM. H. HORSTMANN COMPANY, Philadelphia, Pa.
Filed March 5, 1923. Serial No. 176,999. PUBLISHED APRIL 17, 1923.
- 170,622. FERTILIZER. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed March 3, 1923. Serial No. 176,868. PUBLISHED APRIL 17, 1923.
- 170,623. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,728. PUBLISHED APRIL 24, 1923.
- 170,624. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,727. PUBLISHED APRIL 24, 1923.
- 170,625. LEATHER SHOES. MELANSON SHOE COMPANY, Lynn, Mass.
Filed January 29, 1923. Serial No. 175,259. PUBLISHED APRIL 17, 1923.
- 170,626. WHITING. THE TAINTOR COMPANY, New York, N. Y.
Filed January 26, 1923. Serial No. 175,171. PUBLISHED APRIL 17, 1923.
- 170,627. VEGETABLE SEEDS. W. ATLEE BURPEE Co., Philadelphia, Pa.
Filed January 25, 1923. Serial No. 175,065. PUBLISHED APRIL 24, 1923.
- 170,628. KNITTING WOOL. JAMES TEMPLETON & SON, LTD., Ayr, Scotland.
Filed January 20, 1923. Serial No. 174,870. PUBLISHED APRIL 17, 1923.
- 170,629. SOLID AND PNEUMATIC RUBBER AND FABRIC TIRES. THE MILLER RUBBER COMPANY, Akron, Ohio.
Filed January 19, 1923. Serial No. 174,791. PUBLISHED APRIL 24, 1923.
- 170,630. WASHING FLUID. FEDERICO CICETTI, doing business as No-worry Chemical Co., Newark, N. J.
Filed January 18, 1923. Serial No. 174,725. PUBLISHED APRIL 24, 1923.
- 170,631. LINING FOR AUTOMOBILE TRANSMISSIONS. STANDARD MOTOR PARTS COMPANY, Chicago, Ill.
Filed February 1, 1923. Serial No. 175,413. PUBLISHED APRIL 24, 1923.
- 170,632. READY-MIXED PAINTS, HOUSE PAINTS FOR INTERIOR AND EXTERIOR APPLICATION, PAINT ENAMELS, VARNISHES, STAINS, FILLERS, AND VARNISH STAINS. THE KOLBE PAINT COMPANY, Cincinnati, Ohio.
Filed January 31, 1923. Serial No. 175,358. PUBLISHED APRIL 17, 1923.
- 170,633. PHOTOGRAPHIC MOUNTINGS. CALIFORNIA CARD MANUFACTURING Co., San Francisco, Calif.
Filed January 31, 1923. Serial No. 175,340. PUBLISHED APRIL 17, 1923.
- 170,634. ANTISEPTIC DRESSINGS AND ABSORBENT AND MEDICATED COTTONS AND GAUZE, PLAIN MEDICATED AND ADHESIVE BANDAGES. THE DEANE PLASTER Co., Yonkers, N. Y.
Filed January 30, 1923. Serial No. 175,307. PUBLISHED APRIL 17, 1923.
- 170,635. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed February 9, 1923. Serial No. 175,827. PUBLISHED APRIL 17, 1923.
- 170,636. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed February 9, 1923. Serial No. 175,767. PUBLISHED APRIL 17, 1923.
- 170,637. STEAM AND DOMESTIC COAL. VIRGINIA BLUE GEM COAL CORPORATION, Pennington Gap and North Fork, Va.
Filed February 7, 1923. Serial No. 175,691. PUBLISHED APRIL 24, 1923.
- 170,638. PAPER TABLETS, COMPOSITION BOOKS, BLANK BOOKS, PADS, PAPETERIES, CORRESPONDENCE PAPER, ENVELOPES. ALLER BROTHERS, Chicago, Ill.
Filed February 3, 1923. Serial No. 175,539. PUBLISHED APRIL 17, 1923.
- 170,639. SANITARY-NAPKIN HOLDERS. SARAH A. HARRISON, Omaha, Nebr.
Filed February 3, 1923. Serial No. 175,491. PUBLISHED APRIL 17, 1923.
- 170,640. FIBER SHIPPING CASES. ST. REGIS PAPER Co., Watertown, N. Y.
Filed February 2, 1923. Serial No. 175,445. PUBLISHED APRIL 17, 1923.

- 170,641. MILK-SHIPPING CANS AND CANS USED FOR PACKING AND SHIPPING ICE CREAM. DES LAURIERS METAL PRODUCTS CO. INC., St. Paul, Minn. Filed February 17, 1923. Serial No. 176,166. PUBLISHED APRIL 24, 1923.
- 170,642. BURIAL VAULTS. CON-O-LITE CORPORATION, Cortland, N. Y. Filed February 15, 1923. Serial No. 176,072. PUBLISHED APRIL 17, 1923.
- 170,643. GASOLINE AND LUBRICATING OILS. HERMAN BUNGE, Elgin, Ill. Filed February 15, 1923. Serial No. 176,064. PUBLISHED APRIL 17, 1923.
- 170,644. MOPS AND MOP HANDLES. WILLIAM H. FISHER, doing business as Fisher Manufacturing Co., Brockton, Mass. Filed February 10, 1923. Serial No. 175,855. PUBLISHED APRIL 17, 1923.
- 170,645. ART NEEDLEWORK—VIZ, EMBROIDERY PATTERNS, NOVELTY CROCHET AND FEATHER-EDGE BRAIDS, AND ART FRINGES. T. BUETTNER & Co., Chicago, Ill. Filed October 4, 1922. Serial No. 170,270. PUBLISHED APRIL 24, 1923.
- 170,646. CERTAIN NAMED NOTIONS. ROYAL C. TAFT, doing business as R. C. Taft Company, Chicago, Ill. Filed September 30, 1922. Serial No. 170,164. PUBLISHED APRIL 24, 1923.
- 170,647. COFFEE. ROCKFORD WHOLESALE GROCERY CO., Rockford, Ill. Filed September 16, 1922. Serial No. 169,563. PUBLISHED APRIL 17, 1923.
- 170,648. ICE CREAM. GOODMAN AMERICAN ICE CREAM COMPANY, Chicago, Ill. Filed September 20, 1922. Serial No. 169,710. PUBLISHED APRIL 17, 1923.
- 170,649. ICE-CREAM CONES MADE OF MILK CHOCOLATE. HARRY L. SCOTT, Baltimore, Md. Filed September 28, 1922. Serial No. 170,043. PUBLISHED APRIL 24, 1923.
- 170,650. UPHOLSTERY AND DRAPERY FABRICS OF THE TYPE COMMONLY MADE ON JACQUARD LOOMS. HENRY GOLDTHORP COMPANY, INC., Philadelphia, Pa. Filed September 29, 1922. Serial No. 170,063. PUBLISHED APRIL 17, 1923.
- 170,651. WOOLEN FABRICS IN THE PIECE. AMERICAN UNIFORM COMPANY, INC., Wales, Mass. Filed September 30, 1922. Serial No. 170,115. PUBLISHED APRIL 24, 1923.
- 170,652. SOAPS. LAWRENCE SOAP CO., Methuen, Mass. Filed September 12, 1922. Serial No. 169,366. PUBLISHED APRIL 24, 1923.
- 170,653. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J., assignor to Forstmann & Huffmann Company, Passaic, N. J., a Corporation of Delaware. Filed September 14, 1922. Serial No. 169,441. PUBLISHED APRIL 24, 1923.
- 170,654. CANNED VEGETABLES. EPHRAIM SANITARY CANNING COMPANY, Ephraim, Utah. Filed September 15, 1922. Serial No. 169,477. PUBLISHED APRIL 17, 1923.
- 170,655. CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH. UNITED STATES PRODUCTS CORPORATION, San Jose, Calif. Filed August 17, 1922. Serial No. 168,391. PUBLISHED APRIL 17, 1923.
- 170,656. INSECTICIDE AND MOTHPROOFING COMPOSITION. PROCESS CHEMICALS INCORPORATED, New York, N. Y. Filed August 19, 1922. Serial No. 168,489. PUBLISHED APRIL 17, 1923.
- 170,657. CHOCOLATE. G. M. CABRERA, doing business as Cabrera & Co., New York, N. Y. Filed August 21, 1922. Serial No. 168,511. PUBLISHED APRIL 17, 1923.
- 170,658. CANDY AND PEPPERMINT LOZENGES. SALLY MINT COMPANY, New York, N. Y. Filed September 7, 1922. Serial No. 160,185. PUBLISHED APRIL 24, 1923.
- 170,659. CARDBOARD TO BE PLACED IN FRUIT BOXES TO PREVENT THE CRUSHING OF THE FRUIT. SHUZO SATAKE, doing business as Non-Crush Fruit Guard Company, Sacramento, Calif. Filed September 11, 1922. Serial No. 160,328. PUBLISHED APRIL 17, 1923.
- 170,660. AUTOMOBILE TIRE CASINGS. THE CORD TIRE CORPORATION, Chester, W. Va. Filed August 2, 1922. Serial No. 167,712. PUBLISHED APRIL 17, 1923.
- 170,661. LACE EDGINGS IN THE PIECE. MARVELLO LACE COMPANY, New York, N. Y. Filed August 14, 1922. Serial No. 168,220. PUBLISHED APRIL 24, 1923.
- 170,662. CANNED BAKED BEANS WITH PORK. EHMANN OLIVE COMPANY, Oroville, Calif. Filed August 17, 1922. Serial No. 168,359. PUBLISHED APRIL 24, 1923.
- 170,663. BISCUITS. BISHOP & COMPANY, Los Angeles, Calif. Filed July 1, 1920. Serial No. 134,455. PUBLISHED AUGUST 24, 1920.
- 170,664. WHEAT FLOUR. MAUSER MILL COMPANY, Laury Station, Pa. Filed February 18, 1921. Serial No. 143,771. PUBLISHED FEBRUARY 13, 1923.
- 170,665. CHEESE. WILLIAM FAEHNDRICH, doing business as Wm. Faehndrich Co., New York, N. Y. Filed May 14, 1921. Serial No. 147,720. PUBLISHED JANUARY 10, 1922.
- 170,666. SOAPS BOTH IN THE FORM OF CAKES AND IN THE FORM OF CHIPS. THE WOLF CREEK SOAP WORKS COMPANY, near Dayton, Montgomery County, Ohio. Filed January 10, 1922. Serial No. 157,744. PUBLISHED APRIL 24, 1923.
- 170,667. COFFEE, RICE, AND EVAPORATED MILK. H. P. LAU CO., Lincoln, Nebr. Filed January 23, 1922. Serial No. 158,320. PUBLISHED OCTOBER 3, 1922.
- 170,668. MONTHLY PUBLICATION. FLETCHER AMERICAN COMPANY, Indianapolis, Ind. Filed January 31, 1922. Serial No. 158,676. PUBLISHED APRIL 24, 1923.
- 170,669. OLEOMARGARINE. THE GLIDDEN NUT BUTTER COMPANY, Chicago, Ill. Filed February 18, 1922. Serial No. 159,506. PUBLISHED FEBRUARY 13, 1923.
- 170,670. HUMAN AND ANIMAL HAIR. LOUIS LEYUS-SOVE, New York, N. Y. Filed April 22, 1922. Serial No. 162,751. PUBLISHED APRIL 24, 1923.
- 170,671. MONTHLY MAGAZINE. THE LURIE COMPANY, INC., New York, N. Y. Filed July 27, 1922. Serial No. 167,471. PUBLISHED APRIL 24, 1923.
- 170,672. COMPOUND HAVING THE APPEARANCE OF PUTTY AND USED TO RETAIN MOLTEN METAL WHILE POURING BEARINGS. PRODUCTS MFG. & SALES CO., Milwaukee, Wis. Filed August 1, 1922. Serial No. 167,686. PUBLISHED APRIL 24, 1923.

170,673. CAOUTCHOUC MILK. F. R. HENDERSON & Co., INC., New York, N. Y.

Filed November 25, 1922. Serial No. 172,533. PUBLISHED APRIL 24, 1923.

170,674. BLUEBERRY PLANTS. JOSEPH J. WHITE, INC., New Lisbon, N. J.

Filed November 23, 1922. Serial No. 172,458. PUBLISHED APRIL 24, 1923.

170,675. MONTHLY MAGAZINE. THE NORTHMAN PUBLISHING COMPANY, Portland, Oreg.

Filed October 30, 1922. Serial No. 171,380. PUBLISHED APRIL 24, 1923.

170,676. SOAP AND SOAP POWDER. LEVER BROTHERS COMPANY, Cambridge, Mass.

Filed October 24, 1922. Serial No. 171,130. PUBLISHED APRIL 24, 1923.

170,677. CLEANSER FOR RUGS, CARPETS, WOOLEN GOODS, CLOTHING, UPHOLSTERED FURNITURE, BATHTUBS, AND HOUSEHOLD PURPOSES. JOHN M. HIBLER, doing business as J. M. Hibler Mfg. Co., Defiance, Ohio.

Filed October 21, 1922. Serial No. 171,019. PUBLISHED APRIL 24, 1923.

170,678. FUR SKINS. CASSILETH & SCHWARTZ, Brooklyn, N. Y.

Filed September 21, 1922. Serial No. 169,754. PUBLISHED APRIL 24, 1923.

170,679. MONTHLY MAGAZINE. RADIO PUBLISHING CORPORATION, New York, N. Y.

Filed August 26, 1922. Serial No. 168,729. PUBLISHED APRIL 24, 1923.

170,680. CERTAIN NAMED ABRASIVE STONES. PIKE MANUFACTURING COMPANY, Pike and Littleton, N. H.; Evansville, Vt.; New York, N. Y.; Orleans, Ind.; and Hot Springs, Ark.

Filed December 23, 1922. Serial No. 173,783. PUBLISHED APRIL 24, 1923.

170,681. CARTOONS AND ILLUSTRATIONS USED FOR ADVERTISING PURPOSES. BERT REESE, Philadelphia, Pa.

Filed December 11, 1922. Serial No. 173,209. PUBLISHED APRIL 24, 1923.

170,682. TITLE FOR CARTOONS. PUBLIC LEDGER COMPANY, Philadelphia, Pa.

Filed December 4, 1922. Serial No. 172,900. PUBLISHED APRIL 24, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

170,683. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WALTON C. SEITZ, Milwaukee, Wis. Filed Sept. 26, 1922. Serial No. 169,961.

WALTON'S

Particular description of goods.—Hand Shields.
Claims use since Apr. 1, 1922.

170,684. (CLASS 15. OILS AND GREASES.) WADHAM'S OIL COMPANY, Milwaukee, Wis. Filed Nov. 18, 1921. Serial No. 155,580.

Tempered

Particular description of goods.—Lubricating Oils.
Claims use since March, 1919.

170,685. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MANHATTAN PHOTO SUPPLY CO., INC., New York, N. Y. Filed Feb. 3, 1923. Serial No. 175,506.

PETER PAN

Particular description of goods.—Golf Balls.
Claims use since about May 18, 1922.

170,686. (CLASS 7. CORDAGE.) TUBBS CORDAGE COMPANY, San Francisco, Calif. Filed Apr. 4, 1923. Serial No. 178,579.

EXTRA SUPERIOR

Particular description of goods.—Manila Rope.
Claims use since Oct. 5, 1908.

170,687. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) STANLEY GLIDDEN CO., INC., Boston, Mass. Filed Aug. 18, 1919. Serial No. 121,765.

MERIT

Particular description of goods.—Pneumatic and Solid Rubber Tires, Tubes, Patches, Outside Tire Sleeves, Inside Tire Sleeves, Rubber Hose, Portable Tire-Vulcanizing Outfits, and Rubber Gaskets.

Claims use since July 21, 1919.

170,688. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TEUSCHER & SON MACHINERY SUPPLY CO., St. Louis, Mo. Filed Apr. 12, 1922. Serial No. 162,219.

GREATER GRIP

Particular description of goods.—Automobile Fan Belts, Particularly Fabric and Rubberized Fabric.
Claims use since Nov. 1, 1921.

- 170,689. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) KOKOMO AUTOMOTIVE MFG. CO., Kokomo, Ind. Filed Oct. 23, 1922. Serial No. 171,087.

Kokomo

Particular description of goods.—Rear-View Mirrors for Vehicles, Vehicle Windshield Wings, Automobile Visors and Windshields.

Claims use since Mar. 1, 1922.

- 170,690. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CANVAS PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 2, 1923. Serial No. 174,066.

Matchless

Particular description of goods.—Tents, Tent Flies, Tarpaulins, Binder Covers, Wagon Covers, and Awnings.

Claims use since 1905.

- 170,691. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CANVAS PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 2, 1923. Serial No. 174,067.

Peerless

Particular description of goods.—Tents, Tent Flies, Tarpaulins, Binder Covers, Wagon Covers, and Awnings.

Claims use since 1905.

- 170,692. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LINCOLN MOTOR COMPANY, Highland Park, Mich. Filed Jan. 4, 1923. Serial No. 174,171.

LINCOLN

Particular description of goods.—Motor Cars.

Claims use since Aug. 3, 1920.

- 170,693. (CLASS 17. TOBACCO PRODUCTS.) LILLY, DUNGAN & COMPANY, Baltimore, Md. Filed Feb. 17, 1923. Serial No. 176,197.



Particular description of goods.—Cigars. Cigarettes, Smoking Tobacco.

Claims use since Mar. 30, 1921.

- 170,694. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE WICHITA FENDER BRACE COMPANY, Wichita Falls, Tex. Filed Feb. 28, 1923. Serial No. 176,774.

WICHITA FENDER BRACE

Particular description of goods.—Fender Braces.

Claims use since December, 1921.

- 170,695. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DANIEL HIRSCH, New York, N. Y. Filed Mar. 22, 1923. Serial No. 177,846.

Kantlose

Particular description of goods.—Identification Tags.

Claims use since March, 1922.

LABELS

REGISTERED JULY 17, 1923.

- 26,220.—*Title:* CHILIPITINE SYRUP. For a Compound for Coughs and Colds. B. & B. CHEMICAL COMPANY, San Antonio, Tex. Published May 26, 1923.
- 26,221.—*Title:* HEMOGLOTONE. For a Tonic. BIO-MEDICAL LABORATORIES, Brooklyn, N. Y. Published May 9, 1923.
- 26,222.—*Title:* WHITE CIRCLE, THE SOAP THAT CLEANS SO CLEAN. For Soap. J. DIETRICH & COMPANY, San Antonio, Tex. Published June 18, 1923.
- 26,223.—*Title:* "TOOT SWEET" MARSHMALLOW FLUFF. For Marshmallow Fluff. DURKEE-MOWER & Co., Swampscott, Mass. Published April 9, 1923.
- 26,224.—*Title:* PLAY BALLS. For Sponge-Rubber Balls. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Published April 26, 1923.
- 26,225.—*Title:* SOUTHERN STYLE MOIST SWEETENED COCONUT. For Prepared Coconut. THE FRANKLIN BAKER Co., Philadelphia, Pa. Published February 15, 1923.
- 26,226.—*Title:* ASMA RELIEF. For Asthma, Hay Fever Bronchial and Catarrhal Medicine. WILLIAM H. GOODRIDGE, doing business as Monroe Laboratory Company, Lynn, Mass. Published March 5, 1923.
- 26,227.—*Title:* NEPTUNE. For Table Salt. HAAS, BA RUCH & Co., Los Angeles, Calif. Published May 3 1923.
- 26,228.—*Title:* PARFAIT. For Powder Puffs. HARDY NEWMAN & Co., also doing business as Parfait Powder Puff Co., Chicago, Ill. Published May 23, 1923.
- 26,229.—*Title:* HELLER'S FANCY-PASTRY DESSERT POWDER. For Preparation for Use in Making Desserts. B. HELLER & COMPANY, Chicago, Ill. Published May 12, 1923.
- 26,230.—*Title:* MELOINE. For Preparation for Use in Improving Ice Cream and Conditioning the Ice-Cream Mix. B. HELLER & COMPANY, Chicago, Ill. Published May 14, 1923.
- 26,231.—*Title:* IMPERIAL BAY RUM. For Bay Rum. IMPERIAL PERFUMERY AND BARBER'S SUPPLIES, INC., New York, N. Y. Published June 1, 1923.
- 26,232.—*Title:* PETER - PAN. For Peas. INDERRIEDEN CANNING Co., Chicago, Ill. Published June 1, 1923.
- 26,233.—*Title:* PETER - PAN. For Corn. INDERRIEDEN CANNING Co., Chicago, Ill. Published June 1, 1923.
- 26,234.—*Title:* ROYAL MUSLIN. For Muslin. ISSER REZNIK'S SONS, New York, N. Y. Published June 18, 1923.
- 26,235.—*Title:* KIRK'S ORIGINAL OLIVE COCOA CAS-TILE. For Soap. JAMES S. KIRK & COMPANY, Chicago, Ill. Published March 19, 1923.
- 26,236.—*Title:* DR. LAWTON'S AUTOMATIC WAIST-LINE REDUCER. For Surgical Appliances. THOMAS LAWTON, New York, N. Y. Published June 5, 1923.
- 26,237.—*Title:* SCOUT NOTES. For Blank Notebooks and Memorandum Pads. HARRY J. LICHTENBERGER, Washington, D. C. Published June 6, 1923.
- 26,238.—*Title:* LUCIDO'S QUALITY. For Peas. LUCIDO BROTHERS GROCERY COMPANY, also doing business as Lucido Bros. Grocer Co., Granite City, Ill. Published April 2, 1923.
- 26,239.—*Title:* NAME. For Handkerchiefs. S. W. MAGNUS & Co., New York, N. Y. Published March 14, 1923.
- 26,240.—*Title:* AEROPLANE. For Sweeping Compound. A. W. MENDENHALL & COMPANY, Kansas City, Mo. Published May 27, 1921.
- 26,241.—*Title:* EVEREADY RADIO "B" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published June 1, 1923.
- 26,242.—*Title:* NARCISSUS PAPER WHITE. For a Box of Narcissus Bulbs. NEW AMSTERDAM BULB Co. INC., New York, N. Y. Published November 1, 1922.
- 26,243.—*Title:* SALEM. For Pears. NORTHWEST FRUIT PRODUCTS COMPANY, Salem, Oreg. Published May 1, 1923.
- 26,244.—*Title:* TROPICAL FRUIT. For Gum. OAKLAND GUM COMPANY, Oakland, Calif. Published May 25, 1923.
- 26,245.—*Title:* SEASIDE. For Gasoline. SEASIDE OIL COMPANY, Summerland, Calif. Published September 20, 1922.
- 26,246.—*Title:* STORMSHIELD LIQUID, THE ROOF THAT'S WATERPROOF. For Protective Coatings for Roofs and the Like. F. I. SIEGEL & Son, West Hoboken, N. J. Published January 2, 1923.
- 26,247.—*Title:* STATE LINE. For Early June Peas. SOUTH CHICAGO WHOLESALE GROCERY AND PRODUCE COMPANY, INC., Chicago, Ill. Published May 31, 1923.
- 26,248.—*Title:* KIDDIES FILLING. For Dental Filling Material. JOHN A. WILLIAMS, D. D. S., doing business as King's Specialty Company, Fort Wayne, Ind. Published May 28, 1922.

PRINTS

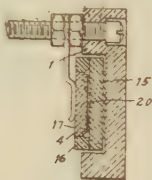
REGISTERED JULY 17, 1923.

- 6,819.—*Title:* DOUBLE-IN TWIST CLOTH. For Clothing. THE BONDED TAILORING Co. INC., Cleveland, Ohio. Published April 9, 1921.
- 6,820.—*Title:* TAKE ONE HOME—SLICE IT! For Baffle Bar Candy. CARDINET CANDY COMPANY, Oakland, Calif. Published June 1, 1923.
- 6,821.—*Title:* COULD THIS BE YOU IN THESE HOPELESSLY OLD STYLE CLOTHES? For Papeteries. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published May 13, 1923.
- 6,822.—*Title:* LOWNEY'S CHOCOLATES. For Chocolate Products, Including Particularly Lowney's Chocolates. WALTER M. LOWNEY COMPANY, Boston, Mass. Published May 9, 1923.
- 6,823.—*Title:* FIT-RITE. For Shoe and Slipper Trees. JAMES N. MAYHEW Co., INC., Minneapolis, Minn. Published May 1, 1923.
- 6,824.—*Title:* N. For Batteries and Electrical Apparatus. DAVID NEAL, Canton, Ohio. Published April 12, 1923.
- 6,825.—*Title:* SUNBURN HURTS! UNGUENTINE HEALS! For Unguentine. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Published May 1, 1923.
- 6,826.—*Title:* THE ARISTOCRATS OF CREDIT JEWELERS. For Jewelry and Silverware. OLSEN & EBANN, Chicago, Ill. Published May 25, 1923.
- 6,827.—*Title:* BEAUTY THAT LURES. For Palmolive Soap. THE PALMOLIVE COMPANY, Milwaukee, Wis. Published June 20, 1923.
- 6,828.—*Title:* FLEXIBLE BEND LIKE BIRCH BOUGHS. For Shoes. TRAIL MOC SHOE COMPANY, Saco, Me. Published May 29, 1923.

REISSUES.

JULY 17, 1923.

15,653. LIGHTNING ARRESTER. CHESTER T. ALLCUTT, Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 14, 1922. Serial No. 600,972. Original No. 1,361,801, dated Dec. 14, 1920, Serial No. 189,348, filed Sept. 1, 1917. 20 Claims. (Cl. 175—30.)



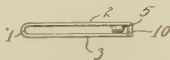
6. The method of forming a member for a lightning arrester which consists in molding an insulating support containing a phenolic condensation product and thereafter molding integrally therewith an electrical conducting portion comprising a comminuted conducting material and a binder therefor that serves to autogenously unite with said insulating support.

9. A protector comprising a pair of electrodes, one of said electrodes comprising a conducting member and the other comprising a non-conducting portion and a conducting portion autogenously connected thereto, the surface of said conducting portion being countersunk relatively to the corresponding surface of the insulating portion and being separated therefrom by means of a groove.

11. A discharge electrode for a lightning arrester comprising a plurality of refractory conducting particles held in a binder of phenolic condensation product.

18. A resistance element, comprising a bakelite bar having finely divided graphite embedded therein.

15,654. LINGERIE CLIP. EMMA EVANS CLARK, Hammond, Ind., assignor to The Wilson Fastener Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 24, 1923. Serial No. 627,458. Original application filed Mar. 22, 1920, Serial No. 367,913. Renewed May 14, 1921, Serial No. 469,495. Original No. 1,383,906, dated July 5, 1921. 10 Claims. (Cl. 24—259.)

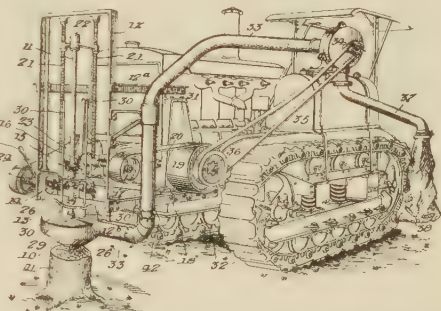


1. A lingerie-clip comprising a U-shaped resilient body with a snap fastener of the stud and socket type carried respectively by the two limbs of the body entirely between such limbs and adjacent the free edges thereof.

15,655. STUMP HARVESTER. EDWIN A. MCKOY and GEORGE D. MOORE, New Orleans, La. Filed May 20, 1921. Serial No. 471,259. Original application filed Sept. 21, 1917, Serial No. 192,566. Renewed July 9, 1919, Serial No. 309,766. Original No. 1,313,708, dated Aug. 19, 1919. 31 Claims. (Cl. 144—2.)

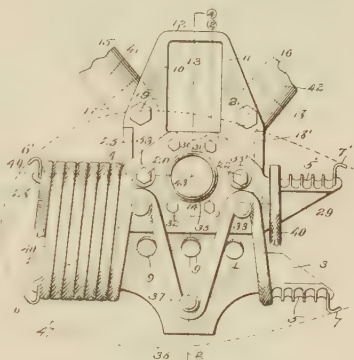
1. In a stump harvester, a dirigible power plant, a boring tool comprising a cutter head having a recess

opposite its cutting surface, a housing forming with the recess a chamber to receive the cuttings and means



to discharge the cuttings from the housing to a predetermined depository.

15,656. LANDING GEAR FOR AIRPLANES. JEAN A. ROCHE, Dayton, Ohio. Filed Apr. 15, 1921. Serial No. 461,600. Original No. 1,329,477, dated Feb. 3, 1920, Serial No. 279,050, filed Feb. 25, 1919. 8 Claims. (Cl. 244—2.)

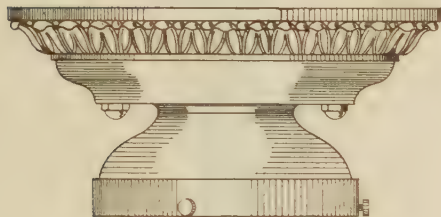


1. In a landing gear, a main frame carrying fore and aft extensions, an auxiliary frame carrying corresponding fore and aft extensions, said auxiliary frame being slidably mounted in said main frame, and a resilient cable engaging over the lower edges of the first-mentioned fore and aft extensions and over the upper edges of the second-mentioned fore and aft extensions.

15,657. HERNIAL TRUSS. GEORGE A. McMILLEN, Alton, Ill. Filed Mar. 13, 1919. Serial No. 282,513. Original No. 1,237,667, dated Aug. 21, 1917, Serial No. 149,612, filed Feb. 19, 1917. 26 Claims. (Cl. 128—104.)

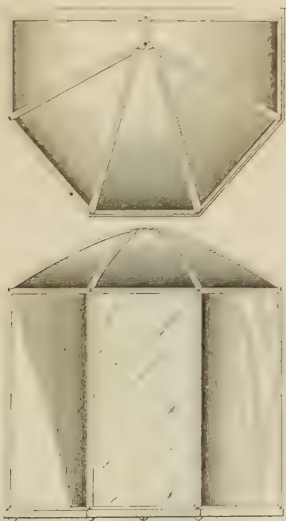
3. A hernial truss, comprising, a supporting band, a pad mounted for movement thereon, means for selectively

- 62,662. HOLDER FOR ILLUMINATING GLASSWARE.
HARRY C. ADAM, St. Louis, Mo. Filed May 13, 1922.
Serial No. 2,227. Term of patent 14 years.



The ornamental design for a holder, for illuminating glassware, as shown.

- 62,663. DISPLAY CABINET. JOHN T. ASHBROOKE,
New York, N. Y., assignor to The Bonnie-B Company,
Inc., a Corporation of New York. Filed July 20, 1921.
Serial No. 486,274. Term of patent $3\frac{1}{2}$ years.



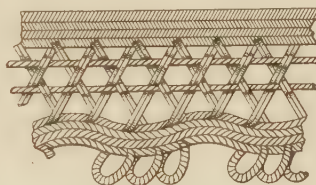
The ornamental design for a display cabinet, as shown.

- 62,664. MIRROR, BRUSH, OR SIMILAR ARTICLE.
WILLIAM S. BECHTOLD, Newark, N. J. Filed Dec. 31,
1921. Serial No. 526,400. Term of patent 14 years.



The ornamental design for a mirror, brush, or similar article, as shown.

- 62,665. TRIMMING FOR GARMENTS AND SIMILAR
ARTICLES. CONRAD J. FUSCH, Wyomissing, Pa., as-
signor to The Narrow Fabric Co., West Reading, Pa.,
a Corporation of Pennsylvania. Filed Mar. 10, 1922.
Serial No. 1,102. Term of patent 14 years.



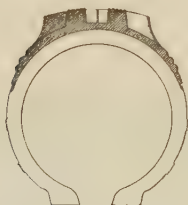
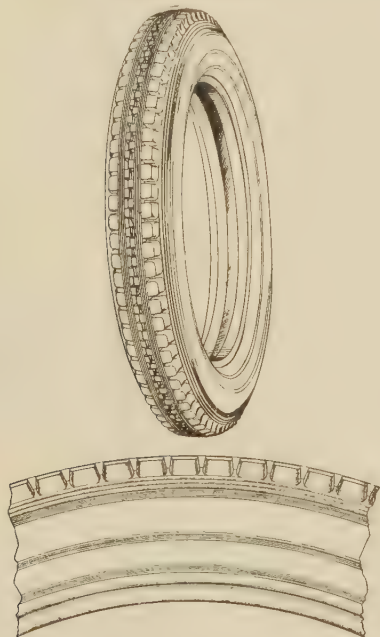
The ornamental design for a trimming for garments and similar articles as shown.

- 62,666. LIGHTING FIXTURE. HARRY C. ADAM, St.
Louis, Mo. Filed Dec. 15, 1921. Serial No. 522,706.
Term of patent 14 years.



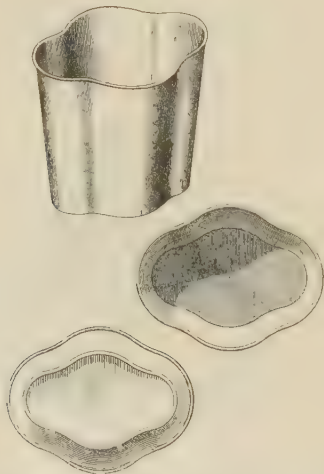
The ornamental design for a lighting fixture, as shown.

62,667. AUTOMOBILE TIRE. JACKSON D. COMSTOCK, Chester, W. Va. Filed Dec. 11, 1922. Serial No. 4,567. Term of patent 14 years.



The ornamental design for an automobile tire as shown.

62,668. WASTEBASKET. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Oct. 19, 1922. Serial No. 4,032. Term of patent 14 years.



The ornamental design for a wastebasket or similar receptacle, as shown.

62,669. DISPLAY STAND FOR HOSE CLAMPS. ADOLPH E. FEIGE, Hackensack, N. J., assignor to Universal Industrial Corporation, Hackensack, N. J., a Corporation of Delaware. Filed Oct. 19, 1922. Serial No. 4,027. Term of patent $3\frac{1}{2}$ years.



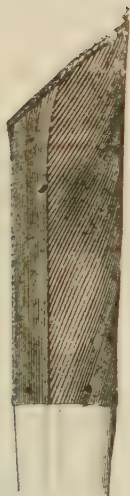
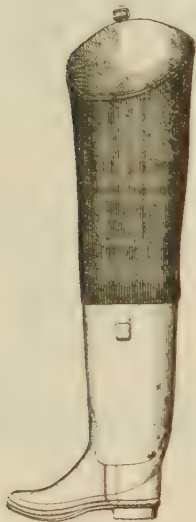
The ornamental design for a display stand for hose clamps, as shown.

62,670. METAL BASKET OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Oct. 24, 1922. Serial No. 4,074. Term of patent 7 years.



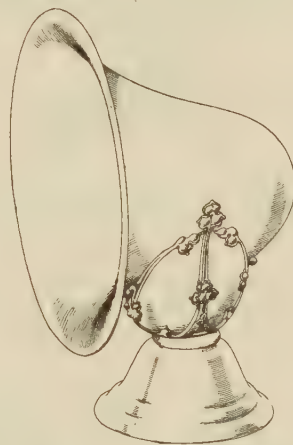
The ornamental design for a metal basket, or similar article as shown.

62,671. RUBBER BOOT. ALFRED A. GLIDDEN, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Jan. 12, 1923. Serial No. 4,866. Term of patent 14 years.



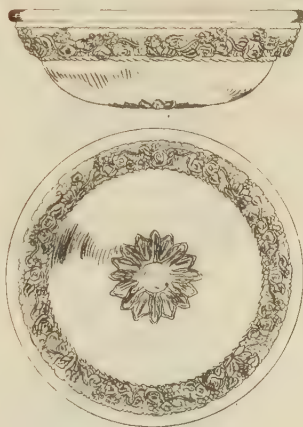
The ornamental design for a rubber boot, as shown.

62,672. LOUD-SPEAKING TELEPHONE RECEIVER. GEORGE R. LUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 12, 1922. Serial No. 3,703. Term of patent 14 years.



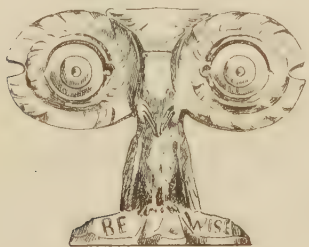
The ornamental design for a loud speaking telephone receiver, as shown.

62,673. PLATE FOR LIGHTING FIXTURES. GLENN E. McFADDEN, Lakewood, Ohio. Filed Oct. 14, 1922. Serial No. 3,973. Term of patent $3\frac{1}{2}$ years.



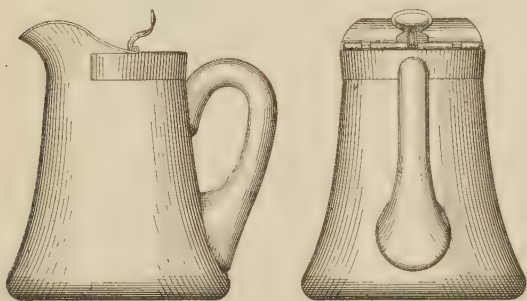
The ornamental design for a plate for lighting fixtures, as shown.

62,674. SPECTACLES DISPLAY HOLDER. ARTHUR MENG, Cleveland, Ohio. Filed Sept. 11, 1922. Serial No. 3,684. Term of patent 7 years.



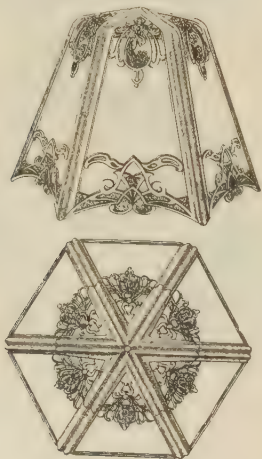
The ornamental design for a spectacles display holder, as shown.

62,675. PITCHER. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Heisey & Co., Newark, Ohio. Filed June 17, 1921. Serial No. 478,452. Term of patent 14 years.



The ornamental design for a pitcher, as shown.

62,676. LAMP SHADE. GEORGE I. SCHLEY, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 3,990. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lamp shade, as shown.

62,677. TOY ANIMAL. ELIZABETH A. TICHLER, Paterson, N. J. Filed Nov. 15, 1922. Serial No. 4,299. Term of patent 7 years.



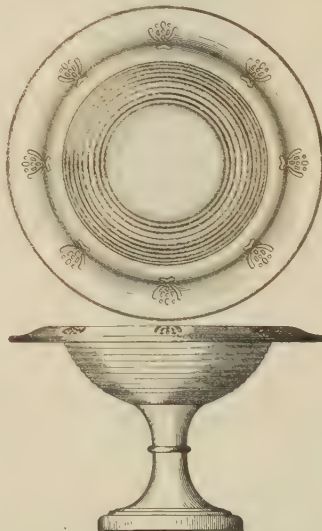
The ornamental design for a toy animal, as shown.

62,678. COMBINED LAMP AND BOOKRACK. ALBERT S. TRASK, Concord, N. H. Filed Sept. 8, 1922. Serial No. 3,654. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a combined lamp and book rack, as shown.

62,679. BOWL OR SIMILAR ARTICLE. HYMAN WANERMAN, New York, N. Y. Filed Sept. 28, 1922. Serial No. 3,837. Term of patent $3\frac{1}{2}$ years.



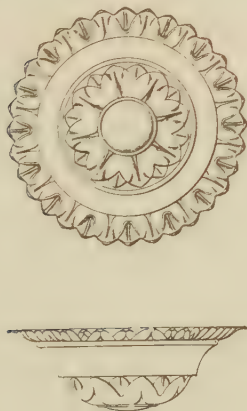
The ornamental design for a bowl or similar article, as shown.

- 62,680. BOWL OR SIMILAR ARTICLE. HYMAN WANERMAN, New York, N. Y. Filed Sept. 28, 1922. Serial No. 3,838. Term of patent $3\frac{1}{2}$ years.



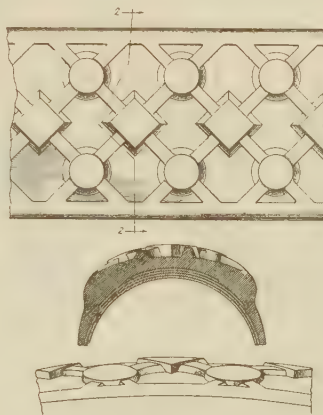
The ornamental design for a bowl or similar article, as shown.

- 62,681. PLATE FOR LIGHTING FIXTURES. PERCY S. WARMAN, Roselle, N. J., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 24, 1922. Serial No. 883. Term of patent 7 years.



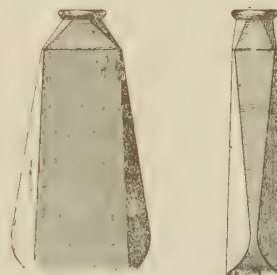
The ornamental design for a plate for lighting fixtures, as shown.

- 62,682. TIRE TREAD. EDWIN P. WEBER, Chicago, Ill. Filed Jan. 6, 1922. Serial No. 67. Term of patent 7 years.



The ornamental design for a tire tread, as shown.

- 62,683. TALCUM-POWDER BOX. CARL WEEKS, Des Moines, Iowa. Filed June 5, 1922. Serial No. 2,535. Term of patent $3\frac{1}{2}$ years.



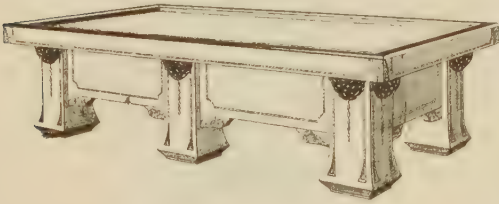
The ornamental design for a talcum powder box, as shown.

- 62,684. PERFUME BOTTLE. CARL WEEKS, Des Moines, Iowa. Filed June 5, 1922. Serial No. 2,534. Term of patent $3\frac{1}{2}$ years.



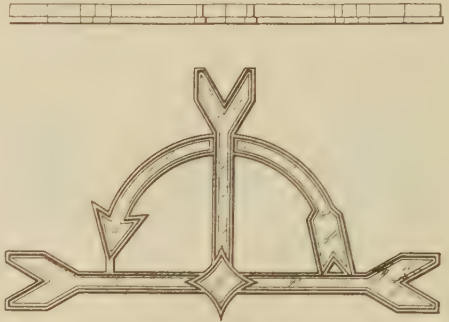
The ornamental design for a perfume bottle, as shown.

62,685. BILLIARD TABLE. CHARLES A. WENDT, Milwaukee, Wis. Filed Sept. 30, 1922. Serial No. 3,849. Term of patent 14 years.



The ornamental design for a billiard table, as shown.

62,686. DIRECTION SIGNAL. CHARLES D. WIEMER, Los Angeles, Calif. Filed June 19, 1922. Serial No. 2,731. Term of patent 7 years.



The ornamental design for a direction signal, as shown.

PATENTS

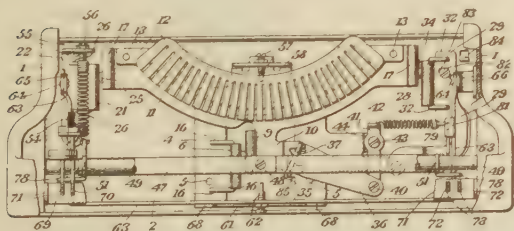
GRANTED JULY 17, 1923.

1,461,717. SEGMENT CARRIER FOR TYPEWRITING MACHINES. FRANK H. ARMSTRONG, Auburn, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Dec. 30, 1919. Serial No. 348,326. 24 Claims. (Cl. 197-74.)



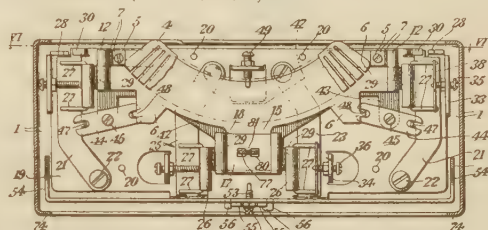
1. In a typewriting machine a vertically shiftable segment carrying member, vertically arranged raceways at the ends of said carrying member, relatively stationary complementary raceways mounted in the machine frame, anti-friction balls arranged in said raceways, and individual ball retainers to receive the balls and connected at one of their ends to the relatively stationary raceways and at their other ends to the vertically shiftable member whereby the balls will have a vertical movement with the vertically shiftable member and will be maintained in their proper relative positions in the raceways.

1,461,718. TYPEWRITING MACHINE. FRANK H. ARMSTRONG, Auburn, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Sept. 17, 1920. Serial No. 410,960. 22 Claims. (Cl. 197-72.)



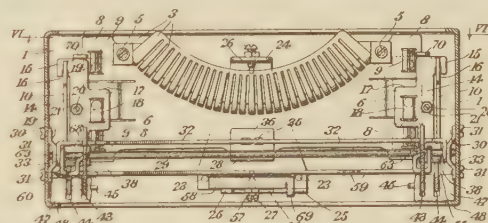
2. In a typewriting machine, the combination of a frame, a vertically shiftable type-segment support having two ball channels facing toward one side of the machine and a third ball channel facing toward the opposite side of the machine, stationary means on the frame having ball channels facing inwardly and cooperating with said first two channels on the support to form ball races, a shiftable raceway member having an inwardly facing ball channel cooperating with said third ball channel on the support to form a ball race, anti-friction balls in the races, and a spring urging said movable raceway member inwardly transversely of the machine.

1,461,719. TYPEWRITING MACHINE. FRANK H. ARMSTRONG, Auburn, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,448. 27 Claims. (Cl. 197-72.)



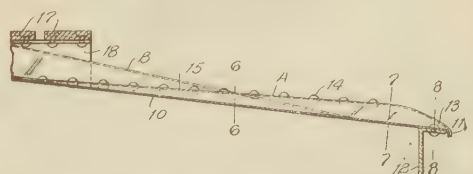
1. In a typewriting machine, the combination of a main frame, a support shiftable relatively to the main frame to vary the relation between printing instrumentalities and a platen and provided with a plurality of ball channels spaced apart transversely of the main frame, a frame part extending transversely of the main frame, a plurality of members shiftable held to said frame part and each provided with a ball channel cooperating with one of the channels on the support, means carried by said frame part for adjusting said members, balls in the raceways formed by the cooperating channels on the support and members, and means detachably holding said frame part to the main frame.

1,461,720. TYPEWRITING MACHINE. FRANK H. ARMSTRONG, Auburn, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Feb. 21, 1921. Serial No. 446,535. 37 Claims. (Cl. 197-72.)



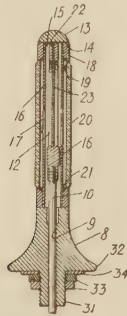
1. In a typewriting machine, the combination of a support having a plurality of resilient portions adjacent both ends thereof, a type-bar segment on the support, a plurality of guides at each end of the support, each of said resilient portions of the support cooperating with a different guide, and key-operated means for shifting the support.

1,461,721. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa. Filed June 30, 1922. Serial No. 572,063. 20 Claims. (Cl. 108-5.4.)



1. A metal car roof comprising a series of transverse stiffening ribs alternating with other stiffening ribs that are deepest adjacent to the eaves.

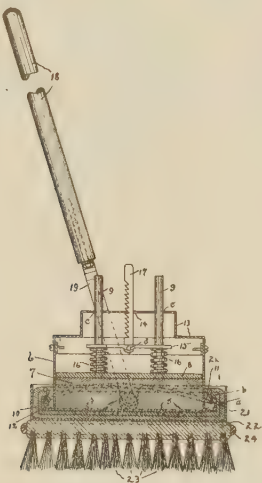
1,461,722. WATER-LEVEL INDICATOR FOR AUTOMOBILE RADIATORS. HARRISON H. BOYCE, Forest Hills, N. Y. Filed Mar. 29, 1916. Serial No. 87,422. 9 Claims. (Cl. 73—82.)



1. A water level indicator for automobile radiators comprising a frame having at its opposite faces portions through which the interior of the casing is exposed to view and adapted to be mounted upon a radiator cap, a target having a limited movement within said frame, and observable from both faces thereof, a float adapted to be inserted thru the filling neck of a radiator, and means operatively connecting said float and said target.

2. Means for indicating to the driver of an automobile the level of the cooling water within the radiator thereof comprising the combination with the radiator of a float therein, a frame mounted upon the radiator cap having a sight opening intermediate the upper and lower portions thereof, and in the direction of vision of the driver, and indicating means within said frame operatively connected to said float and movable therewith, said indicating means including a distinctive portion normally concealed from view by said frame and adapted to be moved into position to be seen through said opening when the water level changes.

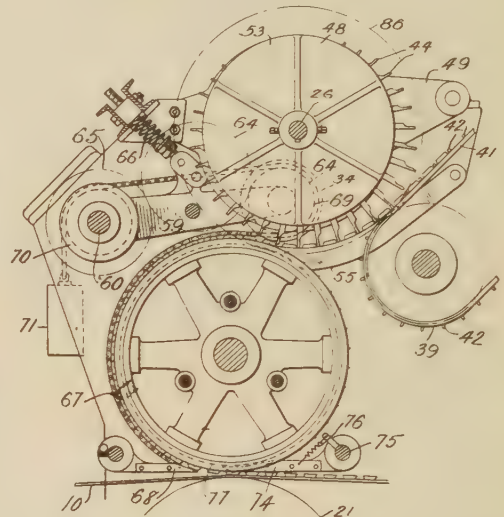
1,461,723. FLOOR WAXER AND POLISHER. JAMES G. BROOKS, Omaha, Nebr. Filed June 30, 1922. Serial No. 572,070. 5 Claims. (Cl. 91—43.)



1. In combination, a wax dispensing receptacle consisting of a perforated base-plate having upright walls and provided inwardly of said upright walls with a wax-container, a bearing-plate provided with guides and disposed in the wax-container, springs on the guides, a yoke engaging the springs and traversed by the guides, a lid on the wax-container provided with a slot and traversed by said guides, and a rack-bar in the slot of

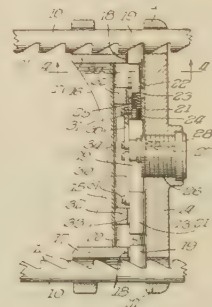
the lid, said rack-bar being pivotally mounted on the yoke and movable for moving the bearing-plate inwardly of the wax-container, subject to the resistance of said springs.

1,461,724. MACHINE FOR THE MANUFACTURE OF WALL BOARD. SIMON COOPER, Brooklyn, N. Y., assignor to Allison Bishopric, Cincinnati, Ohio. Filed Apr. 3, 1920. Serial No. 371,004. 40 Claims. (Cl. 154—1.)



1. In a wall board machine, cooperating press rolls, means for feeding between said rolls a web supplied on one face thereof with adhesive, means for supplying laths in spaced relation to the adhesive side of said web and including pins on one of the rolls for temporarily holding the laths in spaced relation and means for spacing and impaling the laths in such spaced relation on said pins.

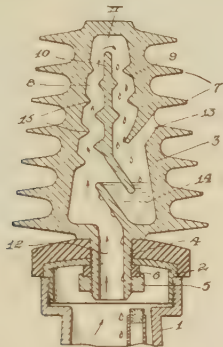
1,461,725. LOCK. THOMAS C. COOPER, Chicago, Ill. Filed July 18, 1918. Serial No. 245,447. 1 Claim. (Cl. 70—108.)



A lock comprising an embracing member provided with teeth, a locking member in the form of a one-piece casting adapted to fit said embracing member and to be moved therealong into engagement with the article to be clamped, a chamber in said casting, a plurality of guides integral with said member and projecting into said chamber, sleeves slidably mounted within said guides, locking bolts slidably mounted in said sleeves, means for yieldingly maintaining said bolts normally projected through the end walls of said member into engagement with the teeth of said embracing member, means for limiting the forward and reverse movements of said bolts, key-controlled mechanism, means connecting said sleeves therewith whereby said sleeves and bolts

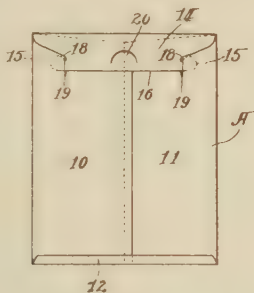
may be retracted, and a cover for said parts, the side walls of said member being designed to snugly fit the article clamped whereby access to said cover and said parts is effectively obstructed.

- 1,461,726. AUTOMOBILE RADIATOR CONDENSER. HAROLD L. CRAFTS, Rochester, N. Y. Filed Apr. 15, 1921. Serial No. 461,731. 5 Claims. (Cl. 257—25.)



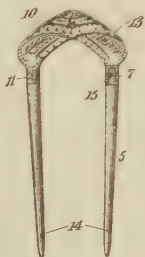
1. A condenser having a condensing chamber provided with an inlet at its bottom, a seal for collecting the condensed matters, said seal communicating with the inlet so that the overflow from the seal flows to the inlet.

- 1,461,727. ENVELOPE. WALTER H. DEUBENER, St. Paul, Minn. Filed Mar. 19, 1920. Serial No. 367,129. 6 Claims. (Cl. 229—84.)



1. An envelope comprising a pair of members, a cover closure flap hinged to one of said members, a pair of circular locking tongues extending from the edges of one of said members, arcuate slots formed along the perimeter of portions of said locking tongues and slots formed in said other member adapted to cooperate with said locking tongues.

- 1,461,728. METHOD OF FORMING HAIRPINS. MILTON A. FISHEL, New York, N. Y. Filed June 11, 1921. Serial No. 476,798. 5 Claims. (Cl. 29—160.6.)



1. The method of manufacturing a hair pin which consists in forming a substantially U-shaped blank having at

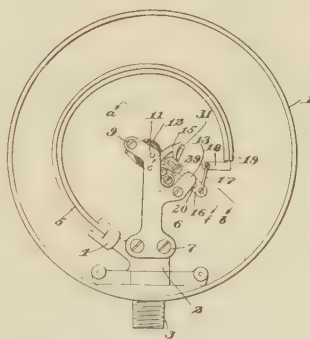
its adjacent ends a surplus amount of metal, upsetting the surplus amount of metal to provide prong-receiving elements, providing prong-receiving pockets within the prong-receiving elements, and securing within said pockets a pair of prongs.

- 1,461,729. METHOD OF FORMING SHEET-METAL BARREL CHIMES. HENRY J. FOSTER and OWEN THOMAS, Cleveland, Ohio, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 11, 1919. Serial No. 303,458. 1 Claim. (Cl. 113—112.)



The herein described method of forming sheet metal barrel chimes which consists in folding back the head providing an integral chime composed of inner and outer members, connecting said members by brazing, then folding inwardly the outer end of the chimes so constructed, and finally brazing the folded end to the barrel head.

- 1,461,730. PRESSURE-GAUGE MECHANISM. CARL H. GRAESSER, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed May 5, 1921. Serial No. 466,952. 6 Claims. (Cl. 73—109.)

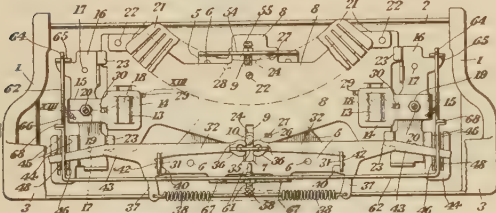
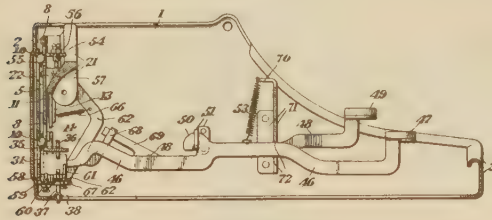


1. A gauge comprising a casing, a Bourdon tube therein, index means, a lever interposed between said tube and said index means, and spaced stop elements engageable with said lever for positively limiting the arc of movement thereof.

- 1,461,731. TYPEWRITING MACHINE. EDWIN L. HARMON, Groton, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Sept. 17, 1920. Serial No. 410,947. Renewed Jan. 18, 1923. 25 Claims. (Cl. 197—72.)

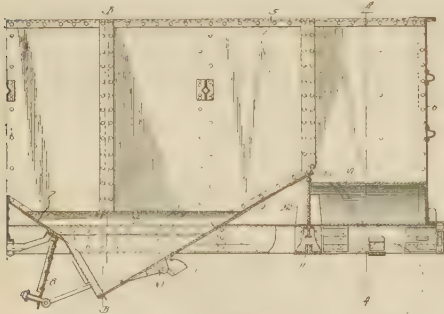
1. In a typewriting machine, the combination of a vertically shiftable type support, a lever extending transversely of the machine and connected at its inner end to said support, means pivotally supporting said lever intermediate its ends to swing in a vertical plane, a spring

connected with said lever to normally hold the type support in elevated position, and a key-operated lever fulcrumed intermediate its ends extending fore and aft of



the machine and loosely engaging under the outer end of said transversely extending lever at the rear of the fulcrum of the key-operated lever.

1,461,732. DUMP CAR. HARRY S. HART, Chicago, Ill. Filed Aug. 4, 1921. Serial No. 489,700. 5 Claims. (Cl. 105-249.)

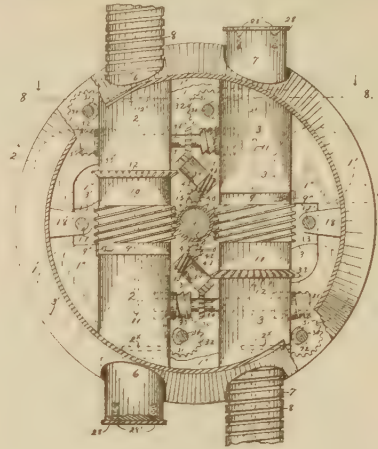


1. A dump car having sides, ends and a floor, the floor portions intermediate the car trucks comprising hoppers having floors sloping downwardly from the trucks, said floor portions terminating above the trucks in lines transverse of the car, and downwardly extending vertical walls on such lines, the remainder of the floor between said lines and the ends of the car being located below the plane of said floor portions.

1,461,733. PROPELLING DEVICE FOR AIRCRAFT. HERBERT E. HAWES, Milwaukee, Wis. Filed Oct. 26, 1921. Serial No. 510,448. 24 Claims. (Cl. 170-163.)

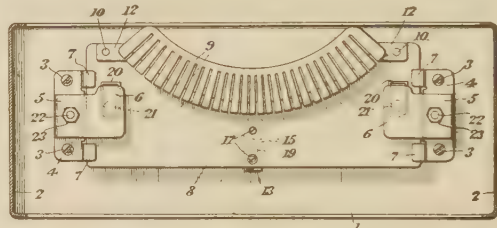
1. In an aircraft, a propeller device comprising a rotary driving shaft; a frame carried thereby; counter shafts longitudinally reciprocally carried by said frame, their axes transverse of, and offset from, the axis of the power shaft; propeller blades carried by said counter shafts and projecting outwardly from the frame; means to rotate the driving shaft; and intermediate means controllable by the aviator to intermittently operatively connect the driving shaft with the counter shafts to longitudinally

reciprocate them to desired extent in either one of opposite directions independently of speed, or direction, of



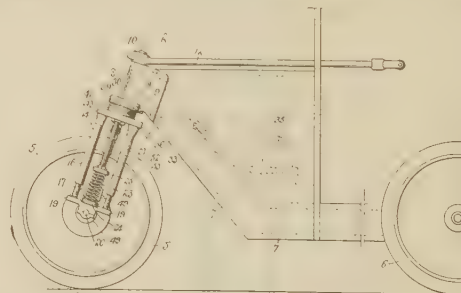
rotation of the driving shaft thereby correspondingly lengthening or shortening the projection of the blades from the frame.

1,461,734. TYPEWRITING MACHINE. OTTO PETERMANN, Groton, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed July 28, 1920. Serial No. 399,567. 21 Claims. (Cl. 197-74.)



1. In a typewriting machine, the combination of a support shiftable edgewise to change case, a centrally arranged guide at one face of the support, resilient guides spaced apart transversely of the path of movement of the support at the other face of said support and located at opposite sides of the centrally arranged guide, rolling elements between the opposite faces of the support and said guides, and adjustable means for holding the resilient guides against the rolling elements contacting therewith under tension.

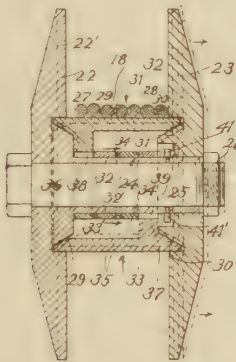
1,461,735. MOTOR VEHICLE. KARL R. PETERS, Philadelphia, Pa. Filed Feb. 9, 1922. Serial No. 535,367. 2 Claims. (Cl. 180-26.)



1. A motor vehicle comprising a vehicle frame, a steering head mounted upon the frame, a steering post pivoted

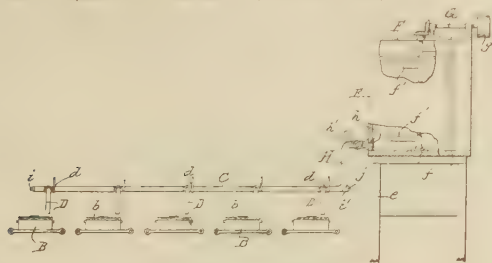
within the steering head, a transverse plate rigidly secured to the lower end of the steering post, a steering wheel, an axle carrying the steering wheel, bearings arranged upon opposite sides of the steering wheel and holding the axle, each bearing extending upon opposite sides of the axle, a pair of upstanding guide rods rigidly mounted upon the ends of the bearing upon each side of the wheel and arranged upon opposite sides of the axle, a pair of tubes arranged upon each side of the wheel and slidably receiving the guide rods and rigidly mounted upon the transverse plate near its side and near its front and rear portions, said rods and tubes being spaced, a cap rigidly mounted upon each bearing at a point near the center of the bearing and between the rods, a compressible coil spring having its lower end held within the cap, a depending rod rigidly connected with the transverse plate between each pair of depending tubes and extending into the coil spring, and a cap carried by the depending rod and engaging the opposite end of the spring.

1,461,736. COLLAPSIBLE SPOOL. WILLIAM A. PRENTISS, Holyoke, Mass. Filed Dec. 4, 1922. Serial No. 604,871. 10 Claims. (Cl. 242—115.)



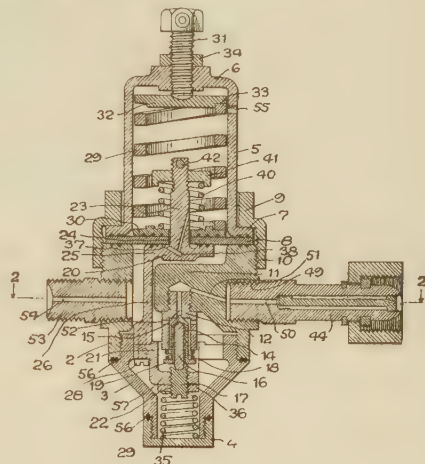
1. A spool for the purpose described, comprising a fixed and a removable head, the fixed head having a plurality of arc-shaped members movably engaging the same and movable relative thereto, one of the ends of these members having inclined surfaces, the removable head having a co-operating inclined surface to force or move the arc-shaped members outward on the fixed head when the removable head is clamped thereto.

1,461,737. MEANS FOR FEEDING ADHESIVE MATERIAL TO BOX-MAKING MACHINES. JACOB RUMNICK, New York, N. Y. Filed Sept. 24, 1920. Serial No. 412,558. 2 Claims. (Cl. 137—78.)



1. An apparatus of the class described, embodying a plurality of box making machines each provided with a hopper and with means for supplying an adhesive to material adapted to be manipulated by an attendant, an adhesive feed tank in elevated relation to said box making machines, a feed pipe adjacent the hoppers of said machines, said feed pipe having means for controlling the distribution of adhesive material to the hoppers of the individual machines, and a stand pipe connected to the tank and to the feed pipe for establishing the head or pressure required to feed the adhesive material to said feed pipe and said distributing means.

1,461,738. REDUCING VALVE. JOHN RUMPF, Jersey City, N. J., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Jan. 28, 1919. Serial No. 273,589. 16 Claims. (Cl. 50—23.)



1. In a reducing valve, in combination, a pressure chamber, a valve seat therein, a diaphragm closing one side of said chamber, a valve controlling member movable with said diaphragm, and a separate valve member having means biasing it away from said seat, and adapted to be pressed by said controlling member against said seat.

10. In a reducing valve, in combination, a pressure chamber having an outlet connected thereto, a diaphragm therefor and having an opening therein, a valve for said chamber, means forming a connection between said diaphragm and said valve and having a shoulder adapted normally to contact with said diaphragm thereby to seal said opening in said diaphragm, whereby for normal operation said diaphragm, said connecting means and said shoulder move as a unit to control said valve and, upon excessive pressure due to failure of said valve to function, said diaphragm will separate from said shoulder to allow escape of fluid from said chamber through said opening.

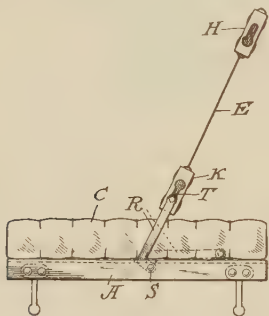
1,461,739. DRIVING MECHANISM FOR CLOCKS AND THE LIKE. KELLMANN SILBERMANN, La Chaux-de-Fonds, Switzerland. Filed Feb. 12, 1921. Serial No. 444,459. 8 Claims. (Cl. 185—27.)



8. Gravity operated driving mechanism for clocks or the like comprising an inclined track for supporting a plurality of weights, having its lower end arranged ad-

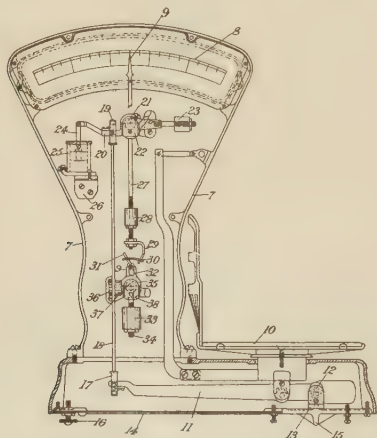
jacent transmission means consisting of an endless driving member carrying a plurality of carriers or supports located at equal distances from each other adapted to receive and discharge the weights, means for releasing the weights including a member pivoted intermediate its ends, having an upwardly projecting part at each end, one of which parts, when the member is in normal position holds the weights from movement on the track, but which, when said member is operated on the discharge of a weight from the transmission means is moved downwardly to position to release a weight, whilst at the same time the other part is moved upwardly to retain the succeeding weights, and spring means for returning the parts to normal position.

1,461,740. COUCH HAMMOCK. GEORGE F. SISBOWER, Bayside, and LOUIS E. PITTONI, New York, N. Y., assignors to Manhattan-Rome Company, branch of Rome Metallic Bedstead Co., Long Island City, N. Y., a Corporation of New York. Filed Mar. 21, 1919. Serial No. 284,131. 4 Claims. (Cl. 5—125.)



2. A hammock comprising a seat frame, end sheets having their lower portions connected with the seat frame, a back windshield having top and bottom rails, lugs on the upper portions of the end sheets detachably engaging the contiguous ends of the top rail with the windshield, and links each pivoted at one end to an end of the seat frame and having their free ends provided with lugs positioned to engage the contiguous ends of the bottom rail of the windshield, the complemental engaging portions of the top and bottom rails and the respective lugs being positioned to maintain the windshield in a taut condition when the parts are engaged.

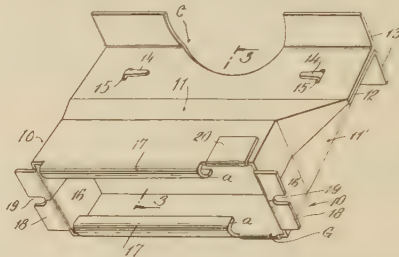
1,461,741. PENDULOUS AUTOMATIC WEIGHING SCALE. WILLIAM TIMSON, Birmingham, England, assignor to W. & T. Avery, Limited, Birmingham, England. Filed Dec. 7, 1921. Serial No. 520,690. 1 Claim. (Cl. 265—61.)



An automatic weighing scale comprising in combination a scale pan, a lever upon which the scale pan is

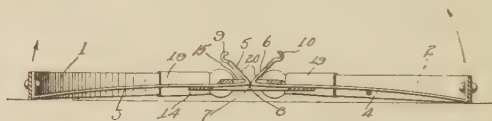
mounted, a connecting rod, a weighbeam connected to said lever by said connecting rod, a rod mounted in said weighbeam, a pendulum weight adjustably mounted on said rod, a second pendulum weight mounted vertically below aforesaid pendulum weight, a screw threaded rod on which said second pendulum is adjustably mounted, a knife-edge mounting for the second pendulum weight, a weight indicator connected to the second pendulum weight mechanism, and knife-edged plates and stays connecting the pendulous weighbeam with the second pendulum weight, for the purpose herein set forth.

1,461,742. CONCRETE INSERT. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Jan. 27, 1921. Serial No. 440,354. 7 Claims. (Cl. 72—105.)



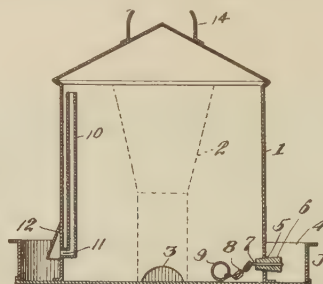
1. A sheet metal concrete insert comprising a pair of stampings secured together and forming a box adapted to house an anchor and having walls for supporting an anchor, a roof surmounting the box, webs extending from the ridge of the roof and flanges on the webs.

1,461,743. TRAP. LORENZ C. ACCOLA, Canton, Mo. Filed July 24, 1922. Serial No. 577,114. 4 Claims. (Cl. 43—88.)



4. A trap comprising two spring jaws pivotally secured to each other at their ends, integral arms carried by said jaws and adapted to abut each other to hold said jaws in opened position, a plate for holding said arms in opened position, said plate being adapted to release said arms when moved downwardly, whereby said jaws will move into engagement with each other, and integral portions carried by said arms and adapted to lock with each other when said jaws are in closed position.

1,461,744. AUTOMATIC STOCK FOUNTAIN. JOSEPH H. ARTMAN, Laurel, Nebr. Filed May 22, 1920. Serial No. 383,449. 1 Claim. (Cl. 119—77.)



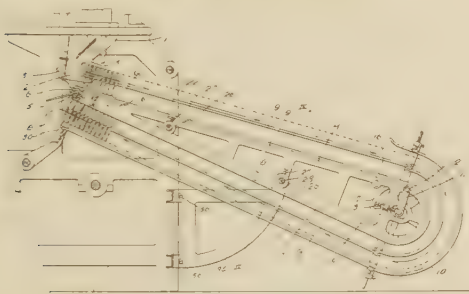
As a new article of manufacture, a drinking fountain comprising a tank having a closed top, a drinking trough

located at the bottom of the tank, said tank provided with an outlet-opening into said trough, a vertical air tube having its upper end opening into said tank and its lower end opening into said trough, and a protecting hood secured to the side of said tank and overhanging the lower end of said tube below the top of the trough, said hood being open at its lower end only and adapted to be closed when liquid rises in the trough.

1,461,745. PROCESS OF PURIFYING ANTHRAQUINONE AND ITS DERIVATIVES. FREDERICK WILLIAM ATTACK, Charleston, W. Va. Filed July 19, 1922. Serial No. 576,126. 5 Claims. (Cl. 260—57.)

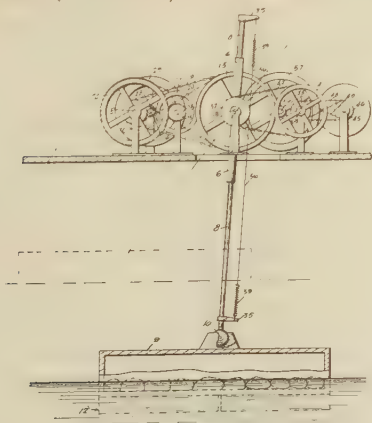
5. The process of purifying crude dry anthraquinone which comprises re-crystallizing the same from a phenol-water mixture approximating phenol-monohydrate in composition and remaining a homogeneous liquid at ordinary temperature.

1,461,746. REMOVABLE DRYING-CHAIN MECHANISM FOR ENVELOPE-MAKING MACHINES. ADDISON E. AUGUSTINE, Hackensack, N. J., assignor to Chester Machine Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 24, 1920. Serial No. 360,966. 3 Claims. (Cl. 198—134.)



1. The combination with the main frame of an envelope making machine having a chain driving roller mounted thereon, of a detachable drying mechanism for the newly gummed envelopes, said drying mechanism comprising a supporting frame, an endless envelope conveying chain adapted to engage and to be driven by said drive roller, the supporting frame having guideways along which said chain travels and by which the chain is guided directly to and away from said drive roller, and said supporting frame extending longitudinally toward said drive roller but terminating short thereof and being detachable without affecting the drive roller.

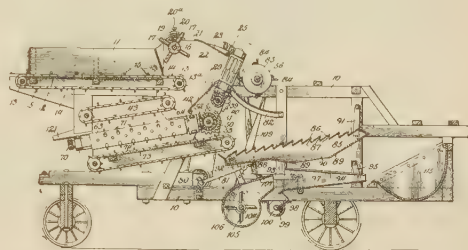
1,461,747. WAVE MOTOR. CLARENCE E. BOONE, Long Beach, Calif. Filed Dec. 22, 1920. Serial No. 432,561. 5 Claims. (Cl. 253—8.)



1. A wave motor comprising a member actuated by the waves, a shaft rotatably mounted, a radially ex-

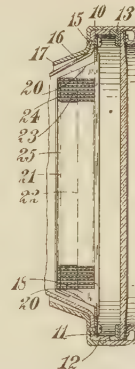
tending sleeve fixed to said shaft, a rod slidably mounted in said sleeve so as to be reciprocated therein, and connected to said member for imparting oscillating motion to said shaft from the oscillating movement of said member.

1,461,748. CORN HUSKER. OLIVER BOYER, Spencer-ville, Ohio. Filed Apr. 29, 1920. Serial No. 377,547. 9 Claims. (Cl. 130—5.)



1. In a corn husker, a plurality of snapping rolls, each roll having a plurality of longitudinal grooves, each groove comprising a relatively wide portion and a relatively narrow portion.

1,461,749. GLARE-PREVENTING DEVICE FOR LAMPS. FRANK BURBIDGE, Marston, near Northwich, England. Filed Nov. 2, 1921. Serial No. 512,347. 1 Claim. (Cl. 240—48.4.)

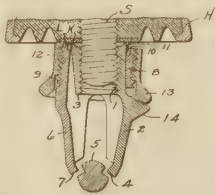


In an anti-glare device for vehicle lamps having a forwardly presented and circumferentially extending face situated behind the glass of the lamp, the combination of two vertical plates spaced apart and extending rearwardly from the plane of said face so as to project edgewise into the lamp, a series of horizontally disposed and closely spaced parallel strips of thin material mounted upon said vertical plates, said plates being interlocked with said strips by means of slots in the plates interengaging with cooperating slots in the strips and retaining wires attached to the top and bottom of said vertical plates and extending down the rear edges of said strips so as to retain them in position upon said vertical plates, and two oppositely disposed flat arcuate attachment members of thin strip material connected to said vertical plates at the opposite ends thereof so as to extend only partially around and be secured to the said forwardly presented face of the lamp, substantially as described.

1,461,750. CONDUCTOR SUPPORT. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 5, 1922. Serial No. 586,186. 15 Claims. (Cl. 191—43.)

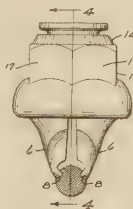
1. The combination with a support of a conductor clamp comprising a jaw member detachably secured to

the support and having means to engage the conductor, a second jaw member having means to engage the conductor opposite to that of the first jaw, means on the second jaw movable relative thereto, means on the first jaw to be engaged by the means on the second jaw where-



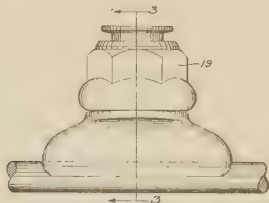
by the second jaw will be raised into a fulcrum engagement with the support and the conductor engaging means moved into clamping engagement with the conductor when the relative movable means on the second jaw is moved relative thereto.

- 1,461,751. CONDUCTOR SUPPORT. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 27, 1922. Serial No. 603,449. 10 Claims. (Cl. 191-43.)



1. A trolley wire clamp comprising a support provided with means for attachment to a hanger, a pair of jaws having a pivotal engagement with the support, each jaw having projections and rotatable means on the support to engage the projections at a point below the pivotal engagement of the jaws and support to move the jaws into engagement with a trolley wire.

- 1,461,752. CONDUCTOR SUPPORT. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 29, 1922. Serial No. 603,947. 25 Claims. (Cl. 191-43.)

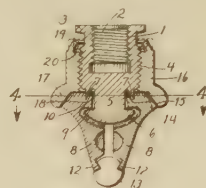


25. A conductor clamp comprising in combination means to grip a conductor, means to secure the gripping means to a support and means to open the gripping means to receive the conductor.

- 1,461,753. CONDUCTOR HOLDER. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Jan. 27, 1923. Serial No. 615,266. 23 Claims. (Cl. 191-43.)

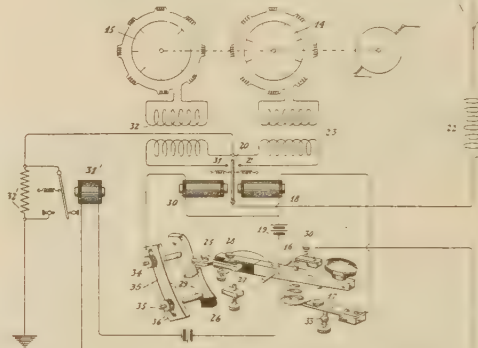
1. A conductor holder comprising a supporting member having means to secure the member to a hanger, a

pair of jaws rotatively mounted on the member and movable towards each other to grip a conductor, means on the jaws to engage means on the supporting member



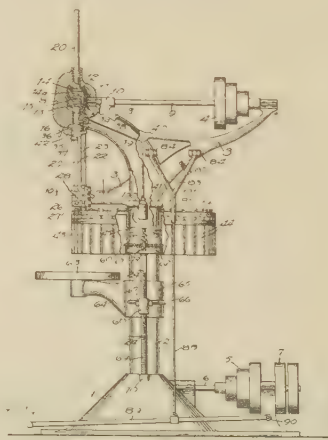
to limit the amount of relative rotation, and means on the supporting member to engage the jaws and move them into engagement with the conductor.

- 1,461,754. TRANSMITTING AND RECEIVING APPARATUS FOR WIRELESS TELEGRAPHY. GEORGE H. CLARK, Brooklyn, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Mar. 3, 1921. Serial No. 449,394. 7 Claims. (Cl. 250-8.)



1. The method of causing the sudden termination of radio signaling oscillations which consists in inducing oscillations of opposite phase in the receiving circuit to oppose the continuation of oscillations due to the stored energy in the receiving circuit.

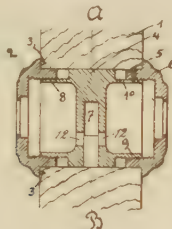
- 1,461,755. AUTOMATIC DRILL PRESS. CHARLES E. COX, Freeport, Ill. Filed July 19, 1920. Serial No. 397,252. 9 Claims. (Cl. 77-25.)



1. In a drill press, a frame, a driving spindle carried thereby, a magazine comprising an endless belt of tool-

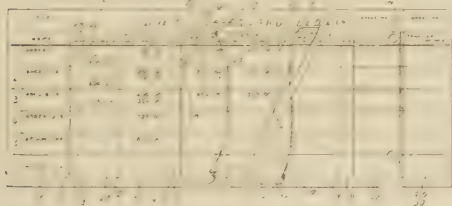
holding sleeves hinged together, means for moving the belt to bring any of the sleeves into registration with the driving spindle, and means for raising and lowering said magazine through the movement of the endless belt.

- 1,461,756. MORTISE LOCK. JOHANNES CRONING, Hamburg, Germany. Filed July 26, 1920. Serial No. 399,188. 3 Claims. (Cl. 70-16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A mortise lock consisting of a cylindrical lock casing having pockets and threaded ends, screw flanges engaging said threaded ends for compensating for different door thickness, said flanges closing said pockets, a cylindrical bolt tube of smaller diameter than said casing and screwed thereto at right angles, and means to secure one of the flanges in adjusted position.

- 1,461,757. ACCOUNTING SHEET. FREDERICK W. GROBY, River Edge, N. J. Filed Nov. 26, 1918. Serial No. 264,169. 7 Claims. (Cl. 283-66.)

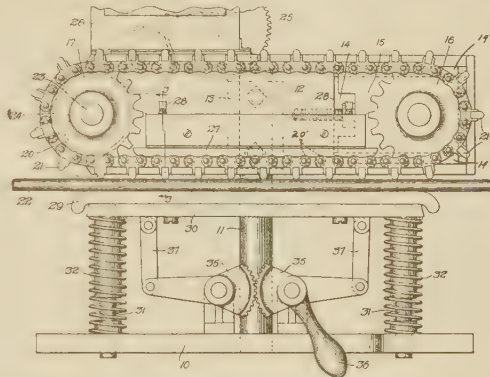


1. A safe guard ledger sheet comprising a sheet, suitable ruling and captions dividing the sheet into a plurality of sections, means dividing each section into a plurality of columns, said ruling also providing a further column at one side of said sections, said ruling also including a plurality of horizontal lines dividing all of said columns vertically into a plurality of separated spaces, a plurality of detachable "pick-up" strips associated one with each of certain of said sections, said sheet having a binder portion at one side thereof by which the sheet may be bound within a suitable binder, and said ruling defining a "pick-up" column within said binder portion, together with a detachable strip beyond said binder portion, all for use substantially in the manner set forth.

- 1,461,758. CABLE-MEASURING DEVICE. WILLIAM F. HOSFORD, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 1, 1919. Serial No. 274,560. 5 Claims. (Cl. 33-134.)

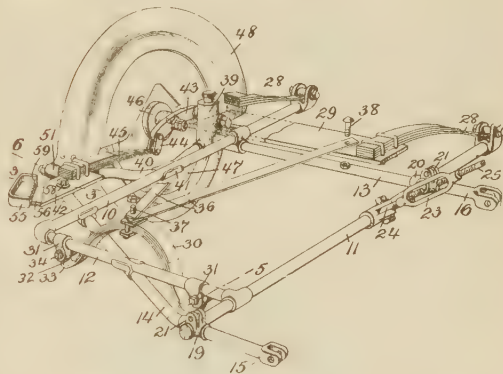
1. In a device for measuring cable, an endless movable member, rotatable elements supporting and driven by said endless movable member, means carried by said endless movable member for frictionally engaging the cable, a spring supported guide over which the cable

travels, means for moving said guide into and out of contact with the cable, adjustable means cooperating with the endless movable member for varying the pres-



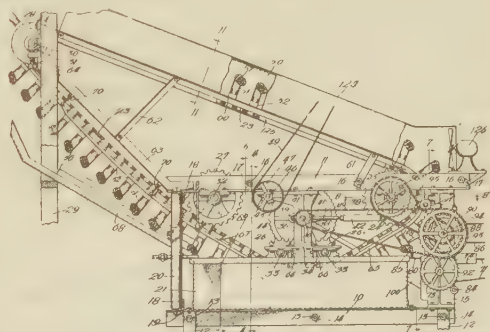
sure between the cable and the frictional engaging means on the movable member, and registering means driven by one of said rotatable elements.

- 1,461,759. SIDE CAR FOR MOTOR CYCLES. JOHN O. JOHNSTON, Newark, N. J. Filed Jan. 14, 1922. Serial No. 529,109. 8 Claims. (Cl. 208-45.)



1. A frame for motorcycle side cars comprising side bars, a front bar, a rear bar, one side bar having a front extension thereon, a tie-bar extending from said extension obliquely to the rear, and a connection between the end of the tie-bar and the rear bar for supporting a wheel.

- 1,461,760. APPARATUS FOR MOISTUREPROOFING PACKAGES. LOUIS MORINSKY, New York, N. Y., assignor, by mesne assignments, to The Cracker Jack Co., a Corporation of Illinois. Filed Sept. 25, 1919. Serial No. 326,366. 28 Claims. (Cl. 91-46.)



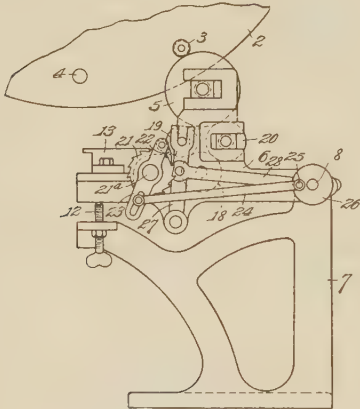
1. In an apparatus for moisture-proofing elongated, rectangular, filled packages, the combination with a tank

for moisture-proofing material, of devices for passing the packages through the material comprising an endless, flexible carrier having laterally projecting grippers arranged to engage the opposite ends of the packages, means for opening and closing said grippers to receive and discharge the packages, and means for guiding said carrier and said grippers arranged to effect the draining of the elongated, rectangular packages with the lengthwise edges thereof slightly inclined to the horizontal and with one such edge lower than the others.

12. An apparatus for moisture proofing packages, comprising a tank, a carrier having outwardly projecting pairs of package engaging grippers thereon, means for intermittently advancing said carrier to move the packages through the material in said tank, means at one portion of the path of movement of said grippers for shifting the same relatively to said carrier to thereby open the grippers for discharging and receiving packages, and means for feeding packages to the opened grippers.

25. In an apparatus for moisture proofing filled packages, a tank, a carrier having package holders for moving the packages through the material in said tank, each of said holders comprising a pair of plates between which the packages grip, said plates being free to oscillate to a limited extent in different directions, whereby they will bear squarely upon opposite faces of the package.

1,461,761. COLLAPSIBLE-TUBE-COATING MECHANISM FOR TUBE-PRINTING MACHINES. ARCHIBALD W. PAULL and ALONZO L. EDWARDS, Wheeling, W. Va., assignors to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Aug. 4, 1922. Serial No. 579,633. 6 Claims. (Cl. 91-16.)

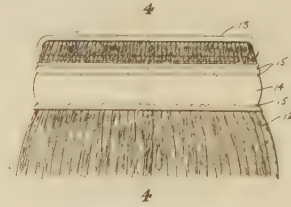


1. In mechanism for coating collapsible metal tubes, the combination with the printing roll and the rotating carrier-disk of a tube-printing machine, said disk having tube-carrying spindles on a face thereof, of a coating roll located adjacent to the path of travel of said spindles and adapted to be engaged by the peripheries of the tubes as the latter are advanced following contact with said printing roll, a reservoir for the coating material, and means intermediate said reservoir and said coating roll whereby material from the former is transferred to the latter.

1,461,762. MOP. FREDERICK W. PENDERGAST, Cambridge, Mass. Filed May 29, 1922. Serial No. 564,309. 1 Claim. (Cl. 15-229.)

A mop composed of a bunch of filaments laid side by side, an endless metal reinforcing loop member composed of substantially parallel side portions and neck

portions connecting the side portions, the filaments being threaded through the loop member, confined between the neck portions thereof, and bent across one of the side portions, so that the free ends of the filaments depend in two series from said side portion, and means connecting the depending portions at one side of the loop mem-



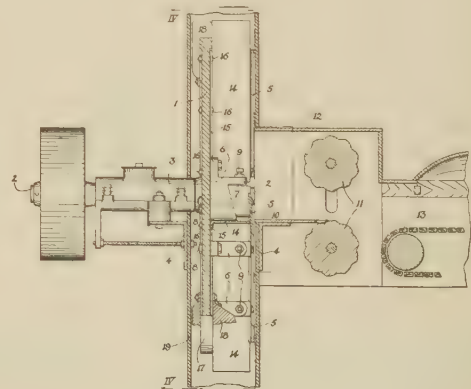
ber with those at the opposite side, said loop member, the connecting means and the filament portions associated therewith, constituting a reenforced shank, adapted to be clamped between mop head jaws, and stiffened by the loop member, so that the ends of the shank may project operatively in opposite directions from the clamping jaws.

1,461,763. SAW JOINTER. FRANK A. RAPPELBYE, Silver Creek, N. Y., assignor to Allen & Co. Inc., New Haven, Conn., a Corporation. Filed Mar. 2, 1922. Serial No. 540,466. 1 Claim. (Cl. 76-47.)



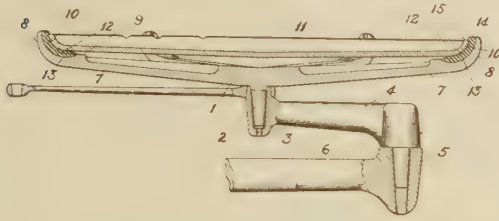
A saw jointer formed from a single strip of spring sheet metal, the central portion of which is longitudinally-slotted and bowed, the ends of the strip formed with triangular openings and with slots entering the ends of the strip and intersecting the said openings.

1,461,764. ENSILAGE CUTTER. EMMOR W. SILVER, Salem, Ohio, assignor to The Silver Manufacturing Company, Salem, Ohio, a Corporation. Filed Nov. 16, 1921. Serial No. 515,486. 3 Claims. (Cl. 146-112.)



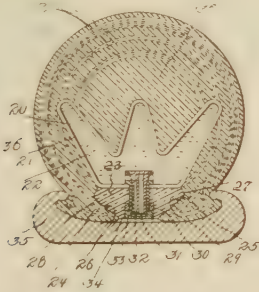
1. An ensilage cutter or the like including a wheel, a cutting blade on the side face of the wheel at an interval therefrom and an outwardly flanged deflecting plate secured to the wheel and directly between the blade and the wheel in rear of the cutting edge of the blade.

- 1,461,765. DENTAL TRAY. HENRY E. WEBER, Canton, Ohio. Filed May 11, 1921, Serial No. 468,610. 1 Claim. (Cl. 248—20.)



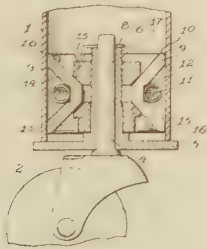
A bracket for dental trays and the like, having a plurality of upwardly curved radial resilient ribs partially countersunk in the bracket for bearing and clamping around the rim portion of the tray.

- 1,461,766. TIRE. ANDREW J. WIEGAND, Baltimore, Md. Filed Dec. 15, 1916. Serial No. 137,174. 10 Claims. (Cl. 152—1.)



1. A cushion tire having an annular channel extending from its inner edge, a closure ring for said edge, said channel having walls inclining to the inner surface of said ring, and a pair of annular ribs projecting toward said ring, the outer walls of said ribs being adapted to seat against said first walls.

- 1,461,767. EXPANSIBLE COUPLING MEMBER. EWALD W. WEYBAUGH, Rochester, N. Y. Filed Jan. 12, 1922. Serial No. 528,733. 6 Claims. (Cl. 16—39.)

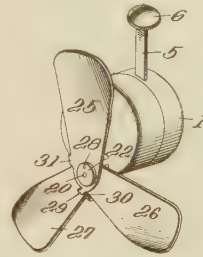


1. An expansible coupling member comprising a socket cover plate, a post rigid with and extending centrally from said cover plate, gripping devices surrounding said post adapted to cooperate with the walls of the socket and spreading means for said gripping device operated by the turning of the cover plate and the post.

- 1,461,768. HAND-OPERATED TOILET FAN. EDWARD W. WISCH and WALTER J. WISCH, Baltimore, Md., assignors to themselves, Sidney C. Vincent, and Frederick C. Volkman, both of Baltimore, Md. Filed May 11, 1921. Serial No. 468,466. 5 Claims. (Cl. 230—33.)

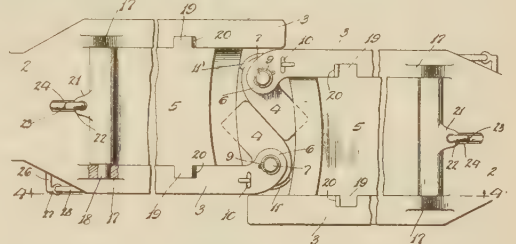
1. In a fan of the character described, the combination with a fan shaft, and means for driving said shaft, a series of fan blades carried by the shaft, one of the

blades having positive connection with the shaft, and a plurality of means carried by the positively connected blade adapted to cooperate with the remaining blades



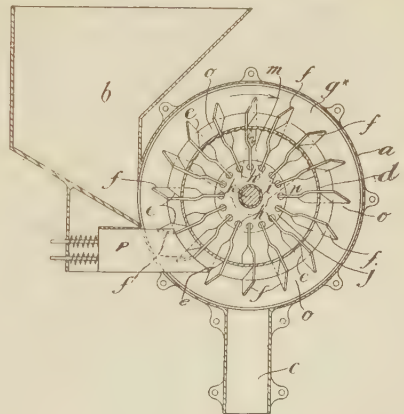
whereby each of the remaining blades is forced by said means to open or unfolded position and carried with the fixed blade upon the rotation of the fan shaft.

- 1,461,769. CAR COUPLING. JOHN H. EGGERS, Jr., Huntingburg, Ind. Filed June 29, 1921. Serial No. 481,369. 1 Claim. (Cl. 218—110.)



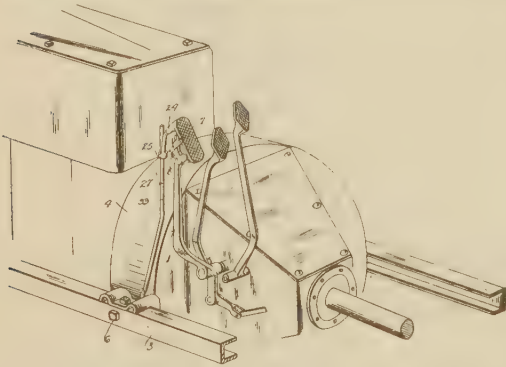
A car coupling comprising a drawhead, a knuckle pivotally mounted at the end of the drawhead at one side of the same, yieldable means holding the knuckle normally in uncoupled position, a locking head pivotally mounted upon the drawhead at the rear of the knuckle and normally supported by the drawhead in the path of an opposed knuckle, a rock shaft mounted on the under side of the drawhead, connections between said rock shaft and the locking head, and connections between the said rock shaft and the knuckle whereby inward movement of the knuckle will raise the locking head to permit the coupling operation.

- 1,461,770. SEED-SOWING MACHINE. THOMAS CHARLES ELLIS, ALFRED JEFFERY, and HARRY MADDOCKS, Peterborough, England. Filed July 6, 1922. Serial No. 573,157. 3 Claims. (Cl. 221—135.)



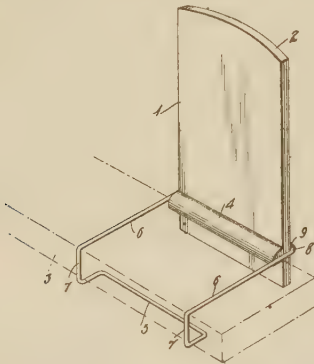
1. A seed sowing device including a casing comprising side plates, a hollow frusto-conical drum having peripheral slots arranged between said plates, and a series of pallets slidably adjustable through said slots to form adjustable pockets for the reception of the seed to be sown.

1,461,771. CLUTCH-PEDAL ATTACHMENT. EDGAR S. ENGLE, Greensburg, Pa. Filed Oct. 21, 1920. Serial No. 418,358. 10 Claims. (Cl. 74—81.)



1. In a locking device for clutch pedals of the class described, an oscillatory foot actuated member associated with the clutch pedal, a clutch member upstanding in advance of the clutch pedal and pivotally movable in consonance therewith, and a clutch member associated with the said foot actuated member and coacting with the first mentioned clutch member.

1,461,772. SEAT BACK. WELLINGTON G. FULLER, Aberdeen, S. Dak., assignor of one-half to Stuart C. Searle, Aberdeen, S. Dak. Filed Apr. 3, 1922. Serial No. 549,047. 2 Claims. (Cl. 155—133.)

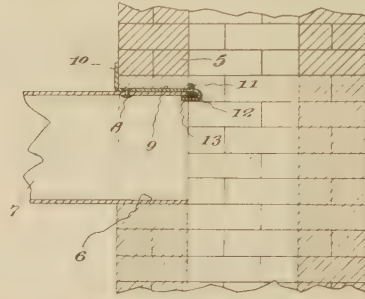


1. A readily detachable seat back comprising a substantially U-shaped seat engaging member, the parallel legs of which, when in operative position, are adapted to engage the upper surface of a seat member, said legs being provided with angularly disposed portions adapted to intimately engage the front edge of the seat member, said angularly disposed portions being connected by a horizontally disposed member adapted to intimately engage the under surface of the seat member; a back member pivotally secured to the free ends of said legs, a portion of said back member projecting below the pivot point and adapted to intimately engage the rear edge of said seat member, and to thereby prevent the backward tilting of said back member; and independent means comprising a cleat provided with a relatively broad flat bottom surface carried by said back member adjacent its lower end in cooperative relation to said seat member adapted to normally prevent forward tilting of said back member.

1,461,773. STOVEPIPE LOCK. THEODORE N. GOFFE, Springfield, Mo. Filed Nov. 27, 1922. Serial No. 603,636. 2 Claims. (Cl. 126—318.)

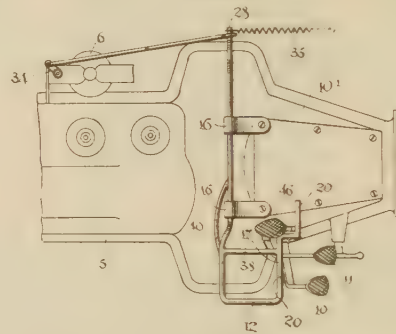
2. A stove-pipe lock comprising in combination with a stove-pipe, a metal strip secured intermediate its ends

to the pipe end and projecting at one end therefrom, said strip being flexible to permit bending of its inner end outwardly of the pipe, and its projecting end into a



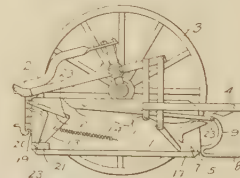
hook, and a keeper for the hook, said keeper comprising a cross-rod having a loop intermediate its ends to receive the hook.

1,461,774. ACCELERATOR. CLINT HAMMOND and WILLIAM INMAN, Boyne City, Mich., assignors of one-third to said Inman and two-thirds to Hylon J. Heaton and Sabin Hooper, Boyne City, Mich. Filed July 5, 1921. Serial No. 482,481. 11 Claims. (Cl. 74—107.)



1. An accelerator formed from a length of metal formed with a bend defining a pair of arms, one of said arms being formed with an offset defining pedal and foot-engaging portions, and attaching means associated with the other arm.

1,461,775. ATTACHMENT FOR WHEELED SCOOPS OR SCRAPERS. CENTENNIAL W. JERRY, Cumberland, Wis. Filed Oct. 17, 1921. Serial No. 508,417. 15 Claims. (Cl. 55—17.)



1. The combination, of a wheeled scoop, a finger-bar pivoted to the front end of the scoop and provided with a lever arm, a link pivotally connected to said lever arm, an angle lever pivoted to the side of the scoop, a link pivoted to one arm of the angle lever and the end of the first mentioned link, whereby the finger-bar may be caused to turn on its pivot by means of the angle lever.

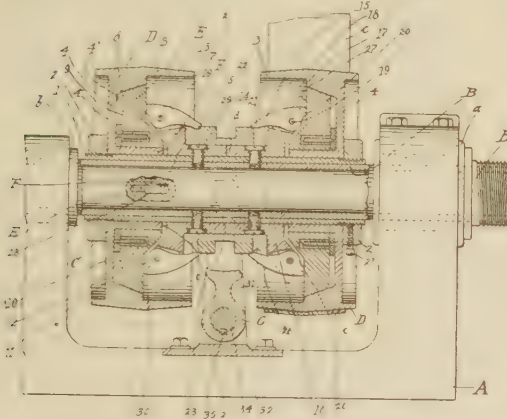
2. The combination, of a wheeled scoop having means for raising the scoop and a latch for holding it in raised position, means for gathering stones, means for preventing the scoop and stone gathering means from entering the ground, and a series of catches adapted to be engaged by the latch for controlling the operation of the device in loose ground.

6. In an attachment for wheeled scoops, a bar member, an end finger provided with a gudgeon and having a lever arm, and means for detachably securing the finger to the bar at its end.

10. In an end finger for stone-gathering attachments for wheeled scoops, the combination, of a body portion adapted to be secured to a finger-bar, a finger member, a gudgeon, and a lever arm.

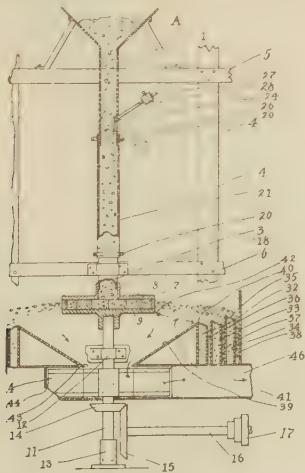
14. In a wheeled scoop the combination of, a finger-bar pivoted to the scoop and adapted to lie flat upon and be supported by the bottom of the scoop, and fingers on said bar.

1,461,776. REVERSING MECHANISM FOR LATHES.
HENRY J. KIAM, St. Paul, Minn. Filed Oct. 16, 1920.
Serial No. 417,293. 3 Claims. (Cl. 192—21.)



3. A reversing mechanism for lathes comprising a spindle rotatably mounted, a pair of pulleys journaled on the spindle and having opposed dished faces, a clutch member journaled on the hub of each pulley and adapted to be slid thereon to nest in the dished portion of its pulley, a spool-like housing secured on the spindle between the clutch members, a plurality of clamping levers pivoted on the end flanges of the housing for camming against the clutch members to move them to operative position, means for loosely connecting the clutch members to the housing, and a shift ring slidable on the housing for selectively engaging the respective clamping levers to render them operative.

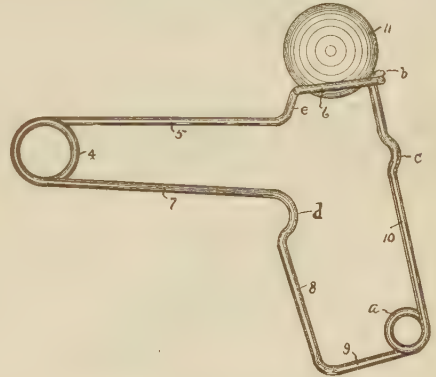
1,461,777. CENTRIFUGAL SEPARATING MACHINE.
FRITZ KOCH, St. Paul, Minn. Filed July 27, 1921.
Serial No. 487,899. 2 Claims. (Cl. 83—54.)



1. A separating apparatus comprising centrifugal separating mechanism, said mechanism including a hollow

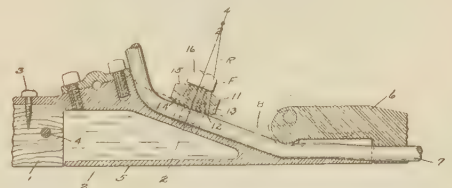
rotor mounted to rotate about a vertical axis and having peripheral discharge openings, a feed conduit coincident with said axis and opening in approximately air tight relation into the interior of said rotor, means for rotating the rotor to create a suction in said conduit, and a flexible conduit section, forming part of said feed conduit, the sides of said flexible section being capable of contraction responsive to the suction action of said rotor.

1,461,778. TOY PISTOL. OLIVER C. MADISON, Omaha, Nebr.; Minnie B. Madison executrix of said Oliver C. Madison, deceased. Filed Nov. 25, 1921. Serial No. 517,805. 1 Claim. (Cl. 124—12.)



In a toy pistol, a resilient strand bent between its ends to provide a coiled spring and a rectilinear projector arm having a circular loop at one terminal of the strand to form a holder for a ball, and forming a rectilinear supporting arm, and bent adjacent to and intermediate said supporting arm and its second terminal to approximately an angular form to provide a handle having an inwardly curved part adjacent to the supporting arm for use as a finger-hold and having an outwardly curved part adjacent to its second terminal to provide a hand-guard, said strand at its second terminal being provided with a lug adapted to engage within said loop, that part of the projector arm adjacent to the loop being bent outwardly to dispose the loop in a plane outwardly of the plane of the projector arm for limiting the arc of movement of the loop when the lug is released from said loop.

1,461,779. HOLDING DEVICE. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed May 27, 1922. Serial No. 564,169. 19 Claims. (Cl. 191—39.)



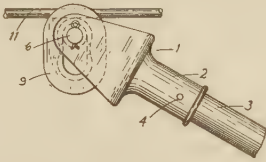
1. A holding device comprising a body member and a clamping member, holding means disposed on opposite sides of the clamping member to maintain the clamping member in position, means on the clamping member engaging means on the holding means to permit the clamping member to pivot about the point of engagement as a fulcrum and means on the holding means for adjusting the pivotal point of engagement of the clamping member towards or away from the body member.

- 1,461,780. SUPPORT FOR ELECTRIC CONDUCTORS. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 23, 1922. Serial No. 602,907. 16 Claims. (Cl. 191—36.)



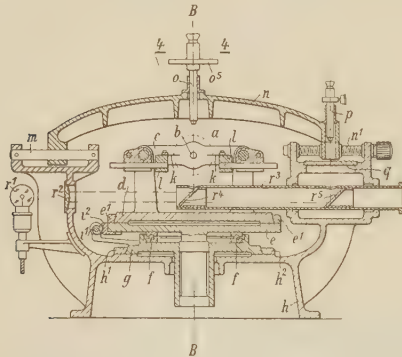
1. The combination of an elongated insulating member, means to secure a conductor to each end of the member permitting the conductor to pass along one edge in longitudinal relation thereto, means to secure a conductor to an opposite edge in transverse relation thereto and an elongated slot extending through said member and substantially along its longitudinal neutral axis between said conductors.

- 1,461,781. CURRENT COLLECTOR AND SLEET REMOVER. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Mar. 26, 1923. Serial No. 627,603. 16 Claims. (Cl. 191—59.1.)



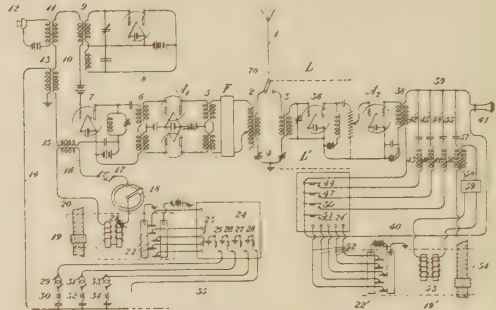
5. An article of manufacture comprising a support and a member mounted thereon to rotate relative thereto and to engage a conductor and to rotate relative thereto, the rotation of the member relative to the conductor comprising alternate periods of rotation and rest as the support moves longitudinally to the conductor in the same direction.

- 1,461,782. APPARATUS FOR TESTING BOLT THREADS. FRANZ MEYER, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 8, 1921. Serial No. 490,736. 1 Claim. (Cl. 88—14.)



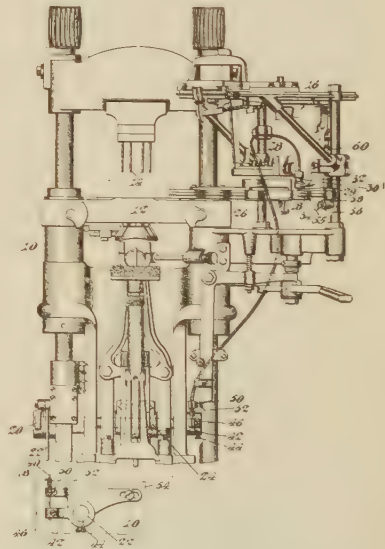
In an apparatus for testing bolt threads a microscope, containing in the focal plane of its ocular a linear mark rotatable about the axis of the microscope, means for supporting the screw bolt with relation to the microscope, other means for displacing the screw bolt and the said microscope relatively to each other in a plane perpendicular to the axis of the said microscope, two knife-edges and means for supporting the said knife-edges with relation to the said bolt, these means being adapted to hold the knife-edges independently of each other in the plane containing the bolt axis and perpendicular to the microscope axis against two thread flanks of the bolt.

- 1,461,783. SECRET-COMMUNICATION SYSTEM. RALZEMOND D. PARKER and BAXTER P. HAMILTON, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 27, 1919. Serial No. 347,776. 9 Claims. (Cl. 179—1.)



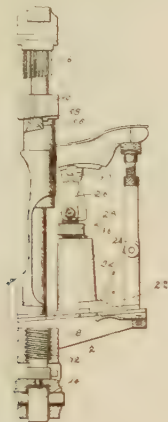
1. A telephone transmission system including a sending station and a receiving station, means at said sending station for intermittently superimposing on the telephone current a distorting current, a normally inoperative shunt across the telephone circuit at said receiving station tuned to be resonant to the frequency of said distorting current, and means for rendering said shunt operative whenever said distorting current is superimposed on said telephone current.

- 1,461,784. NAIL-TRANSFERRING MECHANISM. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 2, 1919. Serial No. 327,967. 14 Claims. (Cl. 1—36.)



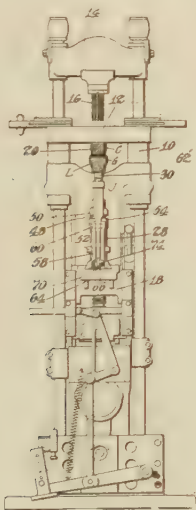
1. In a machine of the class described, controllable actuating mechanism for the machine, nail-receiving means, mechanism for transferring nails to the receiving means, means controlled with the actuating mechanism for controlling the transferring mechanism, and means acting upon said controlling means for independently governing the transferring mechanism.

1,461,785. WORK SUPPORT. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 24, 1919. Serial No. 340,116. 17 Claims. (Cl. 12—127.)



1. In a machine of the class described, the combination of a shoe support, a guide in which said shoes support is normally freely movable substantially horizontally in a right line, and means acting upon the guiding surface to lock the support against movement at a predetermined period in the operation of the machine.

1,461,786. JACK. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 4, 1920. Serial No. 414,501. 17 Claims. (Cl. 1—19.)

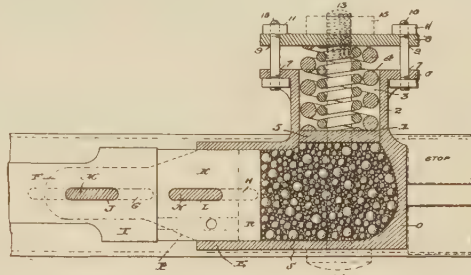


1. The combination with operating mechanism and a carrier for a shoe-portion of a support co-operating therewith, a jack mounted for movement on the support toward and from the operating mechanism and carrier, and movement limiting means for the jack, said means co-operating with the support and being variable in position, and a movable member co-operating with the movement-limiting means to vary its position.

1,461,787. KINETIC-ENERGY-TRANSFORMING MEANS FOR CARS. FRANK E. STEBBINS, Washington, D. C. Filed Mar. 16, 1920. Serial No. 366,380. 73 Claims. (Cl. 213—22.)

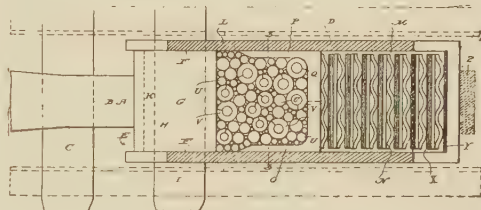
1. A friction draft or buffing apparatus comprising a hollow metallic casing or housing and a follower or

plunger forming an inclosed space or chamber, one of said parts being slidable relative to the other under impact, and a mobile mass of bodies having frictional contact with one another within the chamber, said mass being adapted to transmit part of the kinetic energy of



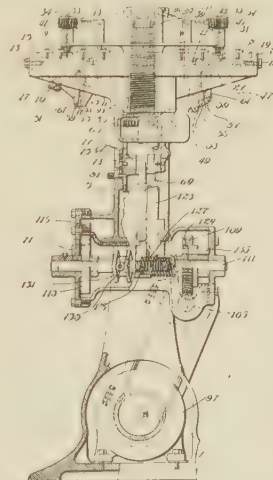
the impact to the inner area of the casing defining the chamber; said apparatus being so constructed and the parts combined that the inclosed space or chamber is variable in shape under variations of pressure to permit corresponding change of shape of the mobile mass under such variations of pressure.

1,461,788. KINETIC-ENERGY-TRANSFORMING MEANS FOR CARS, BUMPERS, ETC. FRANK E. STEBBINS, Washington, D. C. Filed Mar. 20, 1920. Serial No. 367,482. 31 Claims. (Cl. 213—31.)



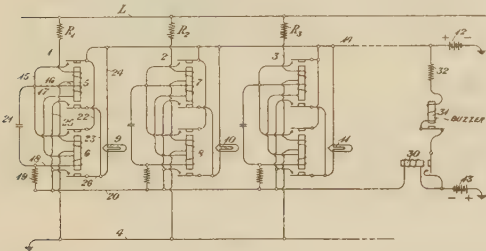
1. A friction draft or buffing apparatus comprising a housing structure, a plurality of friction bodies some being of greater length than thickness assembled to form a mobile mass located within said structure, and means whereby said friction bodies are allowed a relative movement under load or impact.

1,461,789. BLANK-SORTING MACHINE. WILLIAM C. STEWART, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 27, 1921. Serial No. 525,053. 34 Claims. (Cl. 83—92.)



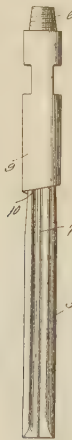
sustain the blank and movable into a position in which it ceases to sustain the blank to permit the blank to be discharged from it, and means controlled by the extent a dimension of the blank for moving the support into the last-named position, said means including a presser, and means for causing it to be pressed against the blank.

1,461,790. MAXIMUM-VOLTAGE INDICATOR. MORTON SULTZER, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 31, 1919. Serial No. 301,002. 5 Claims. (Cl. 177—351.)



5. A voltage indicating device for a transmission line including a plurality of individual relay units, means for connecting said relay units in parallel with the transmission line, each of said connecting means including a resistance element of different value whereby each of said relay units will be responsive to potentials of different magnitudes impressed on said line, and signaling means common to all of said units and controlled by either one of said units.

1,461,791. DRILL. FRANK W. ZIMMERMAN, Amarillo, Tex. Filed Sept. 7, 1921. Serial No. 499,121. 1 Claim. (Cl. 255—73.)

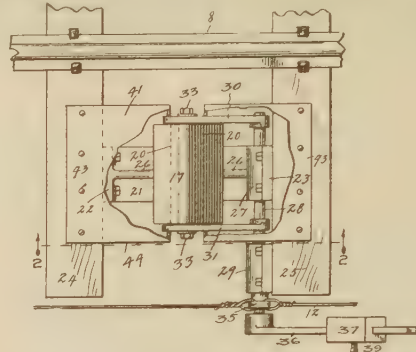


In a drill, a body portion formed with grooves in the opposed side faces thereof, a reamer formed integral with the body and disposed adjacent to one end thereof, the reamer being formed eccentrically with respect to the body portion, the cutting edge of the reamer being spirally formed and merging with the walls of one of the grooves of the body.

1,461,792. TRACK DEVICE FOR AUTOMATIC TRAIN CONTROL. WILLIAM M. BECK, Elwood, Ind. Filed Mar. 12, 1923. Serial No. 624,321. 9 Claims. (Cl. 246—351.)

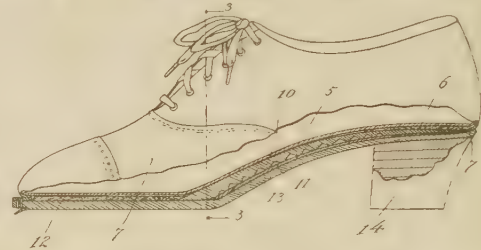
1. In a device for the purposes specified, a head to contact with a train-member, a rock-shaft having one or

more arms, means comprising a pivot for each arm connecting same with the head, manually operated means for



rocking the shaft to move the head into the path of the train-member and adjustable means for varying the projection of the head into the path of the train-device.

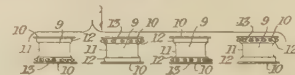
1,461,793. SHOE. HENRY B. BOHR, Cincinnati, Ohio, assignor to The Julian & Kokenge Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 11, 1921. Serial No. 444,242. 2 Claims. (Cl. 36—71.)



1. In a shoe, an insole shaped to provide a support for the structure of the foot intermediate the normal tread portions thereof, an outsole, and a filler between the outsole and the insole having a non-resilient metallic portion, and a resilient portion lying between the outsole and the insole.

2. In a shoe, an insole shaped to provide a support for the structure of the foot intermediate the normal tread portions thereof, an outsole, and a filler between the outsole and the insole having a non-resilient metallic portion, and a resilient portion, both lying between the insole and the outsole, and the resilient portion lying at least in part between the metallic portion and the insole to serve as a cushioning pad for the said metallic portion.

1,461,794. FLUID-TREATING APPARATUS FOR FILMS. CHARLES DE MOOS, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 3, 1922. Serial No. 533,984. 9 Claims. (Cl. 95—94.)

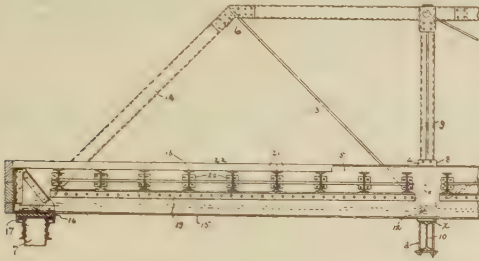


1. Apparatus for fluid treating motion picture film having sets of perforations therein, comprising treatment vessels and means for conducting said film through said vessels, said means including a series of perforation-engaging tractive members, certain of said members engaging only one set of perforations and others engaging only another set of perforations.

1,461,795. BRIDGE-REENFORCING MEANS. ROBERT Z. DRAKE, Omaha, Nebr. Filed Jan. 19, 1923. Serial No. 613,567. 7 Claims. (Cl. 14—4.)

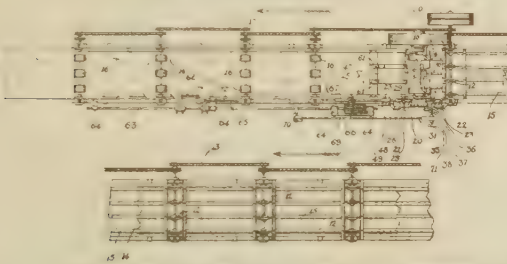
1. The combination with the truss span of a bridge, said truss span being provided with cross-beams and having

its ends disposed on ground supports, of girders mounted to permit movements independently of the truss span and provided with a floor, said girders being normally disposed



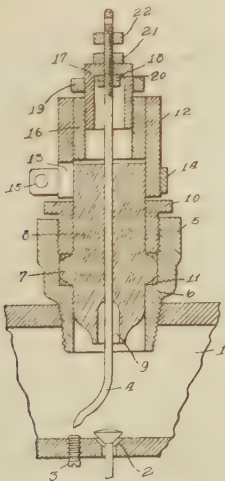
above and adjacent to the cross-beams and engaging said ground supports and adapted to be deflected downwardly into engagement with said cross-beams.

1,461,796. SHEET-TRIMMING MACHINE. CARL A. FRAHM, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed July 1, 1921. Serial No. 481,783. 30 Claims. (Cl. 164—49.)



1. A sheet trimming machine including a reciprocating head with shearing edges on opposite sides, shearing dies co-operating with the shearing edges and two independently operated trip mechanisms for controlling the operation of said head.

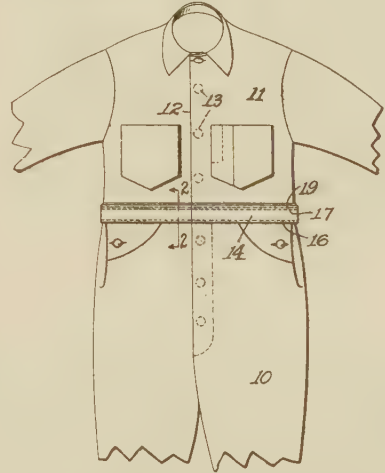
1,461,797. SPARK PLUG. WILLIAM A. HEIDE, Detroit, Mich. Filed July 3, 1920. Serial No. 393,800. 2 Claims. (Cl. 123—169.)



1. In a spark plug the combination with a shell and an insulating core, of an electrode, and means for adjusting the electrode longitudinally relative to the core, said means including a threaded member through which the electrode extends, means upon the electrode and within said member for holding the electrode against movement in one direction relative to the member, means upon the electrode for engaging the outer portion of said member

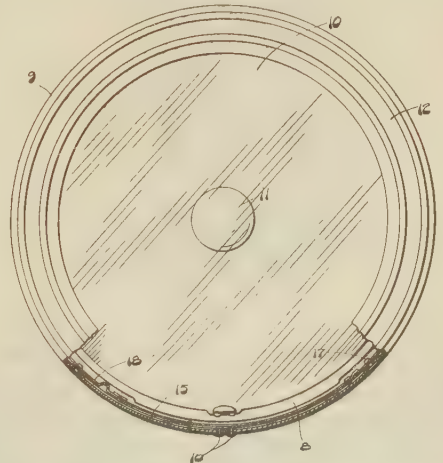
for indicating the size of a spark gap to be produced, said member being shiftable against the gap indicating means to support the electrode at the proper point to produce the desired gap, means for locking said member in shifted position relative to the insulating core, and means for securing the electrode to the member and against relative movement after it has been adjusted to a spark gap of the desired size.

1,461,798. COMBINATION OVERALLS. ANDREW G. HILDRETH, Worcester, Mass. Filed Feb. 25, 1921. Serial No. 447,775. 1 Claim. (Cl. 2—144.)



As an article of manufacture, combination overalls comprising an upper coat section, a lower pants section, a belt portion formed of two thicknesses of material permanently enclosing and connecting the adjacent edges of said upper and lower garment sections, and closing means for said garment, said upper coat section having a portion of its material adjacent its lower edge formed as a surplus fold originally and temporarily secured to the upper edge of said belt portion by separate and additional stitching and readily releasable from folded condition to increase the effective length of the garment without disturbing the permanent connection of said belt portion to said upper and lower garment sections.

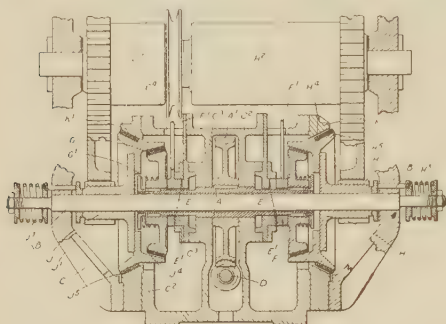
1,461,799. CLOSURE CONSTRUCTION FOR AUTO LAMPS. EUGENE A. KUEN, Cincinnati, Ohio, assignor to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 8, 1921. Serial No. 506,420. 4 Claims. (Cl. 240—41.)



1. A closure construction for auto lamps, comprising a closure rim having an annular rearwardly extending wall,

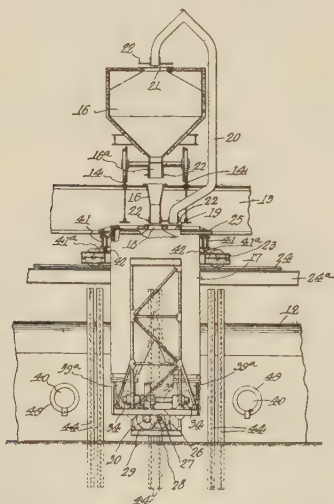
a metal strip located within the wall in annular formation, and means adapted to secure the ends of the strip to the wall and to permit discharge of moisture there-through.

1,461,800. HOISTING AND LUFFING MECHANISM FOR CRANES. ROBERT STANLEY LEWIS, Ipswich, England, assignor of one-half to Ransomes & Rapier Limited, Ipswich, England, a Company. Filed Oct. 2, 1922. Serial No. 591,915. 5 Claims. (Cl. 192—18.)



1. In hoisting and luffing mechanism for cranes the combination of a driving member, driven members coaxial therewith on either side thereof, a luffing mechanism geared to one of the driven members, a hoisting mechanism geared to the other driven member, a clutch member on each driven member, corresponding clutch members on the driving member, a brake member on each driven member, a stationary brake surface for each brake, means tending normally to apply said brakes and means for imparting axial movement to the driving clutch members so as to couple the driving and driven members and simultaneously release the corresponding brake.

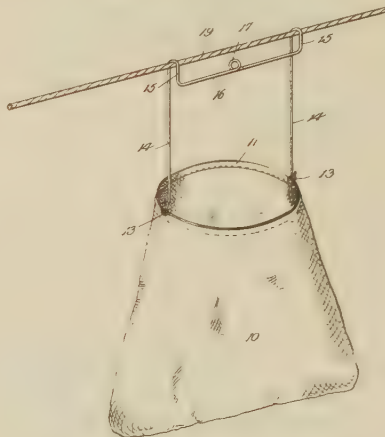
1,461,801. APPARATUS FOR CHARGING REVERBERATORY FURNACES. ALEXANDER GRANT MCGREGOR, Warren, Ariz. Filed Jan. 9, 1922. Serial No. 527,987. 10 Claims. (Cl. 214—18.)



1. The combination with a reverberatory furnace the side walls of which are provided with charging holes located down near the slag line of the molten material, of a travelling charging machine comprising a hopper for the material to be entered into the furnace, a motor mounted on said machine to travel therewith, a charging member communicating at its top with the chamber of said hopper, one or more plungers working in said

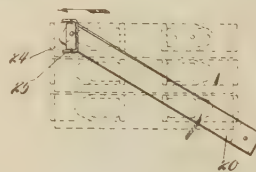
charging member, said connecting operating mechanism comprising a shaft operated by said motor, a second shaft geared to the motor shaft and provided with a worm, a crank shaft having a worm-wheel meshing with said worm, and one or more cranks connected with said plunger or plungers.

1,461,802. BAG HOLDER. DAVID O. McROBERTS, Stewardson, Ill. Filed July 6, 1921. Serial No. 482,788. 1 Claim. (Cl. 83—26.)



A bag holder comprising a spreader ring to be secured in the mouth of the bag, and a hanger consisting of two parallel arms engaged at their lower ends with the spreader ring at diametrically opposite points thereof and having their upper ends forming inverted hooks to engage over a supporting line, a cross bar connecting the terminals of said hooks, and an eye in said cross bar between the hooks, said eye lying entirely below the bights of the hook.

1,461,803. BAND BRAKE. GEORGE W. MACBRIDE and GEORGE C. BONNEY, Boston, Mass., assignors to MacBride Co., Southport, Me., a Corporation of Maine. Filed Apr. 28, 1922. Serial No. 557,105. 10 Claims. (Cl. 187—249.)



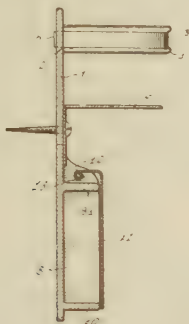
5. In combination, a brake band, a lining member for said band, and means at one end of said member engageable with said band when said member is at an angle to said band and while in such engagement permitting said member to be swung into lengthwise lapping engagement with said band, the opposite end of said member and the end of said band being formed to interfit.

1,461,804. COMBINED TOOTHBRUSH AND WATER-GLASS HOLDER. ROBERT DAVID MAYO, Cleveland, Ohio. Filed Apr. 20, 1921. Serial No. 462,834. 5 Claims. (Cl. 248—63.)

1. In a combined toothbrush and water glass holder in combination, a back plate having ribs forming a compartment adapted to receive a tooth brush, a cover for said compartment, and means comprising a shelf provided with retainer apertures for detachably securing the said back plate to a supporting member.

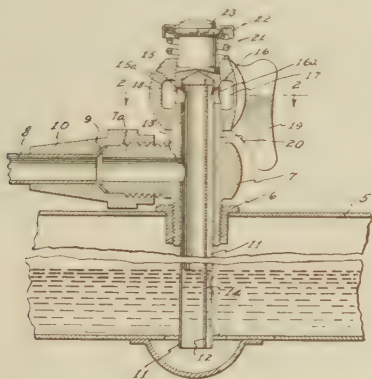
4. In a combined tooth brush and water glass holder in combination a back plate, a spring band having crimped

side edges terminating short of the end thereof, apertures in the plate having enlarged portions conforming to the



said crimped edges and adapted to receive the said spring band, and a detachable shelf connected to the back plate below the said band.

1,461,805. GASOLINE-RESERVE-SUPPLY APPARATUS. JOHN HAYWARD PARSONS, Ferndale, Mich. Filed Oct. 24, 1921. Serial No. 510,137. 9 Claims. (Cl. 158—46.5.)

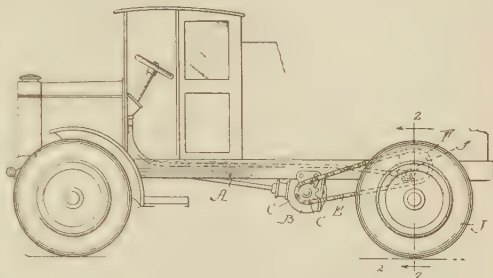


1. In a device of the character described, a tank adapted to contain fuel, a feed pipe mounted therein with its lower extremity adjacent the bottom of the tank and its upper extremity projecting above the tank, the upper portion of the feed pipe having a port therein exterior of the tank, the upper portion of the feed pipe having a second port therein opening into a pipe line through which fuel is adapted to be conveyed to the engine, means for admitting air from within the tank to said first-mentioned port to break the flow of fuel through the pipe line when the fuel level falls to a predetermined plane, and means for rendering said last named means inoperative at will to resume feeding of fuel through the pipe line.

1,461,806. DRIVE CONNECTION FOR TRAVEL-INDICATING INSTRUMENTS. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 19, 1922. Serial No. 576,112. 4 Claims. (Cl. 74—7.)

1. In a motor vehicle which has a road wheel mounted on and having its axis fixed with respect to a fixed axle, and provided with a laterally mounted concentric gear and a pinion whose journal bearing is carried by the fixed axle meshing with said gear; in combination with such fixed axle and pinion a bracket mounted on the fixed axle; a second bracket mounted on the first, adjustable thereon about, and along an axis parallel to,

the road wheel axis; a housing member and co-operating means thereon and on the last mentioned bracket for removably mounting the housing member on the bracket; power-transmitting mechanism carried by said housing, comprising as one final element emerging from the



housing, a shaft provided exteriorly of the housing with means for making drive connection with the first mentioned pinion, and as the other final element projecting from the housing, a shaft adapted for coupling to a flexible shaft.

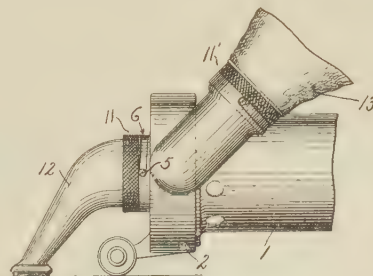
1,461,807. PROCESS OF TREATING ORES. ALBERT SILVER, Tonopah, Nev., assignor to The Merrill Company, a Corporation of California. Filed Oct. 18, 1921. Serial No. 508,588. 10 Claims. (Cl. 75—18.)

1. The process of treating ores containing matter which prematurely removes dissolved metals from solution, which consists in insulating said matter by bringing the ore in contact with a substance which destroys the power of the matter to prematurely remove the dissolved metals from solution, then, without separating said matter from the ore, subjecting the ore to a metal solvent and then separating the solution from the gangue.

1,461,808. BEVERAGE. WALTER O. SNELLING, Allentown, Pa. Filed Jan. 31, 1920. Serial No. 355,335. 6 Claims. (Cl. 99—11.)

1. The process of treating fruit juices which comprises diluting such juices, adding a sugar, and fermenting the resulting product by means of a lactic acid ferment.

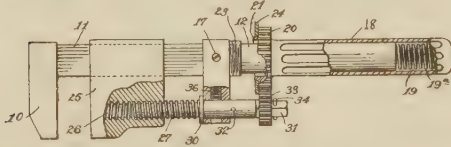
1,461,809. VACUUM CLEANER. ALONZO ABNER WARNER, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Oct. 20, 1920. Serial No. 418,249. 3 Claims. (Cl. 15—9.)



1. In a vacuum cleaner comprising a casing and a removable nozzle, a tubular member projecting from the casing and provided with a recess extending radially through its wall and with radial studs, a tubular portion extending from said nozzle and entering said tubular portion upon the casing, said nozzle portion having a shoulder-forming projection extending radially therefrom and integral therewith and fitting within said recess, and a locking ring surrounding said casing por-

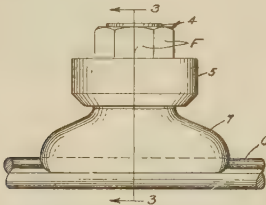
tion and having elongated slots in its periphery surrounding said studs and an interrupted flange overlapping the end of said casing tubular portion and, when said ring is in locking position, engaging the shoulder upon said radial projection so as to hold it within said recess said flange having a space permitting said projection to be inserted into and removed from said recess when said space is in alignment with said recess.

1,461,810. WRENCH. CHARLES J. WITZEL, Brooklyn, N. Y. Filed Sept. 27, 1921. Serial No. 503,513. 23 Claims. (Cl. 81—171.)



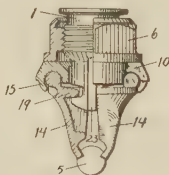
1. As an article of manufacture, a wrench comprising a pair of gripping jaws, means for operating the same, and including means shiftable relatively to said gripping jaws for rendering said operating means inoperative, and means for shifting said shiftable means.

1,461,811. CONDUCTOR SUPPORT. ARTHUR C. WOOD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 6, 1922. Serial No. 605,266. 14 Claims. (Cl. 191—43.)



2. A conductor clamp comprising in combination a pair of jaws to grip a conductor, a supporting member to secure the clamp to a hanger, a rotatable member mounted on and supported by the supporting member, a connecting member provided with means to support the jaws in pivotal relation, and means on the connecting member coacting with means on the rotatable member to move the connecting member relative to the jaws and force the jaws into engagement with the conductors when the rotatable member is rotated.

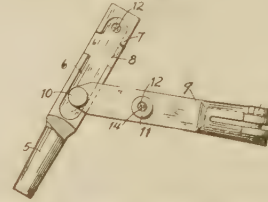
1,461,812. CONDUCTOR SUPPORT. ARTHUR C. WOOD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 30, 1922. Serial No. 609,967. 9 Claims. (Cl. 191—43.)



1. A conductor support comprising in combination a support member, an element slidably and non-rotatably mounted on the support member, a pair of coacting jaws pivotally secured to the said element and having engagement with the support member and operating

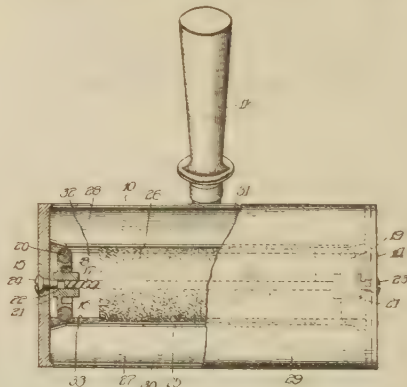
means mounted on the support member in rotatable and longitudinally movable relation thereto and engaging the element when rotated in one direction to move the element and in turn move the jaws into engagement with the conductor.

1,461,813. SAFETY SUPPORT FOR CURRENT COLLECTORS. ARTHUR C. WOOD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Jan. 27, 1923. Serial No. 615,249. 10 Claims. (Cl. 191—64.)



1. A support comprising a pair of inter-fitting tongued and grooved members pivotally held together and normally in alignment, the inner faces of the grooved member having oppositely disposed longitudinal channels and a cross channel, means on the tongued member to be positioned in the channel and about which the members pivot, other means on the tongued member to interlock with the channel to maintain the members in alignment and means interlocking with the members to hold the members against relative movement but to permit movement when the stress upon the members in a longitudinal direction exceeds a predetermined amount.

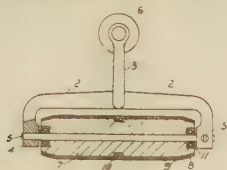
1,461,814. CRUMB SWEEPER. WILLIAM AISENSTEIN, Chicago, Ill., assignor to Wilmort Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1920. Serial No. 414,088. 2 Claims. (Cl. 15—41.)



1. In combination, a crumb sweeper for picking up crumbs and the like from tablecloths and delicate fabrics, comprising a casing having side and end walls, a transverse brush opening in the bottom of the sweeper, flanges projecting upwardly from the edges of said brush opening forming crumb compartments to either side of said brush opening, a brush rotatably mounted in said opening, two traction wheels, one at each end of said brush, a shaft for said brush, the ends of said shaft being rigidly secured directly to said traction wheels, pivot members projecting through the end walls of said casing and affording bearing support for said traction wheels directly inside of said end walls, said traction wheels constituting the sole points of support in the normal operation of the sweeper whereby the sweeper may be inclined forwardly or backwardly to depress either edge of said brush opening down into contact with the tablecloth, and correspondingly raise the other edge of said brush opening above the table-

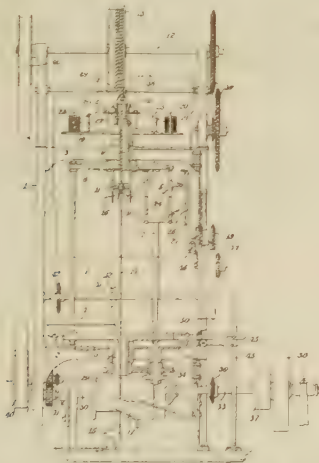
cloth, the flanges at the edges of said brush opening being rigidly held against vertical movement during operation of the sweeper; and a short handle rigidly secured to said casing and projecting diagonally upwardly therefrom.

1,461,815. HAND ROLLER. RALPH B. BIRD, Oakland, Calif. Filed Jan. 18, 1922. Serial No. 530,064. 4 Claims. (Cl. 216—61.)



1. An article of manufacture, comprising, in combination, a framing and a roller, said framing composed of two pairs of arms cast integral and radiating from a common center and a shaft, one pair of said arms forming a handle, and the other pair forming a wide-mouthed gap for the reception of said roller, and the said shaft adapted to carry the roller and be supported in the extremities of the arms forming the said gap, the surface of the roller being provided with tapered ends adapted to eliminate the edge-lines of the roller when in operation.

1,461,816. WIRE-COVERING MACHINE. WILLIAM E. COOK, St. George, N. Y., assignor, by mesne assignments, to The Peerless Insulated Wire and Cable Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 1, 1919. Serial No. 286,735. 9 Claims. (Cl. 117—40.)

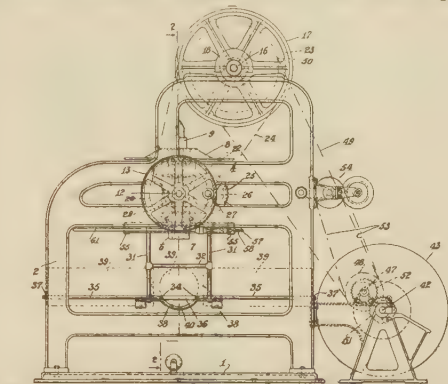


1. A wire covering machine embodying therein a rotatable support, movable about a vertical axis, wire feeding means whereby a wire is continuously fed axially of said support, a container or containers for a coil of sliver, or other material, mounted upon and rotatable with said support, the axis or axes thereon extending horizontally, means for compacting the sliver, or other material, upon the wire, means whereby binding cords or strands are applied to the compacted sliver, and actuating means for said support and said wire feeding means.

1,461,817. WIRE-COVERING MACHINE. WILLIAM E. COOK, St. George, N. Y., assignor to Peerless Insulated Wire and Cable Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 29, 1921. Serial No. 518,576. 11 Claims. (Cl. 117—34.)

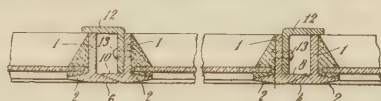
1. A wire covering machine embodying therein a cross frame intermediate the top and bottom of the machine having vertical bearings therein, a hollow spindle

mounted in said bearings, a compacting head surmounting said spindle and including a die, the opening of which is in axial alignment with said spindle, a main power shaft also mounted in bearings in said cross frame, geared connection between said power shaft and said spindle,



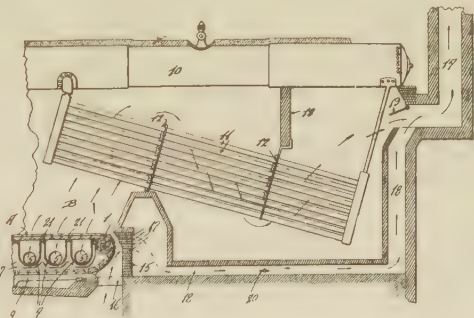
means adapted to impart continuous traverse to a wire passing through said hollow spindle, and a container carrier suspended from and rotatable with said spindle, consisting of a plurality of horizontally extending saddles adapted to receive a barrel container and engage the outer end thereof.

1,461,818. WINDOW CONSTRUCTION. ROBERT S. DRUMMOND, New York, N. Y. Filed June 20, 1919. Serial No. 305,550. 6 Claims. (Cl. 189—69.)



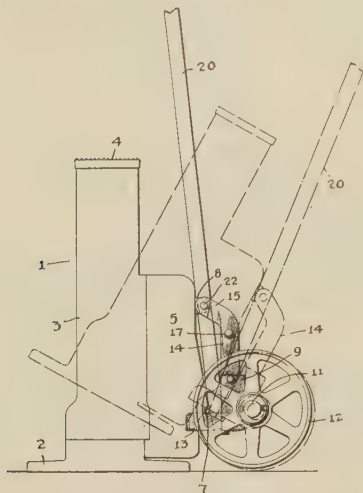
1. The combination with a ventilator having an axis of rotation, of a stationary muntin member having a weathering flange on one side of said axis and another weathering flange on the opposite side of said axis and projecting from the same part of said stationary muntin member as the first mentioned flange but disposed at an angle to said first mentioned flange.

1,461,819. FURNACE AND METHOD OF CONTROLLING THE DRAFT THEREIN. WILLIAM M. DUNCAN, Alton, Ill. Filed Dec. 16, 1920. Serial No. 431,168. 7 Claims. (Cl. 110—40.)



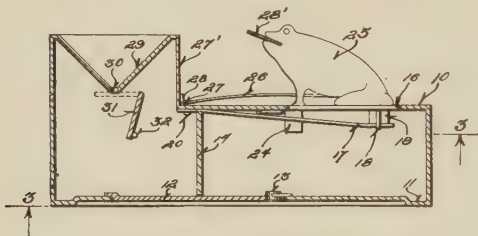
1. A furnace having a combustion chamber, a mechanical stoker comprising a traveling chain grate forming the bottom wall of said combustion chamber, said combustion chamber being provided with an outlet for products of combustion, a bridge wall located at the rear of said traveling chain grate and extending across the lower portion of the combustion chamber, said bridge wall having an outlet for the draft rising at the rear of said grate, and a draft producer including means whereby the eductive draft at the last mentioned draft outlet is caused to exceed the eductive draft in said combustion chamber.

1,461,820. WHEELING ATTACHMENT FOR LIFTING JACKS. KARL ECK, Bellevue Borough, Pa., assignor to The Duff Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 11, 1920. Serial No. 402,875. 10 Claims. (Cl. 280—53.)



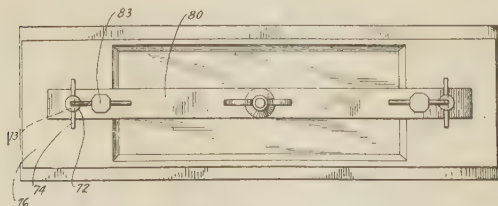
1. The combination of a lifting jack having an interlock element on its frame, a two-wheeled carriage having an interlock element above, an abutment portion below and a lower handle socket, and a handle adapted to be fastened with the interlock elements and to have its end inserted in said socket.

1,461,821. FROG BANK. NICHOLAS S. EBERHARDT and ARTHUR E. HACKETT, Milwaukee, Wis. Filed May 2, 1922. Serial No. 557,894. 2 Claims. (Cl. 46—36.)



1. The combination of a container having a slot therein, and having an opening in an upper wall, a support normally closing said opening and lying in the same plane with the upper wall, an animal resting on said support, means on said animal for retaining a coin, an arm secured to said animal and pivoted to said upper wall, a spring secured to said support and means for depressing and releasing said spring to lift said animal and deposit a coin in said slot.

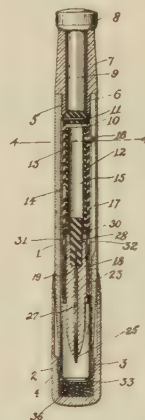
1,461,822. CLAMP FOR PRODUCING MOTTLED SKEIN DYEING. HERMAN EPSTEIN, New York, N. Y. Filed July 25, 1922. Serial No. 577,283. 6 Claims. (Cl. 8—7.)



1. Skein dyeing devices comprising one or more sectional clamps having base and cover elements, each being

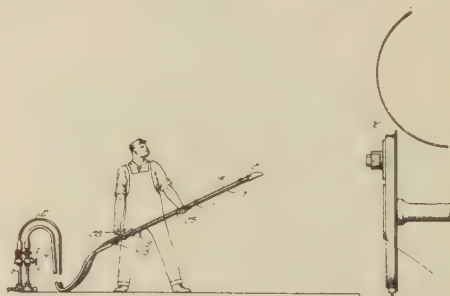
recessed on adjacent surfaces to present chambers, means at the ends of said elements suited for inter-engagement, means for forcing said elements towards each other, and means carried by said elements to prevent moistening the portion of the skein held between said cover and base elements when subjected to immersion.

1,461,823. FOUNTAIN PEN. VICTOR GARTNER, Brooklyn, N. Y. Filed Oct. 4, 1921. Serial No. 505,317. 6 Claims. (Cl. 120—49.)



3. In a retractable fountain pen, in combination, a casing, a barrel therein, a tube slidably fitting in said barrel and having a lug extending through a helical slot in said barrel and into a longitudinal groove in said casing, said tube having an enlarged socket at its forward end, an ink feed section fitting in said socket, and a shoulder between said socket and the main length of said tube to limit the retracting movement by contact with the end of the barrel, with the lug spaced from the end of the helical slot.

1,461,824. CLEANING-PROCESS GUN. FRANK M. HILGERINK, Chicago, Ill., assignor to H. Stillson Hart and Charles F. Pitts, trustees, Chicago, Ill. Filed Nov. 10, 1919. Serial No. 336,836. 3 Claims. (Cl. 299—111.)

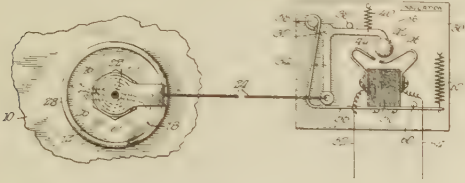


1. A cleaning process gun, comprising a nozzle, a plurality of pipes connected to said nozzle, a bracket comprising longitudinally extending side members, transversely disposed webs connected to said pipes and members and a handle secured to said members and extending transversely of said pipes above the same, and a grip adjustably mounted upon one of said pipes between said bracket and said nozzle whereby said gun may be swung about said handle as a fulcrum.

1,461,825. ELECTRIC SWITCH FOR AUTOMOBILE GASOLINE TANKS. WILLIAM S. LA LONDE, Evanston, Ill. Filed Oct. 27, 1919. Serial No. 333,643. 3 Claims. (Cl. 200—84.)

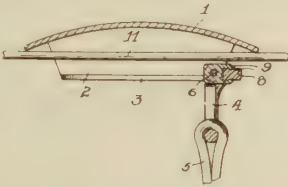
2. In mechanism of the class described, a supporting mechanism containing a pair of electric contacts spaced

apart one from the other, a switch closing means for bridging the space between said contacts, means supporting the switch closing means movable toward the



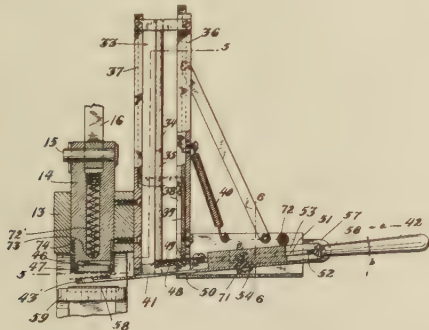
contacts and means sustaining the first mentioned supporting means to move in the general direction of and in unison with the switch closing means, for the purposes set forth.

1,461,826. BELT BUCKLE. EDWIN S. MIX, Rochester, N. Y., assignor to Hickok Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 30, 1922. Serial No. 548,168. 1 Claim. (Cl. 24—191.)



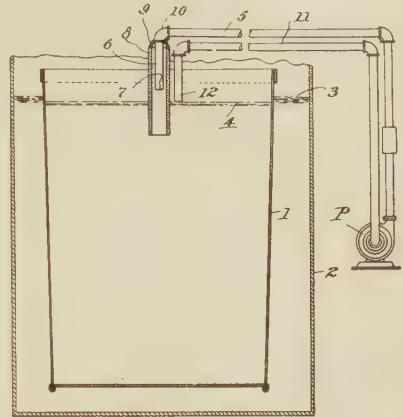
A belt buckle comprising a front plate having a rear face thereof serving as a clamping surface, a clamping member pivotally mounted in rear of the front plate and provided with a belt anchoring member for one end of the belt and formed with a groove extending longitudinally of the pivot of the clamping member, and a strap of leather mounted in the groove projecting beyond the latter and having the opposite walls of the groove deflected inwardly into binding engagement with opposite sides, the projecting portion being adapted to be deflected laterally by the belt as the clamping member is moved to clamping position and tend to straighten by the tension on the belt in order to accommodate itself to the thickness of the belt.

1,461,827. ENVELOPE MACHINE. EUGENE F. NISSEN, Alameda, Calif. Filed Mar. 3, 1920. Serial No. 363,020. 10 Claims. (Cl. 1—3.)



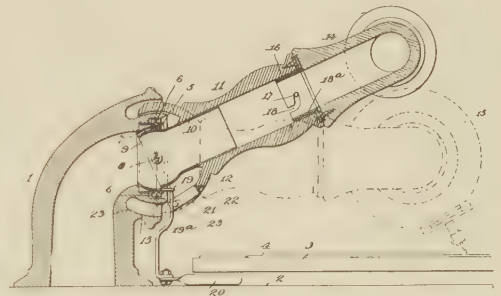
1. A device of the character described comprising an anvil, a plunger associated therewith, a cup member on said plunger, a magazine adapted to contain fasteners, an ejector adapted to be reciprocated to remove the lowermost fastener in the magazine and interpose it between the plunger and the anvil, and thereafter to be oscillated to place the fastener within the cup on the plunger.

1,461,828. PROCESS AND APPARATUS FOR MAKING ICE. LOUIS C. NORDMEYER, St. Louis, Mo. Filed Jan. 6, 1922. Serial No. 527,291. 6 Claims. (Cl. 62—172.)



1. The process of making ice from undistilled water held in a freezing can, which consists in subjecting the can to the action of a refrigerating medium, injecting a stream of water under pressure through a confined air space and into the mass of water within the can so as to entrain air with the stream of water passing into the can, and maintaining a substantially constant level of the water within the can.

1,461,829. TONE ARM. FRANK OBERST, Glendale, N. Y., assignor to Sonora Phonograph Corporation, a Corporation of New York. Filed June 12, 1919. Serial No. 303,614. 4 Claims. (Cl. 274—23.)

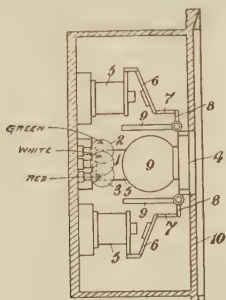


1. A tone-arm, comprising a stationary tubular post member terminating in an enlarged end having an annular spherical recess therein, a tubular movable member having an enlarged spherical cup-shaped end adapted to enter the spherical recess in the end of the post member, and a gimbal joint comprising independent members fixed in the bores of and connecting said tone-arm members at the enlarged ends thereof and concealed by the overlapping ends of said tone-arm members and permitting a horizontal and vertical swinging movement of said movable tone-arm member.

1,461,830. ELECTRICAL INDICATING DEVICE. RODOLPH STUART O'NEIL, London, England. Filed Mar. 1, 1920. Serial No. 362,417. 1 Claim. (Cl. 177—351.)

An indicator for indicating the position of a ship's helm, comprising a casing having a display opening, illuminating devices behind said opening and each of a different color, a plurality of pivoted and transparent

discs spaced around said opening and having indicia, a corresponding number of electro-magnet devices operatively connected to said discs, and switching means operatively connected to the ship's rudder and cooperating with the illuminating and electromagnet devices whereby the movement of said helm to one side of the neutral position causes one of said illuminating devices to be

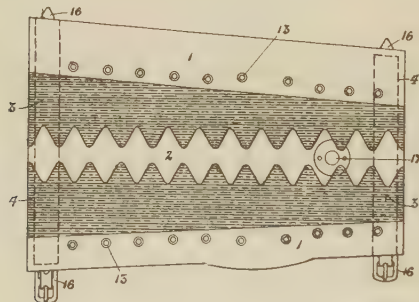


energized and movement of the helm to the other side causes another of said illuminating devices of different color to be energized, said movement also causing one or other of the magnetic devices to be energized so as to interpose the corresponding disc between the illuminating device and the display opening, said disc indicating the approximate number of degrees of movement of the helm on either side of the neutral position.

1,461,831. PROCESS OF MANUFACTURING COMPOUNDS SOLUBLE IN WATER OF DIETHYLBARBITURIC ACID AND ITS HOMOLOGUES. FRITZ QUADE, Berlin, Germany. Filed Nov. 9, 1921. Serial No. 514,077. 6 Claims. (Cl. 260—33.)

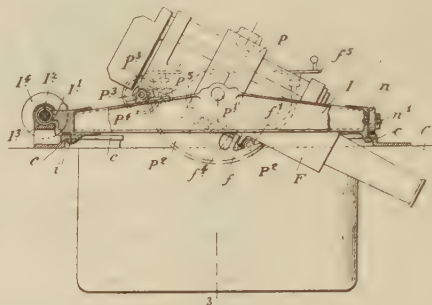
5. Process of manufacturing water soluble compounds of disubstituted barbituric acid, which process consists in digesting a solution of the diethylbarbituric acid, with the theoretical quantity of a freshly precipitated magnesium carbonate and concentrating the filtered solution by evaporation under a vacuum to dryness.

1,461,832. COVER OR GAITER FOR LAMINATED VEHICLE SPRINGS. HENRY RAMSDEN, Bradford, England. Filed Feb. 14, 1922. Serial No. 536,547. 7 Claims. (Cl. 267—37.)



1. A gaiter for laminated springs comprising a flexible body having a pair of absorbent pads secured to the inside thereof and arranged to form a longitudinal central channel coextensive of said body, the opposed inner edges of said pads being serrated so as to uniformly distribute the lubricant in the channel to the sides of the body.

1,461,833. ARMING OF AEROPLANES. JEAN JELES MARIE ANTOINE EUGENE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint-Stock Company of France. Filed Aug. 14, 1922. Serial No. 581,835. 6 Claims. (Cl. 89—40.)



1. Means for arming aircraft comprising a turret, a rolling carriage mounted on said turret, a frame horizontally trunnioned on said carriage, a cradle vertically trunnioned on said frame, and a gun carried by said cradle.

1,461,834. DEVICE FOR INSERTING LACES UNDER SHOE UPPERS. ALBERT J. SMILEY, Philadelphia, Pa. Filed Oct. 16, 1922. Serial No. 594,834. 2 Claims. (Cl. 132—1.)

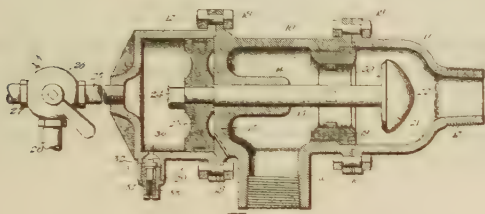


1. As an article of manufacture, a shoe lace inserting implement comprising a shank having a loop at one end, the transverse end portion of the loop having a seat or depression constructed and adapted to snugly embrace the shoe lace when the end of the latter is disposed at right angles to the loop whereby upon moving the implement in a plane parallel to the surface of the upper the lace will be forced in between the upper and the foot, said shank and loop being constructed of a single length of wire, a handle, and means pivotally connecting the shank to the handle so that the shank may be swung into a plane parallel with the handle to lie in a folded position beside the handle and whereby said shank may be swung from said folded position to extend in a substantially aligned relation with the handle and project outwardly from the end of the latter.

1,461,835. SELF-CONTAINED BLOW-OFF VALVE. CHESTER H. STROUD, Hubbell, Mich., assignor of one-half to Neil M. Gillies, Lake Linden, Mich.; Martin Yauch administrator of said Chester H. Stroud, deceased. Filed Mar. 29, 1919. Serial No. 286,012. 3 Claims. (Cl. 137—139.)

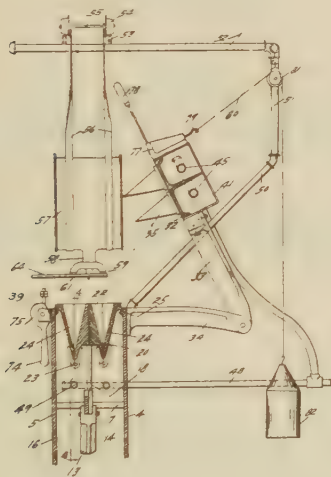
1. A blow-off valve having a casing provided with an internal valve seat, a piston controlled valve movable entirely within said casing to and from said seat and

having an enlarged rounded head, said casing including a forward portion around the valve having a reduced



extension and from the wall of which the valve is spaced a distance less than the space between the valve and the seat when the valve is fully opened.

1,461,836. CONE-BAKING MACHINE. DAVID L. STULL, Birmingham, Ala. Filed July 7, 1919. Serial No. 309,183. 13 Claims. (Cl. 107—66.)



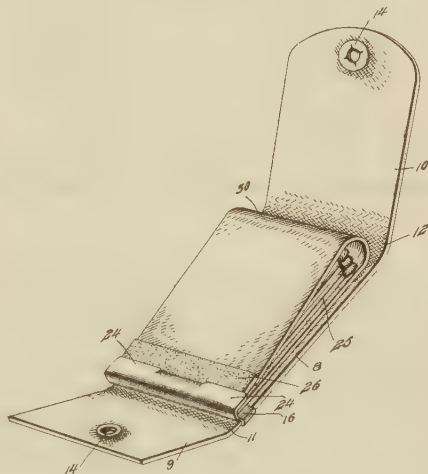
1. In a baking machine for cores and the like, a frame, a mold comprising a series of mold cavities and divided into sections lengthwise of said cavities, means to raise and lower said mold, cores for the mold cavities, end guides on the frame and co-acting elements on the mold sections disposed and adapted to separate and close the mold sections as they are raised and lowered, and a taper face extending along the frame on each side of the mold and adapted to be engaged by the side mold sections as they are lowered to co-operate with the end guides in forcing said sections to closed position.

7. In a cone baking machine, a frame carrying female cone molds, a movable carrier, cores carried thereby, and rigidly mounted trimming knife edges for the cores adapted to key the batter webs between cones to the movable carrier, said carrier being movable from a position overhanging the female molds, as and for the purposes described.

13. In a cone baking machine, a frame, a sectional baking iron parted longitudinally and having formed between its center element and its side elements a plurality of cone molds, a vertical guide in the frame for the center element, upwardly and outwardly curving guides projecting above the frame at each end and having outwardly curving guides for said side elements, lever mechanism

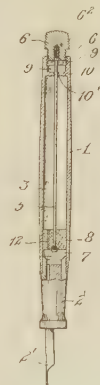
to reciprocate the mold elements vertically, wedge means effective for the length of said side elements to press them against the center element when lowered, co-acting mold cores, and means to heat the molds.

1,461,837. ARTICLE HOLDER. OSCAR T. SUNDIN, Providence, R. I., assignor to David H. Zell, Incorporated, a Corporation of New York. Filed July 25, 1922. Serial No. 577,317. 2 Claims. (Cl. 206—31.)



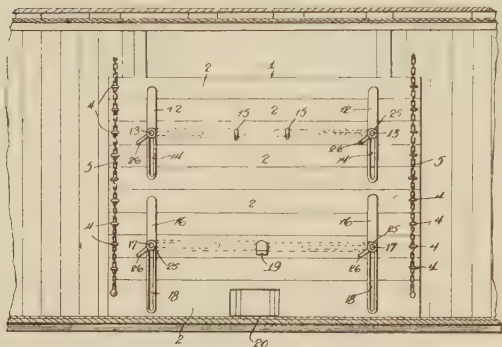
1. In a device of the character described, the combination with a flexible casing, of a flat metallic base strip disposed transversely upon an intermediate portion of the casing, folded lugs on the ends of the strip embracing the lateral edges of the casing, an upright back upon the strip, an overhanging flange on the back, and a depending lip on the flange.

1,461,838. FOUNTAIN PEN. LUIGI TADDEO, Cleveland, Ohio. Filed July 20, 1921. Serial No. 486,083. 1 Claim. (Cl. 120—47.)



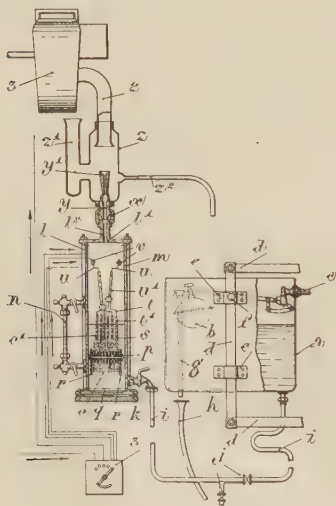
A fountain pen comprising a hollow body forming an ink reservoir; a reciprocable plunger therein formed of compressible material; a metal reinforcement for said material having a central body member formed with a tapped hole and a plurality of arms forming prongs driven into said material; and a plunger rod formed with a threaded portion adapted to co-operate with said tapped hole.

1,461,839. GRAIN-CAR DOOR. HENRY M. TENNESON, Galesburg, N. Dak. Filed July 8, 1920. Serial No. 394,643. 1 Claim. (Cl. 20—32.)



In combination with a car having a door way, a plurality of strips forming a grain door, lap joints at the marginal edges of the strips, means flexibly connecting the strips, screw bolts passing through certain strips, brace cleats having slots at one end carried by the screw bolts and adapted at times to extend transversely across the joints of said strips, wing nuts threaded on the bolts for clamping the cleats in adjusted positions, and hooks pivoted to the opposite ends of said bolts adapted to engage eyelets carried by the door way to effect a tight closure when the door is in operative position.

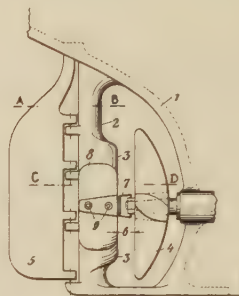
1,461,840. APPARATUS FOR HUMIDIFYING AIR. LOUIS EUGENE VIGNON, Tarare, France, assignor to Les successeurs D'Albert Godde, Bedin & Co., Lyon France. Filed Mar. 28, 1922. Serial No. 547,395. 3 Claims. (Cl. 219—39.)



1. Apparatus for supplying humidified air comprising in combination a closed vessel, electrically operated heaters in said vessel adapted to vaporize water therein, means for supplying water to and maintaining a constant level thereof in said vessel, a mixing chamber having an open air inlet duct, means for dispersing in said chamber

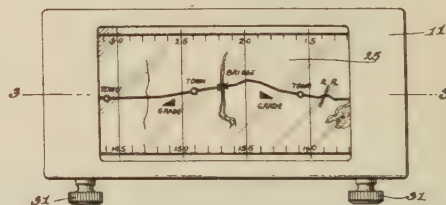
the steam produced in said vessel, a conduit connected to said mixing chamber, a fan adapted to suck the humidified air from said mixing chamber and force same into the premises to be humidified and means for rotating said fan.

1,461,841. SCREW PROPELLER. RUDOLF WAGNER, Hamburg, Germany, assignor to Star Contrapropeller Ltd. A./S., Christiania, Norway. Filed June 15, 1921. Serial No. 477,738. 6 Claims. (Cl. 115—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



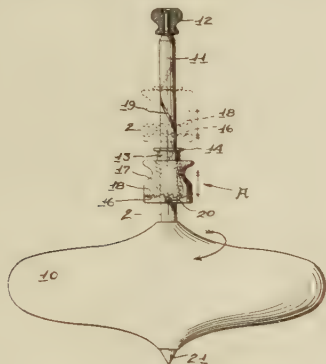
1. An improved propelling means for ships comprising, in combination, a screw propeller, and a rudder post, forward portions of the vertical body of said post being blade shaped whereby to act as guiding apparatus.

1,461,842. MAP-DISPLAY DEVICE. ADOLF J. WESTMAN, Montreal, Quebec, Canada. Filed Aug. 3, 1922. Serial No. 579,345. 1 Claim. (Cl. 40—86.)



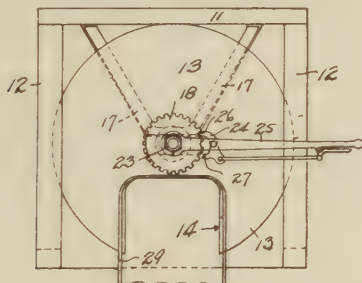
A display device for maps and the like comprising a casing having an open top, a bed plate in the casing adjacent the top thereof and having its ends bent inwardly and flaring towards the ends of the casing providing pockets in the opposite ends of the casing, springs mounted in one side of the casing and extending oppositely into the adjacent ends of said pockets, bearing studs carried upon the free ends of the spring, spools seated in the pockets having axial openings in opposite ends, each spool having one end engaging a bearing stud, said spools adapted to carry the ends of a map strip for passage over said bed plate, operating shafts arranged in the other side of the casing for engagement in the openings in the other ends of the spools and provided with transverse webs, said spools having kerfs in said other ends adapted to receive said webs for interlocking the spools and operating shafts together, and a removable cover for the open top of the casing having a transparent panel adapted to overlie said bed plate and expose the section of map passing thereover.

1,461,843. TOP. ALEX L. ZANDER, St. Paul, Minn. Filed Mar. 25, 1922. Serial No. 546,760. 5 Claims. (Cl. 46—32.)



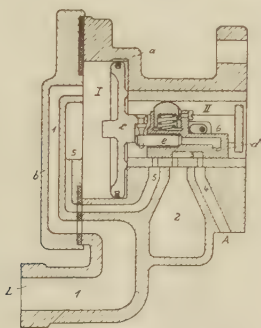
1. The combination in a top, of a balancing body, a stem secured to said body and formed with a spiral, a sleeve on said stem in operative engagement with said spiral, a thimble on said sleeve, and means for locking the thimble to the sleeve on a downward thrust.

1,461,844. COAL-TIPPLE ATTACHMENT. EDWARD H. HERSE, Altoona, Pa. Filed Jan. 4, 1922. Serial No. 526,881. 3 Claims. (Cl. 221—144.)



3. A delivery gate for coal tipples including in combination with the tipple frame-work and delivery chute, a dished disk having its concave side exposed to the pressure of coal within the tipple and also provided with an opening for aligning with the chute, and means for rotating the disk.

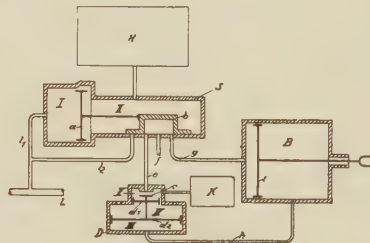
1,461,845. CONTROL VALVE FOR AIR BRAKES. WILHELM HILDEBRAND, Lichtenberg, Berlin, Germany, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany. Filed July 21, 1920. Serial No. 398,037. 3 Claims. (Cl. 303—39.)



1. In a control valve for air brakes, a casing containing a piston chamber, a piston movable therein, and a slide valve adapted to be actuated by said piston, in

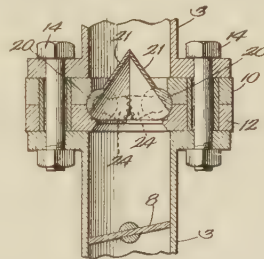
combination with an expansion chamber to receive air from the front of the piston, said casing being provided with a passage forming an open communication between said piston chamber and the main brake pipe, and also with a separate passage having an inlet located permanently in front of said piston and an outlet controlled by said slide valve and adapted to place said expansion chamber in direct communication through said slide valve with said piston chamber.

1,461,846. BRAKE ACCELERATOR. WILHELM HILDEBRAND, Lichtenberg, Berlin, Germany, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany. Filed July 21, 1920. Serial No. 398,039. 2 Claims. (Cl. 303—83.)



1. In a brake accelerator, a transfer chamber to receive air from the train pipe when an application of the brake is initiated, a brake cylinder, a de-aerating pipe normally in connection with said transfer chamber and with said brake cylinder, means for cutting off said connection with said de-aerating pipe, and a valve for controlling the connection of the train pipe with said transfer chamber, said valve being in turn controlled by fluid under pressure flowing directly from said brake cylinder.

1,461,847. GOVERNING VALVE FOR INTERNAL-COMBUSTION MOTORS. HARRY R. JACKSON, Chicago, Ill., assignor of one-half to Henry A. May, Chicago, Ill. Filed Feb. 9, 1922. Serial No. 535,282. 7 Claims. (Cl. 137—132.)

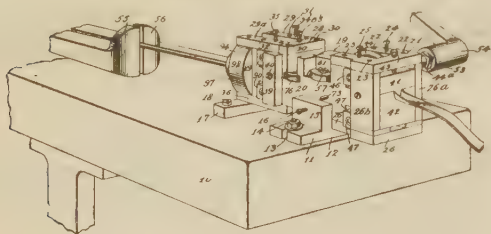


1. In a device of the class described, the combination of an induction duct, a main throttle valve in the duct, a gate valve in the duct between the throttle valve and the engine, said gate valve facing upstream and being adapted to swing down stream, and a piston one side of which is in communication with the inside of the duct and the other side is in communication with the atmosphere, said piston being adapted to urge the valve towards closed position when the atmospheric pressure exceeds the pressure within the duct.

1,461,848. TUBE-FORMING MACHINE. WILLIAM JAQUIERY, Waterbury, Conn. Filed Mar. 31, 1922. Serial No. 548,303. 17 Claims. (Cl. 113—33.)

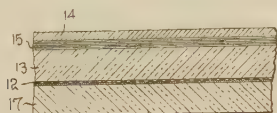
1. In a tube-forming machine, the combination with a die for bending a strip of metal into approximately the shape of a U having diverging sides, a pair of rolls

for squaring-up said sides into parallelism, a cooperating roll and die for bending one edge of the U-shaped strip inwardly, and the other edge outwardly, a pair of cooperating rolls for forcing said bent edges into locking



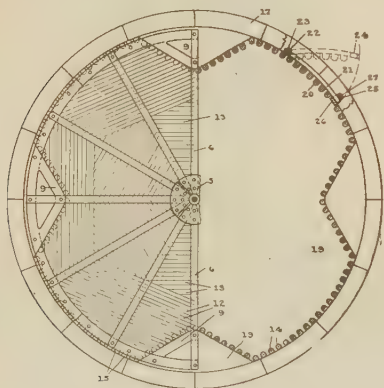
position, a die for locking said edges together, a pair of cooperating rolls for squeezing said edges together to form a smooth outer cylindrical surface, a mandrel for supporting the inner surface of said tube, and a final sizing die for reducing the diameter of said tube.

1,461,849. METHOD OF MAKING PHONOGRAPHIC RECORDS. EARLE W. JONES, New York, N. Y., and EDWARD R. HARRIS, Arlington, N. J. Filed June 3, 1916. Serial No. 101,548. 24 Claims. (Cl. 274-46.)



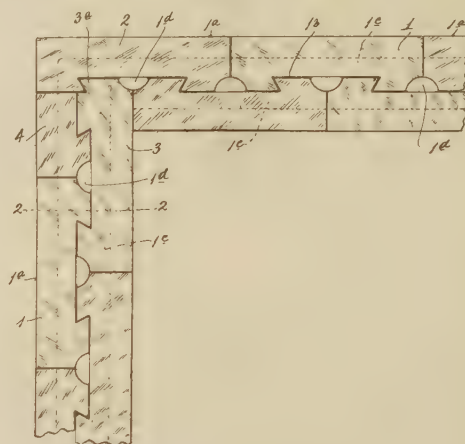
1. The method of making dies for the production of sound record tablets consisting in photo-engraving a metal plate to form a laterally undulatory rib thereon in correspondence with sound vibrations and then rounding off the corners of the rib.

1,461,850. BAG-CLEANING MACHINE. HENRY J. F. T. KACKER, Birmingham, Ala. Filed Jan. 6, 1921. Serial No. 435,529. 7 Claims. (Cl. 15-90.)



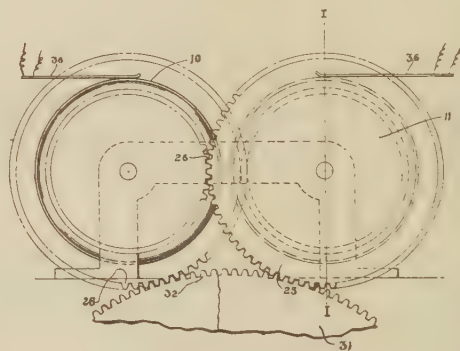
1. A rotatable cleaning drum mounted to rotate about its longitudinal axis and having its interior wall formed by longitudinal slats mounted at intervals on inwardly projecting gradually sloping substantially symmetrical spaced shelves which provide longitudinal pockets, each having a wide arcuate bottom wall and divergent gradually sloping walls, the sloping walls of each shelf being disposed at an obtuse angle and meeting in a rounded top edge, and a rotatable frame work for supporting said slats.

1,461,851. CONCRETE BUILDING BLOCK. FRANK KAGERMEIER, New Ulm, Minn. Filed May 8, 1922. Serial No. 559,155. 5 Claims. (Cl. 72-38.)



1. A wall structure comprising two adjacent series of superposed courses each course formed of blocks having plane outer surfaces, the adjacent blocks of said courses having interlocking dove-tailed grooves and projections respectively on their adjacent surfaces and having longitudinally extending channels therein between their top and bottom surfaces whereby a central air space is formed between the two horizontally adjacent courses.

1,461,852. DRIVING ARRANGEMENT FOR SHIPS. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 29, 1921. Serial No. 456,675. 5 Claims. (Cl. 172-36.)

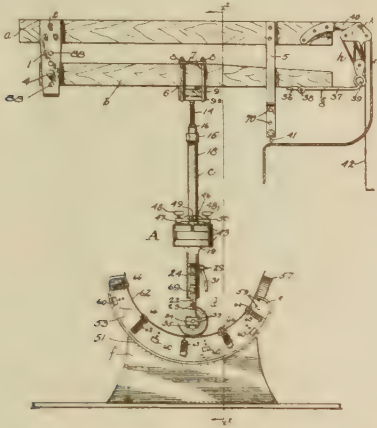


1. In a ship propulsion arrangement, the combination of two motors arranged side by side, each motor having oppositely rotating field and armature elements, pairs of meshing gears carried by the rotating elements of the motors at the ends of the latter, a propeller shaft, and gears carried by the propeller shaft and meshing respectively with one of the gears of each of the pairs.

1,461,853. SHEET-METAL-ROLLING MACHINE FOR FENDERS AND THE LIKE. HOMER R. KENNEDY, Los Angeles, Calif., assignor to Joseph J. Mathe, Los Angeles, Calif. Filed Sept. 3, 1921. Serial No. 498,354. 19 Claims. (Cl. 153-39.)

1. A sheet metal working machine, including a structure, a lever arm fulcrumed to said structure, an oscillating arm joined with said lever arm, a roller member carried by the free end of said oscillating arm, a template

adapted to receive work, the said roller member and said template co-acting in the forming of said work; said lever arm being provided with means allowing free movement at an end of said lever arm upon moving said



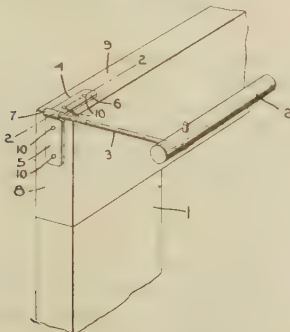
oscillating arm; said means including a compensating lift arm joined to the free end of said lever arm and means joined to said compensating lift arm for supporting said compensating lift arm.

1,461,854. VALVE FOR POWER REVERSE GEARS. WILLIAM F. KIESEL, Jr., Altoona, Pa. Filed Aug. 18, 1920. Serial No. 404,374. 10 Claims. (Cl. 277—3.)



1. A device of the character described for controlling the operation of a motor adapted to actuate an engine reverse gear including in combination, a body, two valves therein, said body having inlet and discharge passages controlled by one valve, and inlet, discharge and exhaust passages controlled by the other valve and means to actuate said valves including a rotatable member having a cam for each valve.

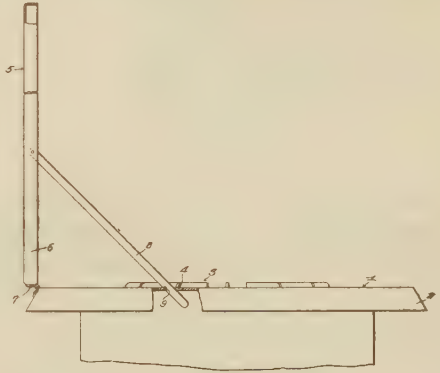
1,461,855. CURTAIN-ROD SUPPORT. LUDWIG J. KROESSER, Stoneham, Mass. Filed Nov. 28, 1921. Serial No. 518,131. 1 Claim. (Cl. 156—22.)



In a curtain rod support, the combination of a rod supporting member, and a holder therefor having a resilient loop-forming socket to positively clamp around and fric-

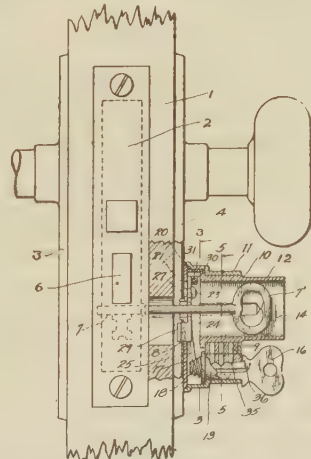
tionally engage a portion of the rod supporting member, the ends of the socket being extended to form arms which have normally an angular relation to one another of slightly greater than 90 degrees, whereby when the holder is secured to the squared corner of a window frame the top will be closed slightly thereby applying a positive clamping pressure to the said portion of the rod supporting member to tightly and frictionally engage but removably hold the rod supporting member in position.

1,461,856. STOVE COVER. FLORENCE L. ROBERTSON, Fergus Falls, Minn. Filed Sept. 20, 1921. Serial No. 501,944. 1 Claim. (Cl. 126—211.)



The combination with a stove top provided with a continuous outwardly flared depending flange and further provided with a transverse slot in proximity to one side of said flange, of a cover having a vertically disposed continuous flange conforming in contour to the shape of said top and adapted to have its lower edge seat on the upper edge of said flared flange when the cover is closed, means for hinging the rear portion of the flange of the cover to the rear portion of the flange of the top, and a supporting element permanently extending through said slot and having its upper end pivoted to the inner face of one side of the flange of the cover, said element provided with means near one end for detachably engaging with one end wall of the slot for maintaining said element extended to support the cover at right angles with respect to the rear of the top.

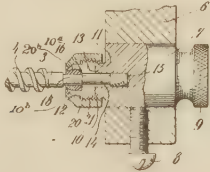
1,461,857. LOCK. ISAK A. TREIMAN and ROBERT L. ROCKWELL, Seattle, Wash.; said Rockwell assignor of one-fourth to said Treiman. Filed Dec. 19, 1921. Serial No. 523,485. 7 Claims. (Cl. 70—8.)



2. The combination with a door having a locking mechanism and a key applied thereto and extending from the

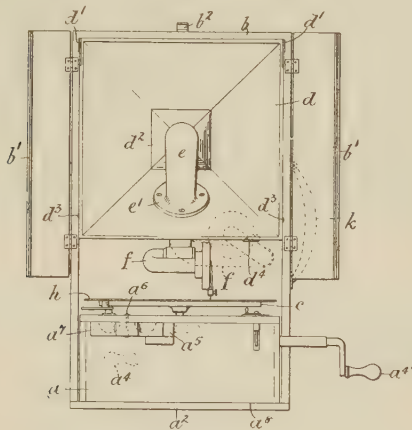
door, of a locking device removably attached to the door and comprising a slotted member for receiving the extended portion of the key therein and rotatable to actuate the key within the lock, and means for locking said member in position to prevent removal of the key from the door.

1,461,858. ADJUSTABLE BEARING FOR SPRING MOTORS. ELMER E. WILKINSON and SAUL ARONSON, Brooklyn, N. Y., assignors, by mesne assignments, to The Silent Motor Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 4, 1920. Serial No. 408,151. 5 Claims. (Cl. 64—53.)



4. As a new article of manufacture, an adjustable bearing comprising a body portion, a chuck extending from said body portion, and a bored bearing ball mounted in said chuck so as to be universally adjustable therein and adapted to receive one end of a shaft, said ball being sufficiently resilient to permit ready insertion and removal of the ball into and from the chuck.

1,461,859. PORTABLE CASING FOR TALKING MACHINES. REGINALD F. R. AMOR, Leytonstone, London, England. Filed Nov. 3, 1921. Serial No. 512,567. 6 Claims. (Cl. 274—2.)



1. A gramophone-cabinet comprising a casing, a motor-box hinged at its lower rear edge to the lower front edge of said casing, a sound diffuser or reflector hinged to said casing, and a hinged tone-arm, the parts being so arranged that, in their open position the bottom of the motor-box is flush with the bottom of said casing, and in their closed position the motor-box lies completely within the casing, and the tone-arm lies between the motor-box and the sound diffuser or reflector.

1,461,860. MOLDING APPARATUS FOR COMPRESSED BLOCKS. FRANÇOIS BONNET, Villefranche-sur-Saone, France. Filed Feb. 9, 1920. Serial No. 357,129. 4 Claims. (Cl. 25—41.)

1. A machine for molding concrete or the like blocks comprising a table, a mould thereon, movable vertically with respect thereto, a base fitting within said mould, a lid for said mould, means for imparting short reciprocating vertical movements to said base within said mould to

compress the substance being moulded, means for imparting continuous vertical movement to said base, members seated beneath the lateral walls of the mould and said

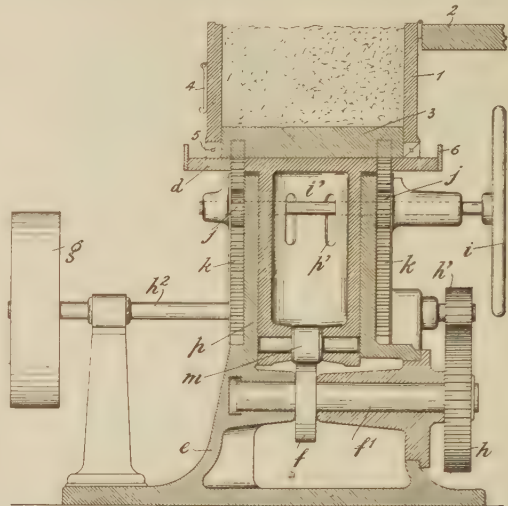
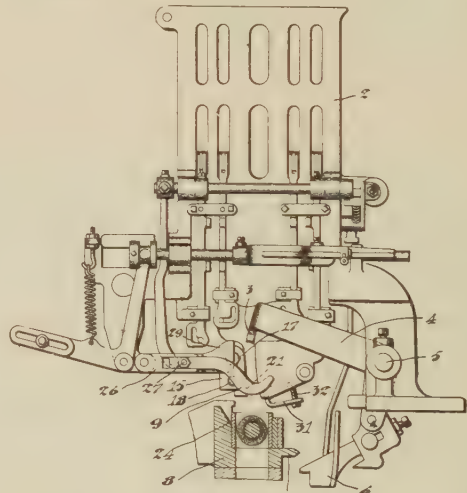


table and means for sliding said members from beneath said mould to allow said mould to sink toward said table and compress the substance being moulded.

1,461,861. WEFT-REPLENISHING LOOM. NAPOLEON CARON, Nashua, N. H., assignor to Nashua Manufacturing Company, Nashua, N. H., a Corporation of New Hampshire. Filed Aug. 3, 1921. Serial No. 489,450. 10 Claims. (Cl. 139—224.)

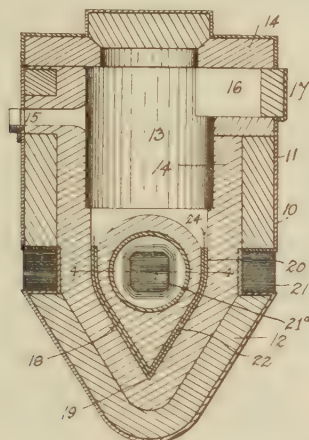


1. In an automatic weft replenishing loom, the combination of a magazine for spare bobbins, said magazine having a throat through which said bobbins are discharged into the running shuttle, and a bobbin supporting device mounted in said throat and normally movable freely upon engagement therewith of a bobbin to permit the bobbin to drop through the throat due to its own weight.

1,461,862. MANUFACTURE OF ELECTRIC-FURNACE LININGS. WALTER R. CLARK, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 6, 1917. Serial No. 184,675. 38 Claims. (Cl. 204—64.)

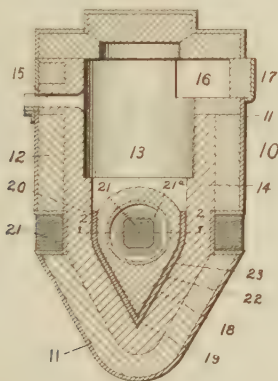
30. The method of starting an induction furnace, which consists in placing within the heating space of said fur-

nace a composite body formed of materials of different melting points, then melting the material of lower melting



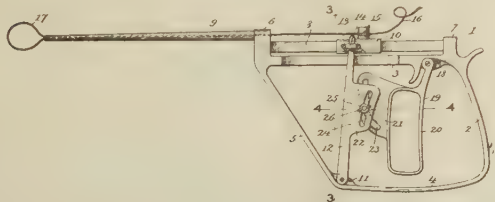
point, and then melting the material of higher melting point.

1,461,863. MANUFACTURE OF ELECTRIC-FURNACE LININGS. WALTER R. CLARK, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a Corporation of Connecticut. Original application filed Aug. 6, 1917, Serial No. 184,675. Divided and this application filed Sept. 8, 1919. Serial No. 322,556. 26 Claims. (Cl. 204—64.)



1. The method of making the refractory structure of an electric furnace or the like having a passage or channel, which comprises tamping refractory material about a templet of the same shape as the passage to be formed and consisting of a metallic outer part temporarily reinforced with a filling so that such templet is sufficiently hard and strong to resist collapse under tamping pressure, and then eliminating the filling material.

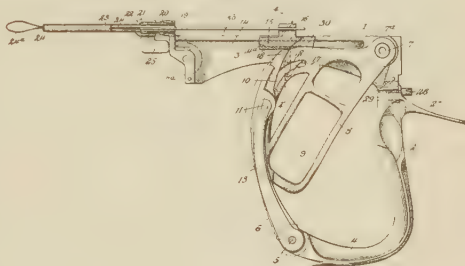
1,461,864. SURGICAL SNARE. EMORY CLAPP DAY, Laguna Beach, Calif. Filed Dec. 24, 1919. Serial No. 347,156. 17 Claims. (Cl. 128—320.)



1. A surgical snare comprising a suitable body portion with a handhold, a snare wire guide on the body portion,

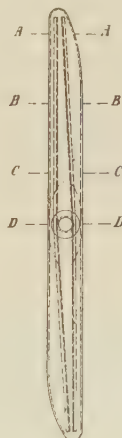
and a lever of the third order carried by the body portion and connected to the snare wire, said lever and handhold being coactively related to be gripped by one hand of the user, with the gripping force applied in a direction away from the snare wire.

1,461,865. SURGICAL SNARE AND UNIVERSAL HANDLE. EMORY C. DAY, Laguna Beach, Calif. Filed June 20, 1921. Serial No. 478,910. 8 Claims. (Cl. 128—320.)



1. A frame comprising a handhold, a stock, and a bottom member, with the stock and bottom member extending forwardly from the handhold at the upper and lower ends, an upstanding lever pivoted to the forward end of the bottom member and slotted lengthwise thereof, a manipulating lever pivoted at its upper end to the frame and entering the slot of the first-mentioned lever, said manipulating lever having a curved slot, and a pin passing through the first-mentioned lever and extending through the curved slot of the manipulating lever so as to join the two levers together, and a slide actuated by the movement of the upstanding lever.

1,461,866. AIR PROPELLER. CLAUDE DORNIER, Friedrichshafen, Germany, assignor, by mesne assignments, to Dornier-Metallbauten Gesellschaft mit beschränkter Haftung and Claudius Dornier, Friedrichshafen, A. B., Germany. Filed June 28, 1920. Serial No. 392,559. 2 Claims. (Cl. 170—159.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

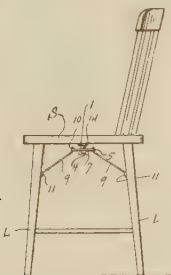


1. In a hollow propeller in combination, two metal plates suitably united at their edges and extending each from the outer end of one blade to the outer end of the other, and a plurality of channels inserted between and fixed to said blades and extending longitudinally thereof from one end to the other.

1,461,867. ART OF STENCIL MAKING. STERLING ELLIOTT, Cambridge, Mass.; Harriet Adell Elliott executrix of said Sterling Elliott, deceased. Filed Mar. 1, 1920. Serial No. 362,570. 4 Claims. (Cl. 41—38.6.)

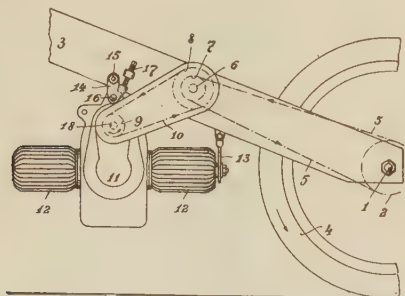
1. The method of preparing stencil sheets which consists in initially treating the sheet on one side only with a solution containing gelatine and water, and subsequently coating both sides of the sheet with a solution consisting of alum, glycerine and water.

1,461,868. CHAIR TIGHTENER. CHARLES FISCHER, Coldwater, Ohio. Filed Apr. 5, 1922. Serial No. 549,781. 5 Claims. (Cl. 155—197.)



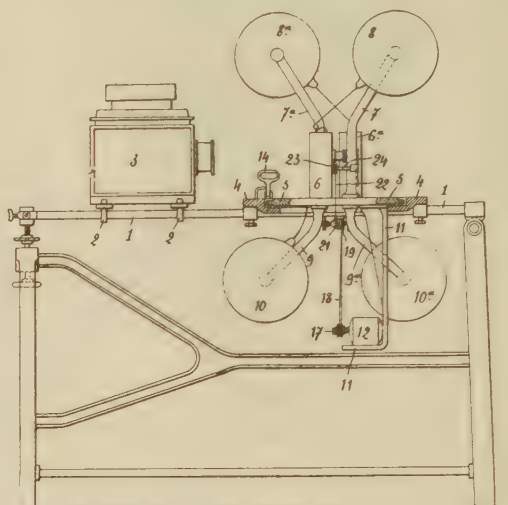
1. In combination with the seat and the associated supporting members of a chair structure, a plate secured to the under surface of the seat, a member depending from said plate, a second plate having an opening through which the member is freely disposed, a nut threaded upon the member below the second plate, means carried by the first named plate and co-acting with the second plate to hold the second plate against turning movement, and members connecting the second plate and the supporting members of the chair structure.

1,461,869. NOVEL DEVICE FOR SECURING ENGINES ON MOTOR CYCLES. CLAUS FRANZENBURG, Nuremberg, Bavaria, Germany, assignor to the Firm Marswerke A.-G., Nuremberg-Doos, Germany. Filed June 17, 1921. Serial No. 478,340. 1 Claim. (Cl. 180—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



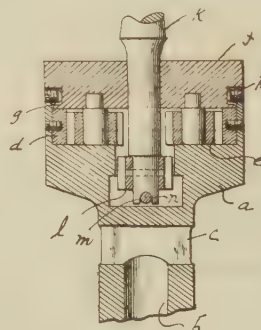
In a device for securing the engine in motor cycles, the combination, with the engine, of two links pivotally secured to opposite sides of the cycle frame and adapted to support the engine, placed in the longitudinal axis of said frame, in a pendulum like manner so as to cause said engine to take up its normal position as correctly as possible, set screws mounted in the cycle frame and adapted to act on the links, the adjustment of the said screws producing a movement of said links about their suspension points and therefore at the same time a movement of the engine in the horizontal direction, and a brace rod, rigidly secured to the cycle-frame and fixed to the engine in such a manner, as to allow said longitudinal adjustment of the latter.

1,461,870. CINEMATOGRAPHIC PROJECTION APPARATUS. LÉON FRASSIER, Paris, France. Filed Jan. 16, 1922. Serial No. 529,725. 2 Claims. (Cl. 88—17.)



1. In cinematographic projection apparatus, a source of light, a turn-table, a ring-shaped support for said turn-table, two projectors disposed upon said turn-table in staggered relation and symmetrically with regard to the center of the turn-table, said turn-table being rotatable to bring said projectors alternately with their axes of projection in alignment with the axis of projection of said source of light, a bracket depending from said turn-table and moving therewith, an electric motor supported by said bracket, an electric circuit to said motor for transmission of electric current thereto, operative connections between said motor and said projectors for selectively actuating the latter, and means for automatically closing said circuit when said turn-table has been moved to bring either one of said projectors with its axis of projection in alignment with the axis of projection of said source of light, and for breaking said circuit during the interval of rotation of said turn-table when neither one of said projectors is in position with respect to said source of light.

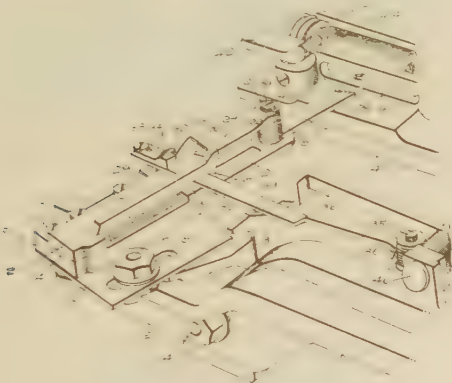
1,461,871. REVERSING CHUCK. FRANK M. FUNK and MARTIN C. JENNERS, Detroit, Mich. Filed Mar. 9, 1921. Serial No. 451,028. 5 Claims. (Cl. 10—138.)



1. In a chuck, the combination of a head and a body arranged to have relative rotative movement, a driving shank longitudinally movable with respect to said head and body which may be coupled up with one of the same in direct driving relation, a driving train supported

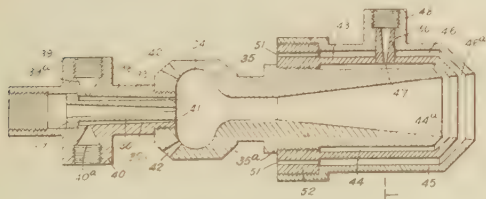
between the head and body including one or more planetary members with which the shank may be engaged, when disengaged from direct driving relation, for the purpose of reversing the driving effect.

- 1,461,872. FEELER MECHANISM FOR LOOMS. EDWARD T. GILMAN, Lowell, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 29, 1922. Serial No. 547,605. 3 Claims. (Cl. 139-286.)



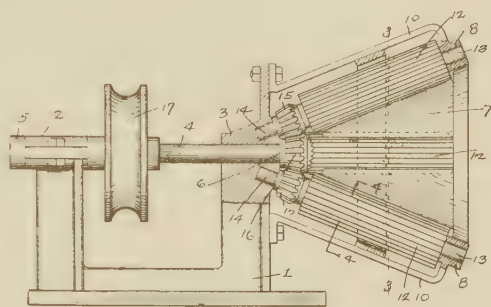
1. In a feeler mechanism for looms, the combination of a feeler stand, a feeler slide mounted upon the feeler stand for movement towards and from the front of the loom in a direction inclined to the longitudinal axis of the shuttle, a feeler pivotally mounted on the inclined feeler slide to enter the shuttle in a direction inclined to the longitudinal axis of the shuttle on each detecting beat and having a normal swinging movement relative to the slide which increases in amplitude as the lay moves forwardly and imparts to the feeler an increased tendency to partake of its abnormal swinging movement, a stop for the feeler when in normal feeling position from which the feeler is removed as it swings normally on each detecting beat, and a transmitter which is actuated by the feeler only when the feeler is abnormally displaced.

- 1,461,873. BURNER OF THE INJECTOR TYPE. LUDWIG GROTE, Tottenham, London, England. Filed Aug. 15, 1922. Serial No. 581,926. 3 Claims. (Cl. 158-76.)



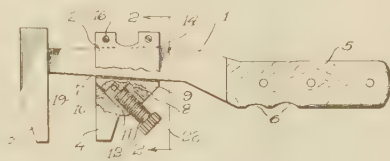
1. A liquid hydrocarbon burner of the injector type comprising a barrel whereof the major portion of the bore increases regularly in cross sectional area towards the nose end of said bore, said barrel having a circular enlargement of said bore at the rear end of said bore, an injector nozzle for injecting gas under pressure arranged co-axially with the bore in the rear wall of said enlargement, means to admit liquid hydrocarbons directly into said enlargement, and means to direct an auxiliary supply of gas under pressure in sharply converging streams on to the main stream of fuel mixture issuing from the nose of the burner, substantially as described.

- 1,461,874. ARTICHOKE TRIMMER AND CUTTER. JOSEPH GUERRIERI, San Francisco, Calif. Filed Sept. 12, 1922. Serial No. 587,675. 5 Claims. (Cl. 146-11.)



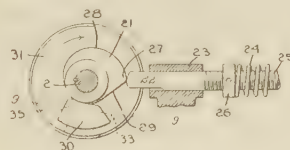
1. A device such as described comprising a frame; a cone-shaped casing mounted on said frame; a plurality of cutting elements journaled in said frame; a rotary shaft on said frame and driving means interposed adjacent said shaft and cutting elements.

- 1,461,875. ADJUSTABLE WRENCH. FRANK C. HACHENEX, John Day, Ore. Filed May 15, 1922. Serial No. 561,105. 6 Claims. (Cl. 81-154.)



2. A wrench comprising a stationary member and a slidable member, said stationary member having a tapered shank, said slidable member having a recess therein, said recess having two walls at right angles to each other, a tapered locking key in said recess, said locking key having two faces at right angles to each other and a face cooperating with the tapered shank, one of the faces of the key being in sliding contact with one of the walls of the recess, and a screw passing through the other wall of the recess and bearing on the other face of the key to hold said key in position in said recess.

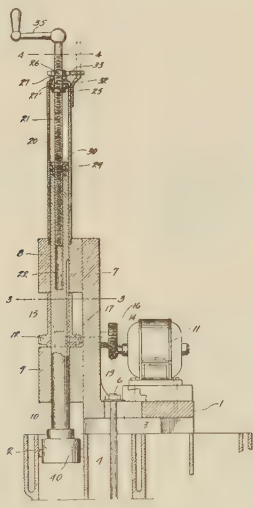
- 1,461,876. STOP MOTION. CHRISTIAN H. T. HAGELSTEIN, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Mar. 14, 1922. Serial No. 543,577. 2 Claims. (Cl. 192-149.)



1. In a stop motion, the combination with a driving shaft, of a driving belt therefor and a belt shipper to connect the driving belt to or disconnect it from the shaft, of a stop cam fast on the driving shaft, said stop cam having a continuous peripheral cam face, said face being formed with a low portion, one end of which

merges into a relatively-short straight portion of increasing radius and the other end of which merges into a convexly-curved portion which is considerably longer than the straight portion and which also has a progressively-increasing radius, said straight portion and convexly-curved portion meeting and forming a high point at the cam, a stop dog, a spring acting on the stop dog and adjustable as to its tension, said stop dog being connected to the belt shipper so that when the belt is disconnected from the driving shaft the stop dog is out of the path of movement of the stop cam but when the belt is carried into the path of movement of the stop cam and engages the continuous cam face thereof, the shape of the cam face and the tension of the spring having such relation to the momentum and speed of the shaft that when the stop dog is brought into engagement with the cam the high point thereof will be carried past the stop dog once thereby largely reducing the speed of the shaft and said shaft will be brought to rest when the straight portion of the cam face comes a second time into engagement with the stop dog.

1,461,877. CYLINDER-REBORING MACHINE. MAURICE H. HANSEN, Seattle, Wash. Filed Aug. 8, 1921. Serial No. 490,630. 2 Claims. (Cl. 77—2.)

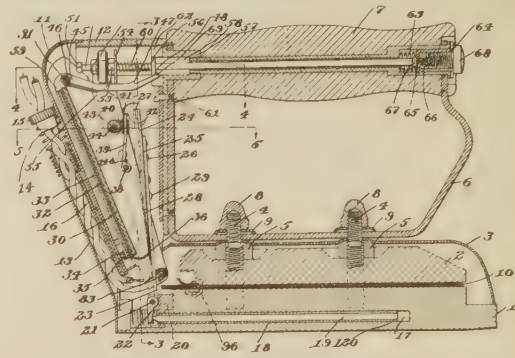


1. A cylinder reboring machine comprising a base plate applicable at the ends of the cylinders of an engine and adapted to be adjustably anchored thereto, a standard at one end of the plate having bearings formed thereon, a boring shaft rotatably and longitudinally movable in said bearings, a boring tool fixed to the lower end of the shaft, a sleeve fixed in the upper of said bearings and slidably containing the upper end of the boring shaft, an adjusting rod rotatably fixed in said sleeve and extended in a threaded connection concentrically within the boring shaft, means for manually rotating the adjusting rod to effect longitudinal adjustment of the boring shaft, and means for holding the adjusting rod against rotation to effect automatic advancement of the boring shaft when in operation.

1,461,878. THERMOSTATIC CONTROL. JOHN E. HARVEY, Milton, Mass. Filed May 23, 1921. Serial No. 471,550. 6 Claims. (Cl. 219—25.)

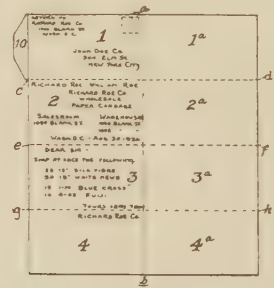
1. In a device of the class described, the combination of a source of power, a heating element adapted to be connected thereto, a switch manually operated to connect

the heating element with the source of power, a thermostat directly controlling the switch to disconnect the



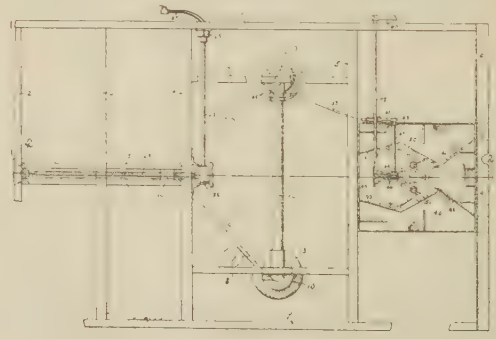
source of power from the heating element, and a thermostat associated with said heating element and controlling said first thermostat.

1,461,879. COMBINED ENVELOPE AND LETTER SHEET. HOLMES HARRIS, Washington, D. C. Filed Sept. 2, 1920. Serial No. 407,659. 3 Claims. (Cl. 229—92.1.)



2. A combined letter sheet and envelope consisting of a sheet divided by a vertical fold line and by transverse fold lines into at least eight panels, a sealing flap attached to the side edge of one of the upper panels, and address indicia on the face of said panel having the sealing flap, said sheet having the upper panels folded back against the back of the second panels on the upper transverse fold line, the other panels folded face to face on the vertical fold line, the third panels folded on the second transverse fold line against the back of one of the first panels folded back to back with the second panels and the remaining panels tucked between the faces of the second panels and said sealing flap folded over and sealed to the back of a third panel.

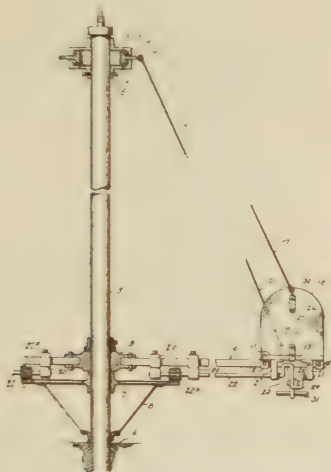
1,461,880. TRAILER CONNECTION. ERNEST F. HARTWICK, Greenfield Township, Wayne County, Mich., assignor to Detroit Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 23, 1921. Serial No. 502,720. 6 Claims. (Cl. 280—33.1.)



1. In combination, a fifth-wheel adapted to connect a trailer to a tractor and embodying a tractor pin on

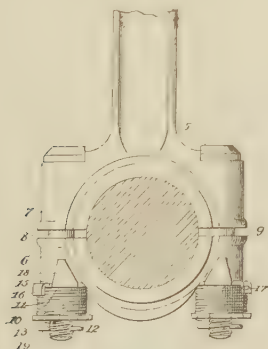
one member and means on the other member to secure the tractor pin, means to release said tractor pin, a support for the trailer, and means positioned by said support to prevent unlocking of the tractor pin.

1,461,881. MERRY-GO-ROUND. ROBERT HROBSKY, Watertown, Wis., assignor of one-half to William G. Miller, Watertown, Wis. Filed Jan. 27, 1922. Serial No. 532,267. 2 Claims. (Cl. 46—27.)



1. In a device of the character described, a center post having a master gear secured to the lower portion thereof, a frame revolvably mounted on said post, seats carried by the frame, a crank shaft located adjacent each seat and journaled in the frame and operatively connected with the master gear, each shaft having two cranks, a walking beam in front of each seat, and a pair of connecting rods connecting opposite ends of the walking beam to the cranks of the crank shaft associated with the next succeeding seat, said walking beam being provided with means engageable respectively by the hands and feet of a person occupying the seat.

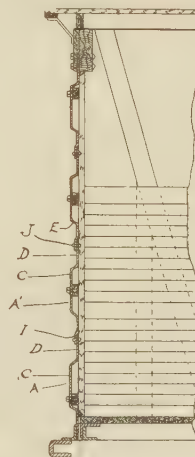
1,461,882. AUTOMATIC CLAMP BOLT. STEPHEN A. SLAUSON, Cedar Rapids, Iowa, assignor of twenty-five one-hundredths to John H. Brookman and twenty-five one-hundredths to L. O. Hatch, both of Cedar Rapids, Iowa. Filed Apr. 13, 1922. Serial No. 552,337. 4 Claims. (Cl. 85—32.)



1. Combined with members to be connected, a retaining bolt, a nut therefor adapted for adjustable connection

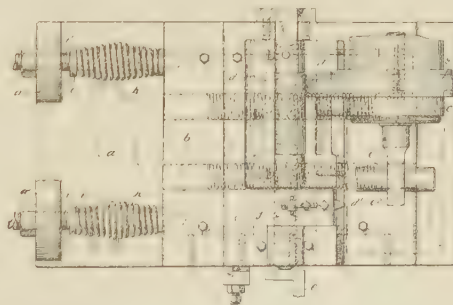
of a spring therewith, an encircling spring, and an anchor-plate having projections to engage one of said members, and adapted to connect with one end of the spring.

1,461,883. CAR-END CONSTRUCTION. WILLIAM D. THOMPSON and ALFRED R. WILSON, Detroit, Mich., assignors to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Michigan. Filed June 4, 1920. Serial No. 386,491. Renewed Dec. 11, 1922. 10 Claims. (Cl. 105—410.)



1. In a car body, an extended metallic plate formed of a plurality of sections marginally overlapping and secured to each other, each section being formed with a central portion thereof in one plane, portions on opposite sides and at the ends in a common plane spaced from and parallel to said first-mentioned plane, and transversely extending portions at the sides and ends connecting the portions in the two planes.

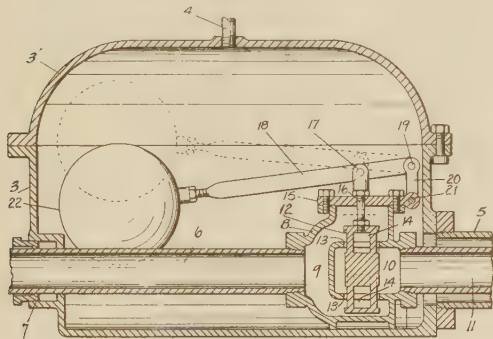
1,461,884. FIXTURE FOR TURNING MACHINES. WILLIAM R. ADAMS, Plainfield, and HARRY L. POUND, North Plainfield, N. J., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 4, 1920. Serial No. 408,237. 5 Claims. (Cl. 82—19.)



1. A fixture for turning machines, comprising a cross-slide mounted to reciprocate transversely of the work, a tool holder carried by the cross-slide and mounted to reciprocate transversely thereof in a direction longitudinally of the work, means for automatically reciprocating the cross-slide, and means for automatically reciprocating the tool holder.

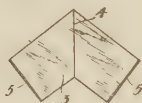
5. In combination with the chuck of a turning machine, a fixture secured to the machine and comprising a base, a cross-slide mounted movably thereon, adjustable springs interposed operatively between the cross-slide and the base, a tool head mounted to reciprocate in transverse ways on the cross-slide, means to feed the tool longitudinally with relation to the work, an elongated roller carried on the tool head and an oval shaped cam mounted adjustably on the chuck and engaged by the roller.

1,461,885. AUTOMATIC VALVE MEANS. GEORGE H. ANDERSON, Kalamazoo, Mich. Filed July 5, 1921. Serial No. 482,477. 5 Claims. (Cl. 137—101.)



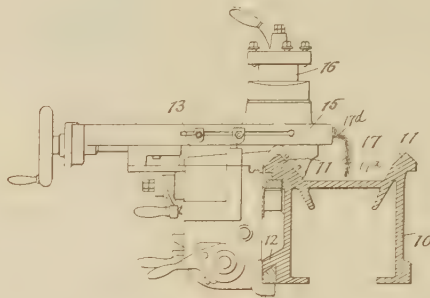
1. In a control valve structure, the combination of a casing connected by suitable pipes at the upper portion to the steam space and at the lower portion to the water space of a boiler, a supply pipe leading into the said casing and a delivery pipe leading therefrom within the connecting pipe to the water space of the boiler, a valve, the casing of which comprises an outer chamber connected to said supply pipe and an inner chamber connected to said delivery pipe, a vertically disposed piston valve through bores on the opposite sides of the said central chamber, a piston rod extending upwardly therefrom, a lever fulcrumed on a suitable link to the upper portion of said valve casing and pivotally connected to said stem, a float carried by said lever, coacting for the purpose specified.

1,461,886. CONVERTIBLE VALLEY AND HIP COMPOSITION SHINGLE. FRANK BASEL, Minneapolis, Minn., assignor of one-half to Patrick Halloran, Minneapolis, Minn. Filed June 14, 1922. Serial No. 568,168. 1 Claim. (Cl. 108—24.)



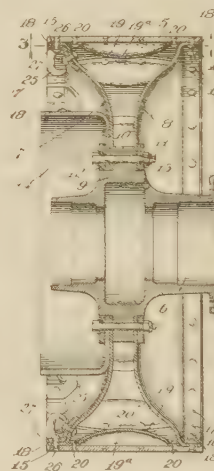
A composition shingle for the roof hip or valley comprising a sheet of flexible material having top and bottom edges diverging from a longitudinal center line along which line the sheet is bent, the side edges of said sheet being perpendicular to its top and bottom edges whereby the sheet can be bent about its center line to various angles and the top and bottom edges thereof can always lie in horizontal planes so that the shingle can be used for roofs of slightly varying pitches and for hips and valleys of different angles.

1,461,887. FLEXIBLE GUARD FOR MACHINE TOOLS. OTTO W. BIRHANZL, Cleveland, Ohio, assignor to The Warner and Swasey Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 20, 1921. Serial No. 493,789. 4 Claims. (Cl. 82—34.)



1. In combination in a machine tool having a slide and ways over which the slide is adapted to move, of a flexible guard associated with said slide so as to move therewith comprising a plurality of overlapping metal plates serving to project over the ways when the slide is moved in one direction.

1,461,888. WHEEL. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed Jan. 17, 1920. Serial No. 352,070. 4 Claims. (Cl. 301—63.)

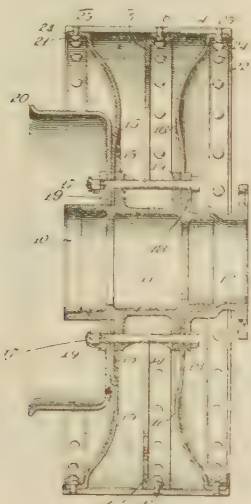


4. A metal wheel comprising a rim, a hub, discs connected with the hub and with the marginal portions of the rim, and transversely disposed elliptical dished reinforcing members independent of said discs and secured to the inner surface of the rim and spaced relation to each other.

1,461,889. VEHICLE WHEEL. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed Jan. 17, 1920. Serial No. 352,071. 2 Claims. (Cl. 301—63.)

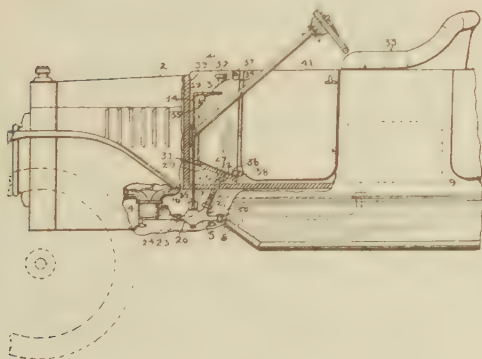
2. A metal wheel comprising a rim, a hub composed of two telescoping members, one of said members having an intermediately disposed circumferential flange and the other of said members having its inner margin bent outwardly to form an integral radial flange, discs spaced

apart and having their outer edges connected with the rim, the inner margins of said discs being fitted at opposite sides of said circumferential flange, a brake



drum fitted upon one of the members of the hub, and bolts securing the members of the hub, said discs and the brake drum together.

- 1,461,890. EMERGENCY FUEL TANK FOR AUTOMOBILES. JALMAR ALEX CARLSON, Stambaugh, Mich. Filed Apr. 5, 1920. Serial No. 371,520. 1 Claim. (Cl. 158—46.5.)

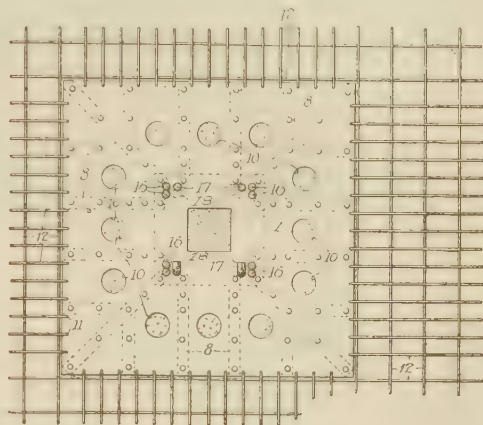


The combination with an automobile body and its main tank and carbureter, of an auxiliary tank mounted in front of the door at one side of said body and on the foot-board, each said tanks having a pipe leading therefrom, a valve fitting in which the conduits of said pipes meet, and a single valve controlling both of said conduits, said single valve having a valve-stem with a handle thereon in front of the driver in his seat in said automobile.

- 1,461,891. CONCRETE BUILDING. FRANKLIN H. CONEY, Chicago, Ill. Filed Feb. 11, 1922. Serial No. 535,675. 5 Claims. (Cl. 72—15.)

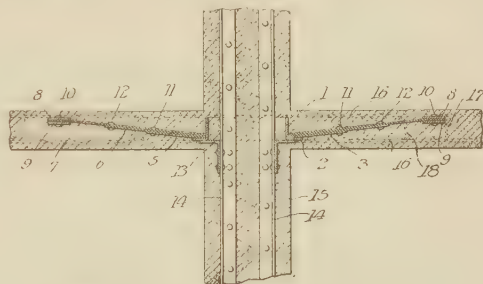
5. A column cap of the class described comprising spaced upper and lower plates with web members be-

tween said plates, said upper and lower plates of the cap having provisions for attachably receiving floor re-



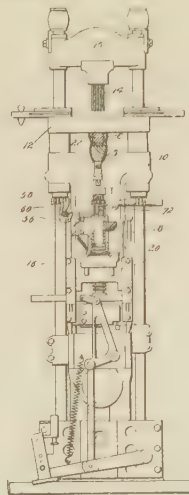
inforcing bars, and horizontally disposed I-beams attached to said plates.

- 1,461,892. COLUMN CAP FOR CONCRETE BUILDINGS. FRANKLIN H. CONEY, Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,594. 6 Claims. (Cl. 72—15.)



1. A column cap comprising inner and outer reinforcing rings located in different parallel planes, and an annular web member connecting said rings.

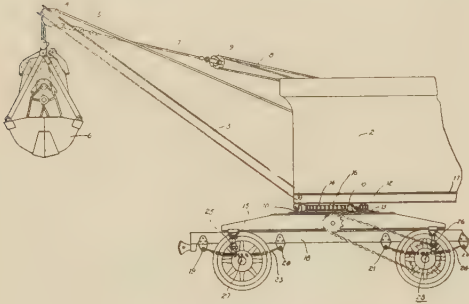
- 1,461,893. ATTACHING MACHINE. CHARLES E. CONNER, Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 26, 1920. Serial No. 426,489. 23 Claims. (Cl. 1—19.)



1. In a machine of the class described, mechanism for operating upon the work, a movable work-support, means

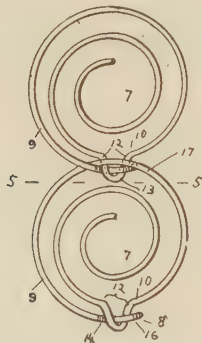
for temporarily retaining the work-support in operating position, means for actuating the retaining means to release the work-support, and means for restoring said work-support to the operating position, said restoring means being controlled in the operation of the machine and independently of movement of the work-support.

1,461,894. SUPPORT FOR SPRING VEHICLES. EUGENE G. DEUCHER, Cleveland, Ohio, assignor to The Universal Crane Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 11, 1921. Serial No. 451,598. 11 Claims. (Cl. 280—106.5.)



1. In combination with a highly sprung vehicle, an axle therefor, a vehicle frame, a spring carried by the said axle for resiliently supporting the said frame on the said axle, a relatively non-yielding adjustable bridge adapted to intervene between the said frame and a point on the said spring relatively near the said axle but not coinciding with the position of the said axle.

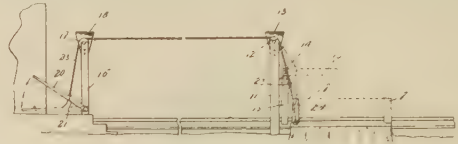
1,461,895. DETACHABLE KNOT OR FASTENER FOR COILED SPRINGS. WILLIAM B. FOSTER, Utica, N. Y., assignor to Foster Brothers Manufacturing Company, Utica, N. Y., a Corporation. Filed Nov. 20, 1922. Serial No. 601,994. 4 Claims. (Cl. 5—257.)



1. A detachable knot or fastener for a coiled spring comprising an S-shaped hook at the free end of the coiled spring arranged at right angles to the plane of the end coil of the spring and an outwardly projecting U-shaped loop in the end coil of the spring opposite to and detachably engaging said S-shaped hook.

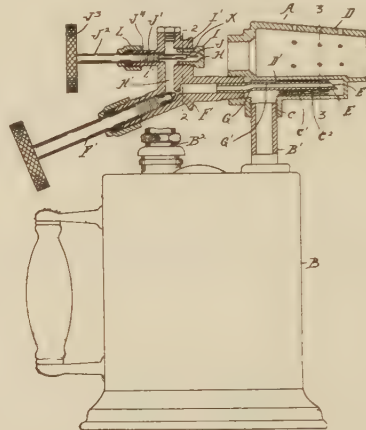
1,461,896. SAFETY SIGNAL FOR RAILWAY CROSSINGS. CHARLES E. FRY, Bloomfield, Iowa. Filed Mar. 13, 1923. Serial No. 624,726. 1 Claim. (Cl. 246—293.)
In railroad crossing signals and gates, an upwardly and transversely swinging platform between the outer

side of one of the rails and the road crossing, a post at one side of said platform, a signal arm pivoted to the



post, and a single means for simultaneously swinging said signal arm and platform upwardly to an operative position.

1,461,897. TORCH BURNER. OTTO J. GROEHN, Detroit, Mich., assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 2, 1920. Serial No. 414,257. 1 Claim. (Cl. 158—33.)

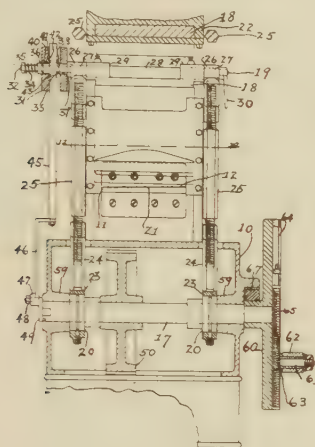


In a blow pipe torch for developing intense heat, a flame tube having an open forward end, a vapor discharge nozzle at the rear end of said tube and having a discharge port substantially in alignment with the axis of the flame tube for discharging fuel into said flame tube to mix with air and burn in said tube, an interiorly threaded portion disposed in rear of said nozzle, a stem extending through said threaded portion and adjustable toward and from said discharge port, said stem and threaded portion being in alignment with the axis of said discharge port, said stem being adapted to be withdrawn from said threaded portion, a cleanout member carried by said stem and adjustable toward and from said discharge port, a vaporizing passage leading from a source of supply of fuel to the port of said discharge nozzle, a valve for controlling the supply of fuel to said vaporizing passage located at a position remote to said discharge nozzle, said valve having a stem provided with an adjustment for positively forcing the valve to its closed position so as to control the supply of fuel to the discharge nozzle independent of the cleanout member, and means for limiting the forward movement of said cleanout member so as to prevent the latter from being forced into contact with the metal surrounding the orifice of the discharge nozzle.

1,461,898. SHEET-METAL CUTTING-OFF MACHINE. KARL WILLIAM HALLDEN, Waterbury, Conn. Filed May 22, 1920, Serial No. 383,441. Renewed Oct. 25, 1922. Serial No. 596,912. 8 Claims. (Cl. 164—49.)

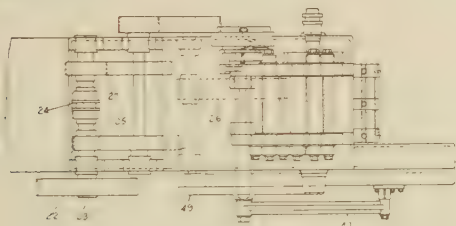
1. A cutting-off machine for sheet metal comprising a frame, feed rolls and a cutter-gate supported by the said frame, a bull-gear shaft and a counter-shaft supported by the said frame, mechanism interconnecting the said bull-gear shaft and gate for effecting a reciprocating movement of said gate, gearing interconnecting said

counter-shaft and rolls, means for driving said counter-shaft from said bull-gear shaft comprising a one-way clutch, and retarding means on the said countershaft,



said retarding means operating in opposition to said driving means under driving conditions and serving to check reverse movement of the countershaft under non-driving conditions.

1,461,899. SHEET-METAL CUTTING-OFF MACHINE. KARL WILLIAM HALLDEN, Waterbury, Conn. Filed Dec. 22, 1921. Serial No. 524,091. 1 Claim. (Cl. 164—49.)



A cutting off machine for sheet metal comprising a bed, feed rolls and a cutter-gate supported by said bed, a bull-gear shaft and a one-way intermediate shaft supported by said bed, mechanism operative responsive to rotation of said bull-gear shaft for effecting a reciprocating movement of said gate, gearing interconnecting said intermediate shaft and rolls, driving means for driving said intermediate shaft from said bull-gear shaft comprising a one way clutch, and retarding means on said intermediate shaft, said retarding means operating in opposition to said driving means under driving conditions of operation and serving to check reverse movement of said intermediate shaft.

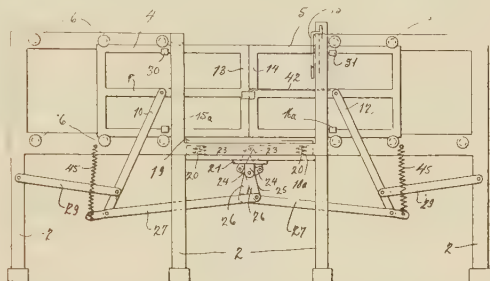
1,461,900. CORD TERMINAL FOR MASK FASTENERS. GEORGE A. HANFT, Irvington, N. J., assignor to Newark Mask Co. Inc., Irvington, N. J., a Corporation of New Jersey. Filed Dec. 4, 1922. Serial No. 604,719. 1 Claim. (Cl. 24—115.)



A device of the character described including a flat sheet metal body portion having a pair of oppositely disposed substantially parallel ears stamped therefrom to form an opening having one of said ears at each of two

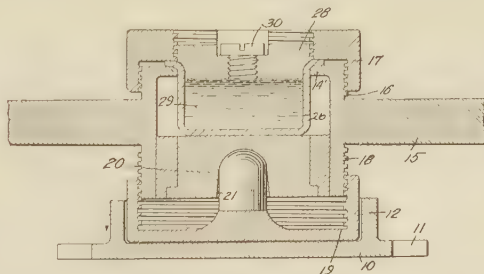
opposite sides thereof, said ears being so arranged that their adjacent edges are in spaced relation to one side of said body portion and are adapted to substantially meet in the plane of the body portion, and a cord overlying said opening beneath said ears, said ears being pressed toward said body portion tightly against said cord to hold the same against movement on said body portion in all directions.

1,461,901. AUTOMATIC BRIDGE GATE. ILKO HARMATA, Boyle, Alberta, Canada. Filed May 11, 1920. Serial No. 380,469. 1 Claim. (Cl. 39—18.)



A device of the class described comprising a frame, a pair of gates slidably supported in said frame, guide means and rollers on said frame for said gates, an opening in said frame for the passage of vehicles, posts on each side of said opening, a platform supported at the bottom of said opening, a panel under said platform rigid to said frame, a plurality of springs mounted upon said panel, said platform resting upon said springs, means operable by depression of said platform to open said gates, said means also operable by raising of said platform to close said gates, said means comprising links attached to the underside of said platform, bell cranks pivotally attached to said links, rods pivotally attached to said cranks, a rod attached at one end to each of said gates, the other end of each of said rods attached to the free end of each of said first named rods, and additional rods attached at one end to said frame and at the other end to said second named rods.

1,461,902. LEATHER GASKET. BRADFORD B. HOLMES, New York, N. Y., assignor to John W. Weeks, Secretary of War of the United States of America, trustee. Filed Apr. 19, 1922. Serial No. 555,599. 5 Claims. (Cl. 69—21.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A method of forming gaskets of substantially cross sectional U-shape, including bringing a sheet of leather to the proper thickness, softening the leather by the application of oil, cutting the leather to form a disc of the desired size, drawing the disc to a cup, stretching the cup to a substantially shallow bowl shape and severing the rim and a portion of the bottom from the bowl.

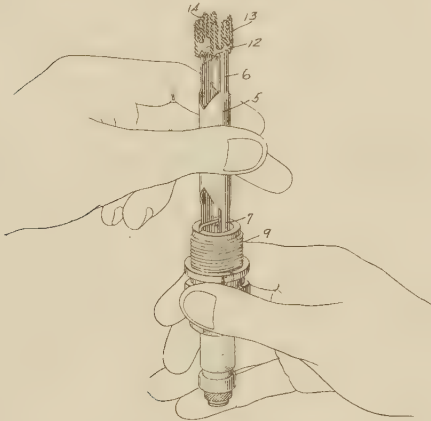
5. A method of forming a gasket of substantially cross-sectional U-shape, the sides of the U lying in planes parallel with the plane of the gasket, including drawing a disc to form a shallow bowl then severing the sides of the bowl from the rim and bottom.

1,461,903. RUNNING-BOARD APRON GUARD. SAMUEL L. HOOPES and ARTHUR A. GIETZELT, Fresno, Calif. Filed Apr. 18, 1921. Serial No. 462,137. 2 Claims. (Cl. 280—169.)



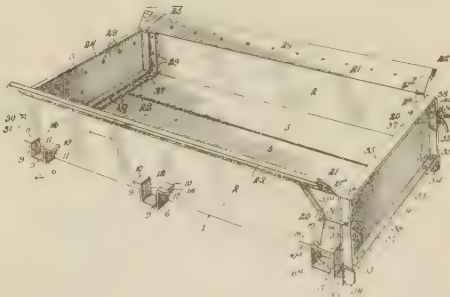
1. A guard for the running board apron of a vehicle comprising a substantially rectangular plate mounted on said running board to extend vertically; a hinged connection between said plate and running board; and means to detachably lock said plate in its vertical position.

1,461,904. CLEANING IMPLEMENT. GEORGE ARTHUR HOYEM, Lennep, Mont. Filed Sept. 28, 1921. Serial No. 503,904. 3 Claims. (Cl. 15—104.18.)



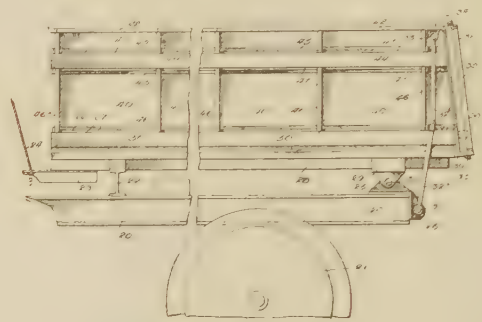
1. A spark plug cleaner, comprising a cylindrical body provided at one end with opposed, reduced, resilient legs, each leg terminating in an enlarged arcuate head, said heads having scraper blades struck outwardly therefrom, said blades extending in the same general direction as said body.

1,461,905. TRUCK BODY. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Mar. 22, 1919, Serial No. 284,293. Renewed May 15, 1923. 26 Claims. (Cl. 296—28.)



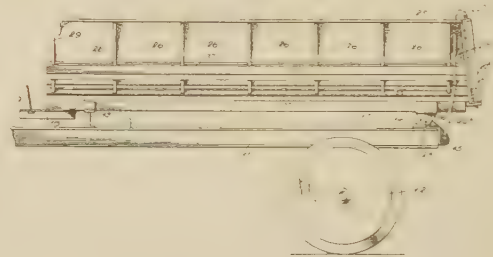
1. A vehicle body having side members of sheet metal, a bottom or floor of sheet metal of channel form and including a plurality of sheet metal channels with edge flanges, some in juxtaposition and others engaging the sides of the body, and cross bars traversing and interlocking both the juxtaposed flanges and the sides of the body where engaged by the flanges, the interlocking connection between the cross bars, the floor channels and the sides holding said parts in assembled position against movement either lengthwise or crosswise of the body.

1,461,906. SHEET-METAL CONSTRUCTION FOR TRUCK BODIES, RACKS, ETC. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Dec. 26, 1919. Serial No. 347,428. 36 Claims. (Cl. 296—28.)



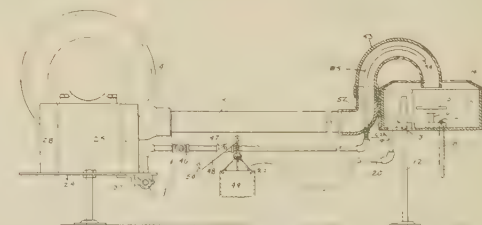
1. The combination with a plurality of channel members having their flanges facing in one direction, said flanges having spaced entering slots, of a plurality of channel bars arranged crosswise relatively to the channel members with their flanges facing in the opposite direction, said cross channel bars having their flanges provided with spaced entering slots, the flanges of said members and bars interlocking by means of said slots, the slots in the flanges of said members being of a depth to cause the flanges of the channel bars to enter the same and bear against the inner faces of said members.

1,461,907. SHEET-METAL CONSTRUCTION FOR TRUCK BODIES, ETC. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Dec. 26, 1919. Serial No. 347,429. 8 Claims. (Cl. 296—28.)



1. In a body, a plurality of channel members having their flanges facing outwardly and placed in juxtaposition and secured together to form the bottom of said body, the flange of one member being lapped over the flange of the adjacent member, each of said channel members having their flanges split and being bent upwardly a plurality of times to form integral portions comprising the sides of said body.

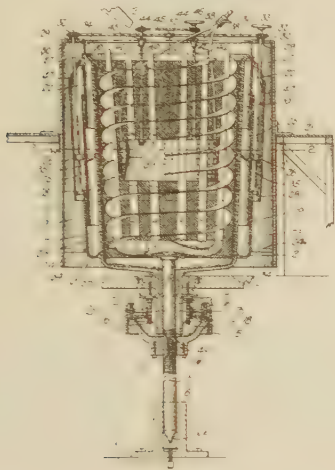
1,461,908. OIL BURNER. HENRY IZARD, Portland, Oreg. Filed Mar. 8, 1921. Serial No. 450,562. 4 Claims. (Cl. 158—28.)



2. In an oil burner, the combination of an open top combustion box having a baffle plate in the center of its

bottom with an inverted air supplying elbow suspended over the side of said box and having its outlet over said baffle plate, means for forcing air through said elbow against said baffle and an oil supply pipe within said elbow and having its discharge over said baffle.

1,461,909. CENTRIFUGAL SEPARATOR. CHARLES B. JANDOS, Windsor, Colo., assignor of two-fifths to Emilio D. De Soto, Denver, Colo. Filed Apr. 5, 1919. Serial No. 287,715. 9 Claims. (Cl. 210—68.)



2. A centrifugal separator comprising a rotary, circumferentially perforated basket, a rotary spiral blade inside the basket, a receiving surface at the lower end thereof, a mantle around the basket, and means for spraying a wash-water onto material carried on the blade.

1,461,910. SINGLETREE CONSTRUCTION. LEON JEANNOTTE, Gravelbourg, Saskatchewan, Canada. Filed Dec. 28, 1921. Serial No. 525,525. 1 Claim. (Cl. 280—102.)

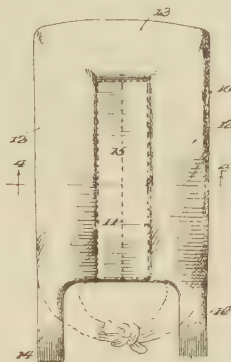


Singletree having brackets mounted on the outer terminals thereof, the outer terminals of the said brackets extending inwardly, springs mounted on the said singletree, the outer terminals of the said springs embracing the said brackets, auxiliary compression springs adapted to tension the said springs outwardly, abutments carried by the said springs and adapted to keep the said springs in spaced relation from the inwardly extending terminals of the said brackets and retain trace connections when attached to said terminals.

1,461,911. PNEUMATIC SUPPORT. GUS JORDAEN, Palm Beach, Fla. Filed Aug. 19, 1922. Serial No. 582,914. 3 Claims. (Cl. 9—20.)

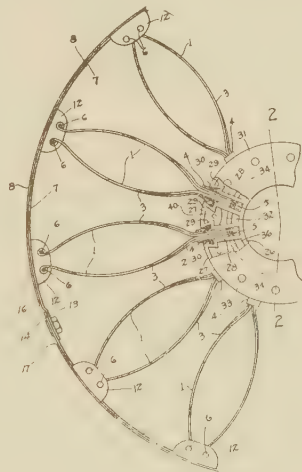
1. A pneumatic support having a generally rectangular inflatable body provided with relatively small spaced apart tubular extensions into which air may be blown for inflat-

ing the body, said extensions having open free ends and being of a length adapting the same to effective tying



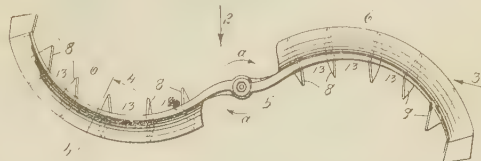
and to serve the double purpose when tied of retaining air within the body and augmenting the supporting surface of the body.

1,461,912. VEHICLE WHEEL. ADELBERT F. KELLY, Spokane, Wash. Original application filed Mar. 29, 1920, Serial No. 369,765. Divided and this application filed Dec. 30, 1920. Serial No. 434,045. 5 Claims. (Cl. 152—50.)



1. A spring-spoke wheel hub structure including a hub presenting a plurality of sockets disposed thereon in annularly spaced relation, complementary pairs of oppositely bowed spring spokes having inner portions extending inwardly through said sockets, means for securing the inner portions of each pair to said hub, and resilient means in each socket yieldingly to resist distortion of said spoke pairs.

1,461,913. PROPELLER FOR FLYING MACHINES. WILLIAM H. KELLY, Cheyenne, Wyo. Filed Apr. 9, 1917. Serial No. 160,610. 14 Claims. (Cl. 170—170.)

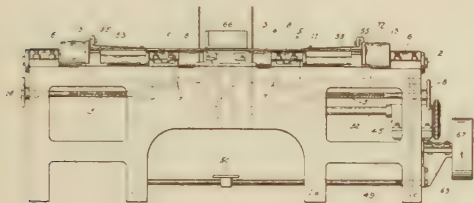


1. A propeller including blades arranged so that a straight line connecting any two points in the front

1,461,918. HYDROMETALLURGICAL PRECIPITATION OF COPPER. FREDERICK LAIST, Anaconda, Mont., assignor to Anaconda Copper Mining Company, a Corporation of Montana. Filed Apr. 20, 1920. Serial No. 375,261. 5 Claims. (Cl. 75-18.)

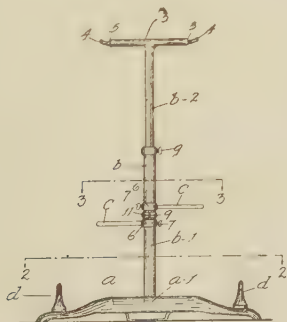
1. Method of precipitating metallic copper from solutions comprising introducing into the solution maintained under appropriate superatmospheric pressure and at a temperature below that at which substantial reaction occurs sulfur dioxide in quantity more than would be sufficient to saturate the solution at atmospheric pressure, and thereafter raising the temperature to effect the precipitation of copper, whereby metallic copper substantially free from sulfur compounds is obtained.

1,461,919. CUT-OFF SAW. THOMAS L. LA MALTA, Memphis, Tenn. Filed Apr. 12, 1922. Serial No. 551,790. 12 Claims. (Cl. 143-54.)



1. In a cut off saw, a frame, a feed table mounted transversely thereon, and means for actuating said table, oppositely disposed saw arbors lying substantially along the longitudinal axis of the frame, saws mounted on the said arbors at the inner or contiguous ends thereof, a bearing for the saw end of each arbor, carrying the said arbor longitudinally fixed therein, a bracket carrying the said bearing, adjustably mounted on the said frame, means for clamping the said bracket to and unclamping the same from the said frame, means for moving the said bearing longitudinally along the said frame, a fixed bearing for the outer end of each saw arbor, rigidly mounted on the said frame, a spline extending along the outer portion of the said arbor and fastened thereto, a belt pulley slidably mounted on each arbor and having a key way adapted to receive the said spline, a hub extending laterally beyond the face of the pulley and journaled in the said fixed bearing, and a collar to prevent longitudinal motion of the said pulley hub in the said bearing.

1,461,920. MUSICAL-INSTRUMENT RACK. ROBERT E. LARSON, San Diego, Calif. Filed July 25, 1922. Serial No. 577,312. 1 Claim. (Cl. 248-30.)



An instrument rack comprising a base member, an upright member mounted on said base member, an adjustable member provided at one end with a horizontal

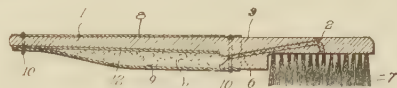
portion with a plurality of curved instrument support portions each off-set on said horizontal portion, adjustably mounted in said upright member, adjustable support members mounted on said upright member, and a separating member mounted on said upright member between said two last mentioned support members.

1,461,921. ELECTRIC GAS LAMP. ANTON LEDERER, Vienna, Austria, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 16, 1914, Serial No. 839,089. Renewed May 3, 1921. Serial No. 466,400. 7 Claims. (Cl. 176-122.)



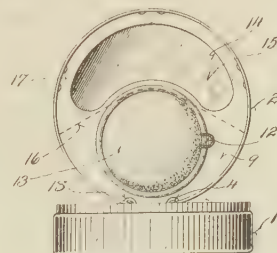
1. An electric gas lamp comprising a gas-filled envelope or container, in combination with conducting electrodes, one of which is covered with an oxide and constitutes a negative electron emitter which forms one electrode of a rectifier and the other of which is made of one of the alkali metals, and means for directly passing current through the electron emitting electrode.

1,461,922. COMBINED TOOTHBRUSH AND DENTIFRICE CONTAINER. WILLIAM E. LITTLE, Chicago, Ill. Filed May 5, 1922. Serial No. 558,634. 5 Claims. (Cl. 15-135.)



1. In combination, a tooth brush having a duct leading to the bristles thereof and having a handle, a collapsible tube having a partition forming a pair of pockets, one of which is adapted to enclose substantially the entire length of said handle, and the other of which is adapted to contain paste, said last-mentioned pocket communicating with said duct and permitting said paste to be discharged therethrough when said tube is squeezed.

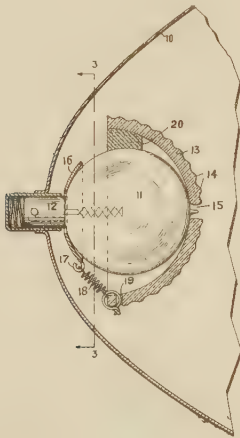
1,461,923. COMPACT ATTACHMENT. ALFRED M. LOCKE, Milwaukee, Wis. Filed Nov. 9, 1922. Serial No. 599,796. 6 Claims. (Cl. 132-83.)



6. A vanity case comprising a circular bottom portion and a hinged circular and flanged top portion cooperating therewith, a circular plate positioned

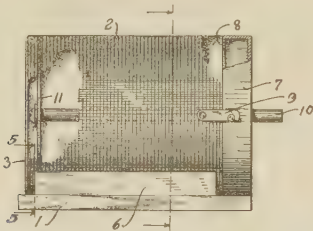
within said top portion and having a depressed cup shaped portion spacing said plate from the top of said top portion, and having a crescent shaped cut-out and a mirror positioned between said plate and said top, and having a marginal portion contacting with the flange of said top, and a second marginal portion contacting with the wall of said depressed cup portion.

1,461,924. VEHICLE HEADLIGHT. OTTO G. LUYTIES, Mount Vernon, N. Y. Filed Mar. 14, 1918. Serial No. 222,279. 18 Claims. (Cl. 240—48.6.)



1. In a vehicle headlight, in combination, a curved rear reflector, an electric bulb mounted therein, and a unitary device comprising a light-diffusing member surrounding said bulb, cushioning means and resilient securing means, said securing means, cushioning means and light-diffusing member being connected one to another.

1,461,925. FLYTRAP. JOSEPH A. MACK, Minturn, Colo. Filed Apr. 22, 1922. Serial No. 555,982. 3 Claims. (Cl. 43—118.)



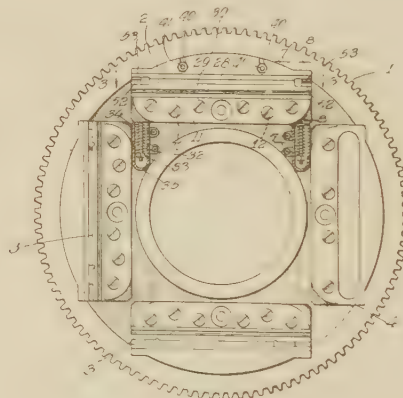
3. In a fly-trap comprising in combination a base, a cylindrical container of woven wire fabric secured to said base, an entrance port extending along said container near the base, said port comprising two rows of spaced inwardly projecting wires adapted to permit the flies to move inwardly into the container but not outwardly therefrom, an end member secured to one end of the container, a pan like member secured to the other end thereof and removably held in place thereon, said pan having an inwardly projecting annular flange, a handle extending through pan and into the container, a disc secured to the inner end of the handle and adapted to cooperate with said flange to form a cover, and a feed pan adapted to be placed on said base and having its upper side opening against the screen cylinder.

1,461,926. RAILWAY TICKET. PATRICK F. MALLOY, Milwaukee, Wis. Filed Feb. 4, 1922. Serial No. 534,202. 1 Claim. (Cl. 283—23.)



A railway ticket provided with a baggage checking section arranged at one corner thereof, said section being defined by a line of perforations whereby the same may be easily detached from the ticket and the resulting condition of the ticket made easily discernable.

1,461,927. TYPOGRAPHICAL MOLD. HARLEY J. MEGLEY, Chicago, Ill. Filed Jan. 30, 1922. Serial No. 532,656. 33 Claims. (Cl. 199—55.)

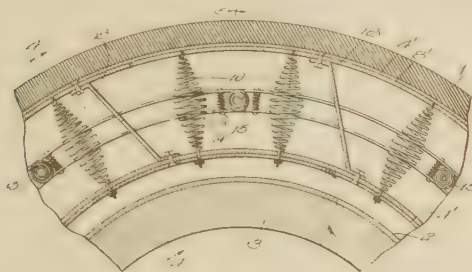


1. In a mold of the class described, a base member having an offset surface, a plate secured thereto, a jaw member having a depending flange slidably mounted between said offset surface and said plate member, spring means carried by said base member for yieldably maintaining said jaw member in closed position, a cap member, a second jaw member slidably mounted in the plane of movement of said first jaw member, said second jaw member having guide slots cooperable with posts carried by said cap member and projecting arms guided by said base member.

1,461,928. WHEEL TIRE. FREDERICK C. MILLER, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 509,936. 8 Claims. (Cl. 152—8.)

1. In a device of the kind described and in combination, a felly adapted to receive an outer casing thereon, a pair of substantially semi-cylindrical members arranged annularly within said casing, the adjacent annular side

edges of said members spaced apart, circumferentially spaced springs extending through said casing between both of said spaced side edges in a direction substan-



tially parallel to the axis of the casing, and means for yieldably resisting the radial movement of said semi-cylindrical members.

1,461,929. MOLD. GILBERT K. MONROE, Sidney, Ohio. Filed Jan. 31, 1922. Serial No. 532,989. 12 Claims. (Cl. 25--127.)



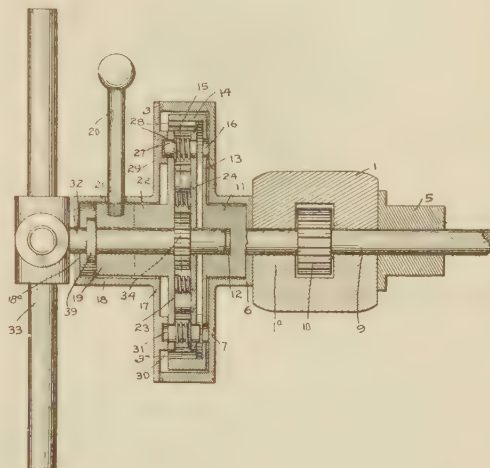
1. In a structure of the character described, inner and outer independent walls forming a molding space, an outer retaining member, and means carried by said member for supporting said walls in spaced relation with each other.

1,461,930. STEAM BOARD. WALTER W. NOBIENSKY, Janesville, Wis. Filed Jan. 27, 1923. Serial No. 615,209. 1 Claim. (Cl. 26-7.)



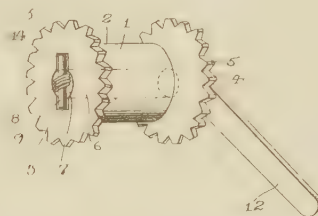
A steam board comprising a casing having a transversely arched, longitudinally tapered, perforated top, and downwardly converging lower side walls slanting downwardly towards the larger end of said table, a drain pipe opening into said casing adjacent to its lowest portion, a steam pipe extending into said casing and branching into a pair of substantially parallel pipes of unequal length, the longer of such pipes extending into the narrower portion of said casing, said pipes having downwardly opening apertures whose axes roughly parallel the converging lower side walls of said casing, whereby moisture carried by the steam will be blown downwardly and dry steam will rise from the central portion of said casing and pass upwardly through said apertured top.

1,461,931. HAND FEED FOR DRILL PRESSES. OSMOND A. OSMONDSON, Chicago, Ill. Filed Jan. 8, 1921. Serial No. 435,963. 5 Claims. (Cl. 77-32.)



1. In a hand feed for drill presses the combination with a spindle actuating gear and an operating member, of change speed mechanism for transmitting motion from said member to the gear, said mechanism including an internal gear, a cage, and a train of gears in the cage and meshing with the internal gear, means under the control of the operator for shifting said cage to one position to reduce the speed of the driven gear, to another position to insure equal speed of said member and gear and to a third position to uncouple the drive connection between said member and gear, and means for securing said shifting means in one of its positions.

1,461,932. TOY. STANLEY PENKSA, Long Island City, N. Y. Filed Aug. 23, 1920. Serial No. 405,373. 12 Claims. (Cl. 46-45.)

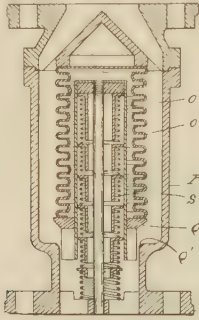


1. A device of the character described consisting of a spool having vertically extending wheel forming flanges upon the spool, a resilient band extending through the bore and manually operable means for winding said band, one of said wheels being of greater diameter than the other, said means consisting of a lever over which one end of said band is looped.

1,461,933. SPEED GOVERNOR FOR INTERNAL-COMBUSTION ENGINES. E RALPH PIERCE, Rochester, Mich., assignor to Monarch Governor Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 31, 1919. Serial No. 334,748. 5 Claims. (Cl. 137-153.)

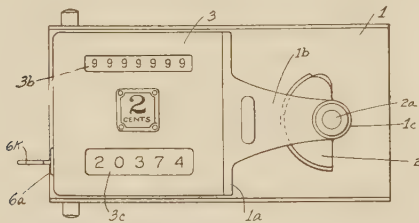
4. A governor for internal combustion engines comprising a controlling member subjected to variable pressures incident to variations in operating the engine, a plurality of springs arranged to form an opposing pres-

sure upon said member, and means for limiting the action of one of said springs whereby the combined action



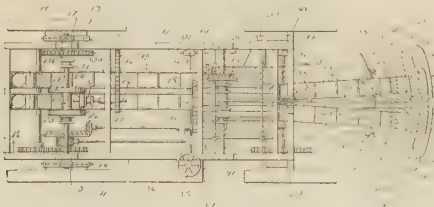
of said springs corresponds to a predetermined characteristic such as to maintain under changing loads a substantially constant speed.

1,461,934. REGISTER FOR POSTAGE-MARKING MACHINES. ARTHUR H. PITNEY and JACOB W. OGDEN, Stamford, Conn., assignors to Universal Postal Machines Corporation, Stamford, Conn., a Corporation of Delaware. Filed June 7, 1922. Serial No. 566,593. 19 Claims. (Cl. 101-91.)



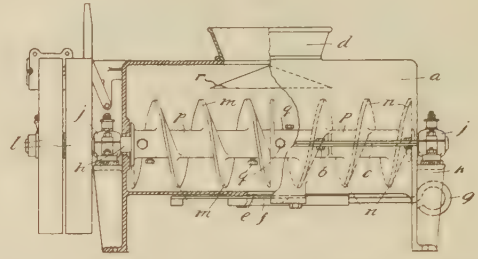
1. An attachment for the purpose specified, comprising a base, a rotatable printer mounted thereon; a casing on the base beside the printer; a total counter and a sub-total counter in the casing; gearing between the printer and said counters whereby each counter is turned one unit for each rotation of the printer; and means for locking the printer against rotation when the attachment is removed from the machine whereby it is operated, and for releasing the printer when the attachment is placed in the machine.

1,461,935. POTATO DIGGER. AUGUST J. RAASCH, EDWARD H. RAASCH, and HANS A. OLSEN, Milwaukee, Wis. Filed Feb. 1, 1921. Serial No. 441,558. 4 Claims. (Cl. 55-9.)



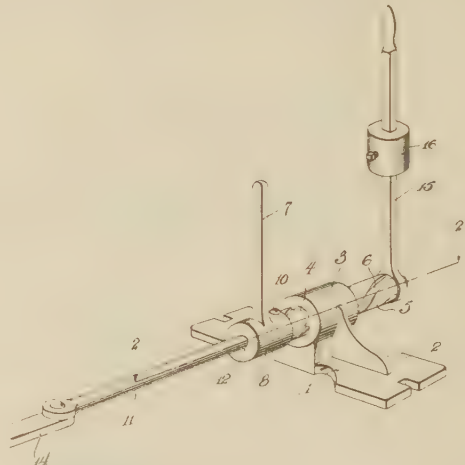
1. A potato digger comprising a vehicle, a plurality of conveyors pivotally connected to the vehicle and extending downwardly and forwardly therefrom, a beam extending downwardly and forwardly from the vehicle and having a plurality of transversely disposed arcuate guides at its forward end concentric with the pivots of the respective conveyors and on which the forward ends of the conveyors are adjustably supported, means for scooping the potatoes from the ground and delivering them onto the conveyors and means for operating the conveyors to deliver the potatoes onto the vehicle.

1,461,936. SAND OR LIKE MIXING MACHINE. JOHN WILLIAM RICHARDS, Coseley, near Bilston, England, assignor to A. Harper Sons and Bean Limited, Dudley, Worcestershire, England. Filed Dec. 9, 1922. Serial No. 605,779. 4 Claims. (Cl. 259-9.)



1. In a sand mixing machine, a trough container of depth greater than its breadth, apertures for respectively introducing material into the trough and for discharging it therefrom, a rotatable shaft eccentrically mounted within the trough, two solid, independent helical blades of right and left-hand pitch, respectively, carried by the shaft and disposed respectively toward opposite ends thereof, the inner ends of the said helical blades terminating in a substantially common plane.

1,461,937. AUTOMATIC SWITCH STAND. SHERROD RIDDEL, Springfield, Ill., assignor of one-fourth to Warren W. Albright and one-fourth to William Lahners, both of Decatur, Ill., and one-fourth to James J. Graham, Springfield, Ill. Filed Mar. 15, 1922. Serial No. 543,978. 2 Claims. (Cl. 246-40.5.)

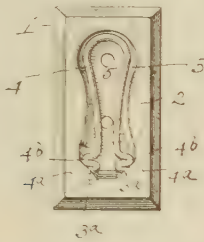


1. A switch stand comprising a stationary screw-threaded sleeve, a screw-threaded actuating member engaged with the threads in said sleeve, an operating rod connected to said actuating member whereby said rod will be actuated longitudinally when said actuating member is turned in said sleeve, means fixed to said actuating member to be forcibly engaged for imparting an initial rotary motion to said actuating member, and a weighted lever mounted on the end of the actuating member for continuing the rotary movement of said actuating member after the initial impetus has been imparted to said means.

1,461,938. SUPPORTING DEVICE. JACOB B. ROSE, Cleveland, Ohio, assignor to The Osborn-Crew Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 13, 1921. Serial No. 507,529. 6 Claims. (Cl. 248-24.)

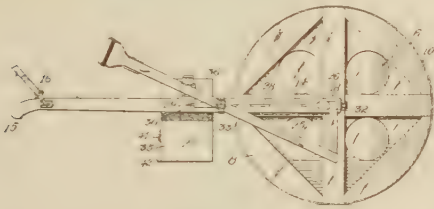
1. In a device of the character described, a base member, a supporting member pivotally mounted at one of its ends on said base, said base being provided with sur-

faces adapted to be engaged by the supporting member as it is moved on its pivot to thereby deform said sup-



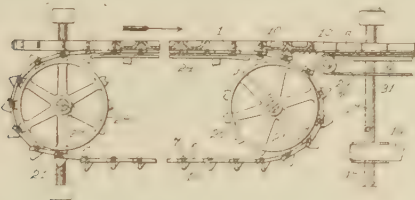
porting member from its natural position, whereby the supporting member returns to its initial position when released.

1,461,939. WIRE CART. EDGAR R. SAGER, U. S. Army. Filed Sept. 4, 1920. Serial No. 408,340. 11 Claims. (Cl. 179—29.)



1. A cart of the character described, comprising a reel mounted on and rotatable with the cart axle, shafts engaged with the axle and electrically connected to said reel through the axle, and intelligence transmitting and receiving means supported on said shafts and electrically connected thereto.

1,461,940. TRANSLATIONAL SECTIONAL-MOLD ASSEMBLY. ERNEST E. SCHENK, Webster City, Iowa. Filed Apr. 7, 1922. Serial No. 550,539. 4 Claims. (Cl. 25—99.)

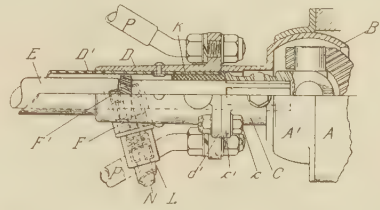


1. In mechanism of the character described, separably assembled and engaged, and longitudinally aligned molds, and translational means therefor including projections thereon insertable between and withdrawable from the molds to close the ends of the molds.

1,461,941. TRANSMISSION DRIVE. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 23, 1922. Serial No. 570,482. 2 Claims. (Cl. 74—7.)

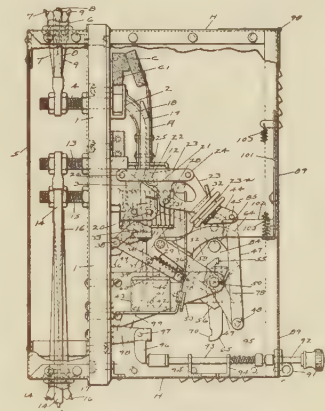
1. In a motor vehicle, an instrument drive connection comprising the propeller shaft housing member of a universal joint between said shaft housing and the transmission casing, said member having a gear pocket situated laterally of the propeller shaft the axis of said pocket extending forwardly and obliquely with respect to the shaft, a gear cut in the shaft at the entrance to said pocket; a screwed-in closure for said pocket having

a journal bearing therethrough; a shaft journaled in said closure journal bearing; a gear on the inner end of said shaft meshing with the gear on the propeller



shaft; said closure being exteriorly formed for attachment thereto of a casing of a flexible shaft, and the shaft journaled therein being exteriorly formed for coupling to the rotary member of the flexible shaft.

1,461,942. SWITCHING APPARATUS. WILLIAM M. SCOTT, Tredyffrin Township, Chester County, Pa. Filed May 21, 1920. Serial No. 383,031. 45 Claims. (Cl. 200—89.)



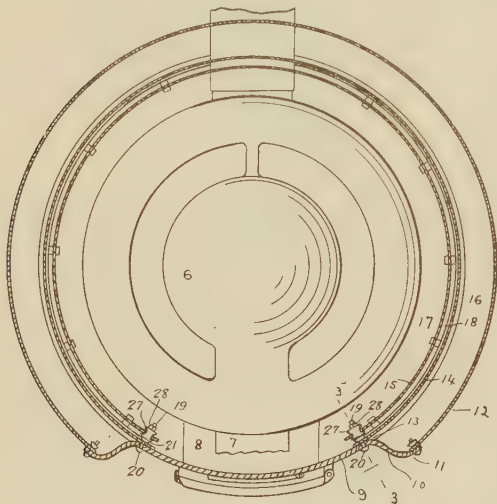
44. The combination with a switch unit comprising a movable contact member and operating and restraining means therefor, of a non-closable unit comprising an actuated member, an actuating member for actuating said actuated member and disengageable therefrom, a link connecting said actuated member with said operating means of said switch unit, and means for effecting disengagement of said actuated member from said actuating member comprising coacting members one of which has an elongated arcuate surface disposed adjacent to and adapted to engage with the other, and electro-responsive means for controlling said restraining means and for effecting engagement of said co-acting members to disengage said actuated member from said actuating member.

45. Circuit breaker mechanism comprising a movable contact member, a plural link toggle co-acting with said contact member for operating the same, main and secondary operating levers, means forming a detachable connection between said operating levers, and a pivotal operating connection between said secondary operating lever and said toggle.

1,461,943. HEATER-CASING CONSTRUCTION. JACOB J. SEEMANN, Utica, N. Y., assignor to Utica Heater Company, Utica, N. Y., a Corporation. Filed July 24, 1922. Serial No. 576,988. 8 Claims. (Cl. 126—114.)

1. In a heater casing construction, the combination of a panel front having its side edges provided at intervals with bolt-receiving apertures, outer casing-holding means at the rear of each side edge of said panel front with

bolt holes opposite the bolt holes in the panel, bolts extending loosely through said panel apertures and extending through said outer casing-holding member and projecting inwardly thereof, a spool mounted on said inward portion of each bolt, a nut on the inner end of



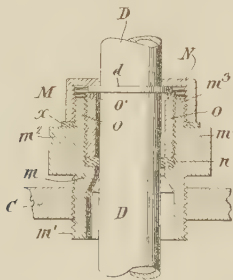
each bolt, an outer casing held between the rear of the panel front and said outer casing-holding member and an inner casing having apertures near its vertical edges and registering with said spools whereby said inner casing is hooked onto said spools.

1,461,944. IMPULSE SENDER. MICHAEL SETTER, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 8, 1918. Serial No. 227,402. 9 Claims. (Cl. 74—54.)



1. In a ratchet driven mechanism, an element to be driven having ratchet teeth on one of its surfaces, a hand operated driving element, having an opening therein, a pawl adapted to be inserted into said opening and cooperating with said driving element to drive said element, and a leaf spring mounted adjacent said opening and having a projection which acts as a sole support for said pawl and holds it in engagement with the ratchet teeth of the driven element through said opening.

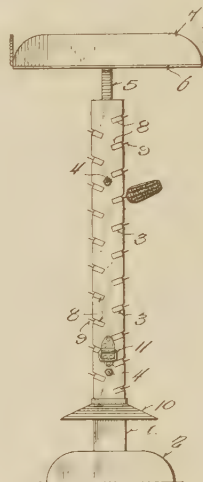
1,461,945. DEVICE FOR CONNECTING SUCTION PIPES TO TANKS AND OTHER RECEPTACLES. WILLIAM C. SHANLEY, Des Moines, Iowa. Filed Feb. 21, 1921. Serial No. 446,651. 3 Claims. (Cl. 285—124.)



1. The combination with a suction pipe of a gland for connecting the pipe with a receptacle, comprising a

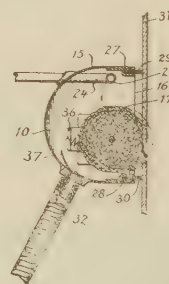
threaded body portion adapted to be secured to the receptacle and having an internally threaded chamber, a threaded sleeve adapted to engage the internally threaded part of the gland, packing held in place within the gland by the sleeve, a cap through which the suction pipe extends and which has a threaded engagement with the gland and packing, held in place on the gland by the cap.

1,461,946. RACK FOR DRYING SEED CORN. PAUL E. SIEVERT, Watertown, Wis. Filed Oct. 12, 1922. Serial No. 594,003. 2 Claims. (Cl. 34—26.)



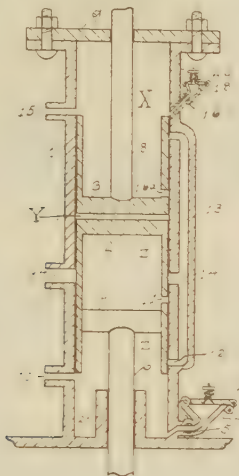
2. A device of the character described comprising a pair of spaced uprights having their edges provided with inclined recesses, brace members connecting said uprights, a cover supported above the uprights and provided with upturned edges cutaway at the corners to permit drainage of the cover, rack bars detachably mounted in said recesses and provided with pins projecting therefrom, and guards carried by said uprights and surrounding the same to prevent access of rodents to the rack bars.

1,461,947. WINDOW-CLEANING DEVICE. PAUL SPORER, Chicago, Ill. Filed May 13, 1920. Serial No. 380,969. 7 Claims. (Cl. 15—130.)



1. In a device of the class described, a cleaning member comprising a casing having an open face, a revoluble washing element, bearing plates for said element mounted in said casing and movable toward and from said open face, means for limiting the advance of said plates toward said open face, springs normally maintaining said plates in their advanced position, and means for supplying fluid to said washing element.

1,461,948. INTERNAL-COMBUSTION ENGINE. BOLES-LAW STOSIK, Denver, Colo. Filed May 2, 1921. Serial No. 465,993. 5 Claims. (Cl. 123—69.)



1. In an internal combustion engine the combination with a cylinder having two inlet ports and one exhaust port in the side thereof and a bypass passage in the wall thereof, of two tubular pistons arranged to create three chambers in the cylinder, to cover and uncover the said inlet ports and to register with the said bypass passage thru a port provided in the wall of each piston in order to connect the three chambers for the purpose specified.

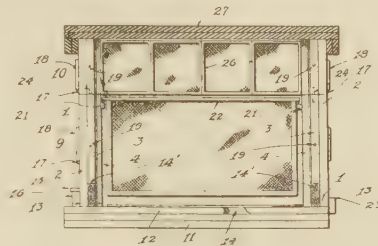
1,461,949. DIAL-SCALE PRINTING DEVICE. MELVIN ARVINE SWEET and GEORGE WILLIAM BRITTON, Hamilton, Ontario, Canada. Filed June 20, 1919. Serial No. 305,516. 8 Claims. (Cl. 234—1.)



1. In a dial scale recording device, the combination with the dial and a circular frame surrounding the dial, of type characters arranged on the perimeter of said dial frame, a carriage supported from and embracing said dial frame and adapted to be moved concentrically therearound being operable from the front of the dial, and means manually operable from the front of the scale supported by said carriage for taking an impression from the type.

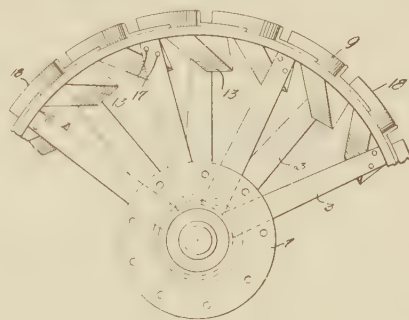
4. A dial scale recording device, comprising a rim, type characters arranged on said rim in radial alignment with the scale markings of the dial and corresponding therewith, a rotatable member adapted to be moved around said rim, a supplementary type supporting member arranged upon said rotatable member and adapted to align with individual numerals or characters, and means for effecting the impression of the type.

1,461,950. BEEHIVE. JOHN TOTH, Bartonville, Ill. Filed Apr. 1, 1922. Serial No. 548,599. 2 Claims. (Cl. 6—1.)



1. A bee hive including in its construction a lower section comprising a base, a pair of walls erected thereon spaced from one another in parallel planes, a support for each wall for maintaining it in fixed position and spacing it above the base, each wall at its vertical edges being rabbeted, the rabbets being on the surfaces of said walls that face one another, other walls abutting at their ends upon the first named walls, the second named walls also being rabbeted to fit the rabbets of the said first named walls to form a cold tight joint, means to secure the walls in position but permit their quick removal, an upper section comprising walls likewise rabbeted separable from one another adapted to rest upon the walls of the lower section, means to secure the walls of said upper section against lateral displacement with respect to the walls of said lower section, the enclosed space of the upper section communicating with that of the lower section, and a closure for the upper section constituting a covering for the entire hive.

1,461,951. TRACTOR WHEEL. WALLACE W. TUTTLE, Detroit, Mich. Filed June 23, 1920. Serial No. 391,000. 5 Claims. (Cl. 301—53.)

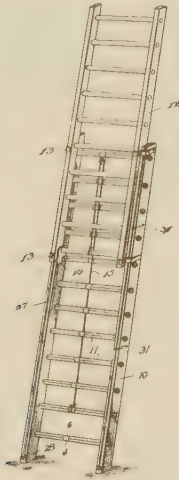


3. In a tractor wheel, a hub member, a series of spokes emanating from each end thereof, a pair of rim members, each secured to one of the series of spokes, a plurality of cleat members secured to the rim members and spacing the same, the cleat members being positioned at an angle to the axis of rotation of the wheel and each being provided with a pocket open to the periphery of the wheel and extending inwardly toward the hub in the space between the rim members, the said socket of each cleat member being attached to an adjacent spoke.

1,461,952. EXTENSION LADDER. GEORGE H. WALCHLI, St. Louis, Mo., assignor to Kant-Break Ladders, Inc., St. Louis, Mo., a Corporation of Missouri. Filed May 6, 1922. Serial No. 558,931. 3 Claims. (Cl. 228—58.)

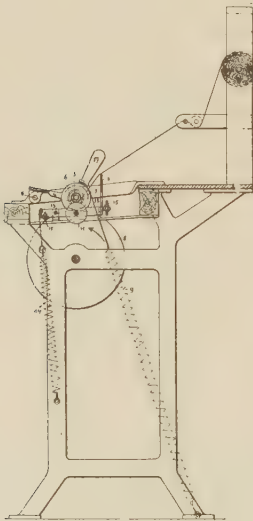
1. In a ladder having a pair of wooden sides and wooden rungs between said sides with their ends countersunk therein, said sides being provided with grooves along their edges and across their upper ends, a con-

tinuous wire embedded in the grooves of each side and spaced bracing bolts through said sides, a hook at one



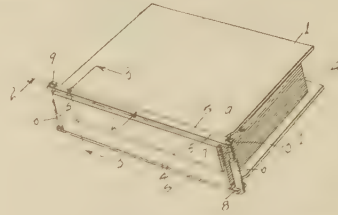
end of each bolt, a nut threaded on the other end thereof and a hooked washer under said nut, said hooks engaging with said wire.

1,461,953. DISK SPOOLING MACHINE. GEORG MAX WEHNER, Dresden, Germany. Filed May 24, 1921. Serial No. 472,076. 5 Claims. (Cl. 242—16.)



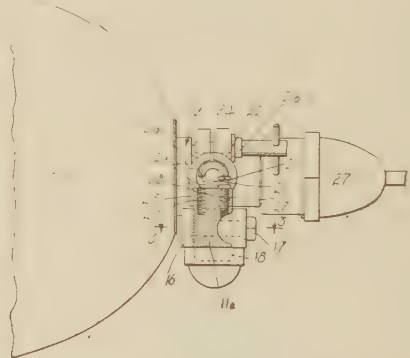
1. In a spooling machine the combination of a spool carrying mechanism having a driving roller, a driving wheel, a thread regulating mechanism having a roller adapted to roll in contact with the spooled yarn, a spring connected with the spool carrying mechanism and operative to force the driving roller thereof in contact with said driving wheel, a weaker spring connected with said thread regulating mechanism and operative to press its roller in contact with the winding spool in yielding opposition to said spring connected with the spool carrying mechanism until said spool is filled to a determinate point, and means for arresting at the determinate point the yielding action of said thread regulating mechanism, whereby the spool carrying mechanism is disconnected from the driving mechanism and stopped.

1,461,954. TEMPORARY BINDER OR LOOSE-SHEET HOLDER. GEORGE P. WIGGINTON, Kalamazoo, Mich., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Filed June 10, 1921. Serial No. 476,417. 12 Claims. (Cl. 129—8.)



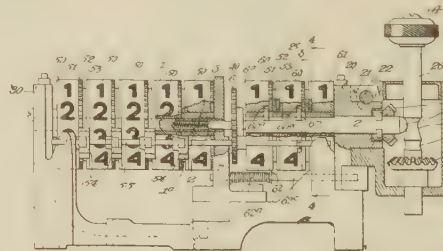
8. In a loose leaf binder, the combination of cover members, binding bars, post bars provided with sheet-engaging posts and with means for detachably engaging said covers and binding bars.

1,461,955. SPOTLIGHT BRACKET. RALPH E. WILLIAMS, Santa Ana, Calif., assignor to Williams Manufacturing Company, a Corporation of California. Filed Sept. 17, 1917. Serial No. 191,840. 3 Claims. (Cl. 240—7.)



3. In an adjustable headlight, a mounting bracket, a mounting member on a vertical pivot on the bracket, a horizontal pivot shaft revoluble in the mounting member and carrying a lamp, said shaft having two lugs spaced transversely of the shaft, and changeable stop means on the bracket that may be changed between positions where it lies beneath either one or the other of the shaft lugs.

1,461,956. ODOMETER-TRAIN-RESETTING DEVICE. ANDREW C. WOOD, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 21, 1920. Serial No. 375,515. 3 Claims. (Cl. 235—144.)



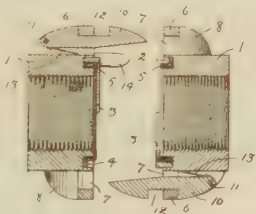
1. In a counting mechanism and the like which comprises a main train shaft, and a series of decimally-successive counter wheels in laterally successive position thereon with the initial wheel of the series positively

engaged with the shaft for rotation and the remaining wheels of the series mounted loose on the shaft for rotation, and which comprises also means for carrying from each decimally lower denomination wheel to the next higher denomination wheel in the advance direction of the lower denomination wheel, and regular means for rotating the shaft to rotate the lower denomination wheel in advance direction; one-way-positive engaging means for engaging the shaft with the wheels above the lowest denomination in the rotation of the shaft in reverse direction; means for disengaging the shaft from the regular advance driving means, and means separate from said advance driving means for rotating the shaft in either direction at will.

1,461,957. PROCESS OF RECOVERING TIN FROM IMPURE ORES. HARRY H. ALEXANDER, Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 28, 1919, Serial No. 293,183. Renewed Apr. 20, 1922. Serial No. 555,796. 12 Claims. (Cl. 75—17.)

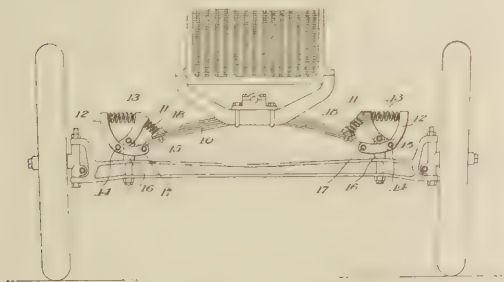
1. In the art of extracting metallic tin from ores, the process which consists in treating the ore in a blast furnace with suitable material adapted to form silicates of tin, and removing said silicates of tin as a slag.

1,461,958. COUPLING. FRANK O. ARNOLD, Duluth, Minn. Filed May 16, 1921. Serial No. 470,094. 2 Claims. (Cl. 285—58.)



1. The combination with a coupling of the character described comprising two like separable flanged halves, of means for automatically holding the halves together when united comprising a pivotally mounted depressible dog extending through one of the two diametrically opposed holes in the flange of each half.

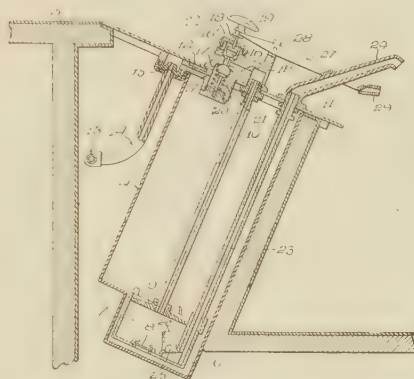
1,461,959. SHOCK ABSORBER. ROBERT ARROWSMITH, Homestead, Mont. Filed Jan. 10, 1922. Serial No. 528,282. 2 Claims. (Cl. 267—17.)



1. A shock absorber for vehicles comprising in combination with a main spring, of twin compression arms, a cushioning element interposed between and connecting the free extremities of said arms, one end of one of said arms being pivoted upon the other of said arms at a point in its length, a perch pivotally supporting the first mentioned arm, the said second mentioned arm having one end curved beneath the first mentioned arm

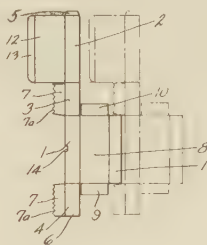
and pivotally connected with the adjacent extremity of the main spring, and a cushioning element interposed between said curved extremity of the second mentioned arm and the main spring for the purpose specified.

1,461,960. SIRUP JAR. CHARLES L. BASTIAN, Chicago, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 3, 1919. Serial No. 274,629. 7 Claims. (Cl. 225—35.)



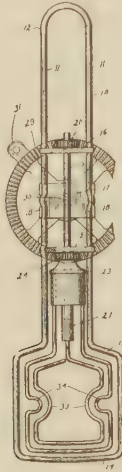
1. In a liquid dispensing apparatus, a counter or the like, a pipe associated with the counter or the like for supplying fluid under pressure, a jar supported by the counter or the like and detachable with respect thereto, means in the jar for measuring a charge of liquid of predetermined volume, a discharge nozzle carried by the jar, a passage in the jar connecting the measuring means with the discharge nozzle, a second passage in the jar associated with the measuring means, valve means carried by the jar for controlling the second passage, and means for detachably connecting the second passage to the pipe.

1,461,961. PAPER FOLDING BOX. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to Interstate Folding Box Company, Middletown, Ohio. Filed Aug. 10, 1922. Serial No. 580,839. 2 Claims. (Cl. 229—38.)



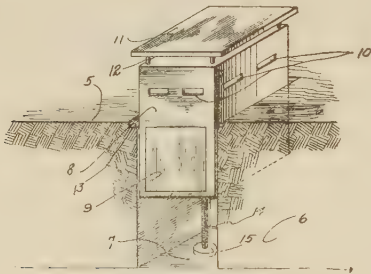
1. A paper folding box, consisting of a one-piece forming blank comprising parts arranged end to end one with another in a strip, the opposite ends of the strip being adapted to be joined one to the other to form the sides and ends of the box, the top and bottom of the box being open, a part attached to one of said side parts, extended laterally at right angles thereof, and having opposite longitudinally extended flaps and a laterally extended flap adapted to be folded and tucked in one of said openings from the bottom of the box and to reinforce the ends and one side thereof, and a part attached to the other of said side parts, extended laterally at right angles thereof, oppositely of said bottom part, and having a laterally extended flap adapted to be folded and tucked in the other of said openings to form the top of the box.

1,461,962. EGG BEATER. ALEXANDER BEVAN, Providence, R. I. Filed Feb. 24, 1920. Serial No. 360,683. 3 Claims. (Cl. 259—132.)



1. An egg beater comprising a supporting frame forming a handle at its upper end and a rest at its lower end, upper and lower bearing-bars detachably secured to said frame, a driving gear, a driving shaft mounted in said bearing-bars, a pinion on said shaft engaging said driving gear, an inner beater frame, a coupling connecting said beater frame to said shaft, a bearing member rotatably mounted on said shaft between said coupling and said lower bearing-bar and retained from longitudinal movement thereby, a pinion on said rotatable bearing member engaging said driving gear, and an outer beater frame supported on said rotatable bearing member whereby said beater frames are rotated in opposite directions.

1,461,963. TRENCH DEFENSE. JOSEPH BIENECK, San Antonio, Tex. Filed Jan. 24, 1923. Serial No. 614,525. 2 Claims. (Cl. 89—36.)

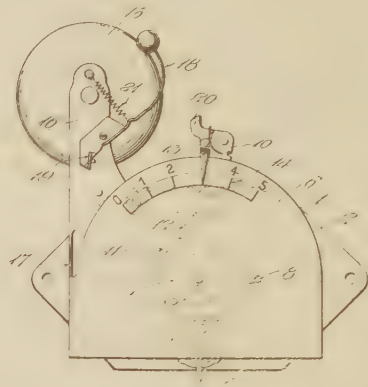


1. In a military trench having lateral recesses, armored structures disposed in the recesses at spaced intervals, said structure being adapted to protect its inmates, loopholes in said structure, means for ingress and egress thereto, means for raising and lowering said structure, and a supplementary flat roof thereover adapted to be disposed level with the soil.

1,461,964. TIMING DEVICE FOR CREAM TESTERS. SILAS ZANE BLAND, Neoga, Ill. Filed Oct. 5, 1922. Serial No. 592,546. 2 Claims. (Cl. 161—15.)

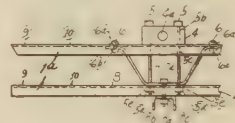
1. In a structure of the character described, a frame including spaced plates and a train of gearing, including a ratchet wheel, a signal including a striker movably mounted, a rotatably mounted sleeve extending axially of said ratchet wheel, a spring coiled about said sleeve and having one end connected therewith and its other end connected with a portion of said frame, a dial, an

arm carried by said sleeve and extending in operative relation to said dial and movable into and out of position for operative engagement with said striker, and a pawl carried by said arm and engaging said ratchet wheel, the



pawl moving freely over the ratchet wheel when the arm is swung to a set position and the pawl engages the ratchet wheel to permit control of the swinging of said arm by said gearing when the arm is moved toward operative engagement with said striker by said spring.

1,461,965. TRACTOR STEERING MECHANISM. JOSEPH G. BOLTE, Davenport, Iowa. Original application filed June 26, 1919, Serial No. 306,777. Divided and this application filed Dec. 17, 1921. Serial No. 523,250. 3 Claims. (Cl. 280—93.)



1. In a tractor steering mechanism a trussed frame supporting an arched collar capable of pivotally supporting an engine thereon and having spaced in either of its ends perpendicular boxing means, one of which boxings is formed into a stub axle having radial gears the other of said boxings is formed into a flanged plate having radial gears and lever means suitable for permitting them to be operated connectively with a steering mechanism by means of steering rods and pull rods all for the purposes specified.

1,461,966. MACHINE FOR MAKING PAPER FOLDING BOXES AND THE LIKE. CHARLES BUTTERFIELD, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Mar. 23, 1922. Serial No. 546,044. 24 Claims. (Cl. 93—49.)



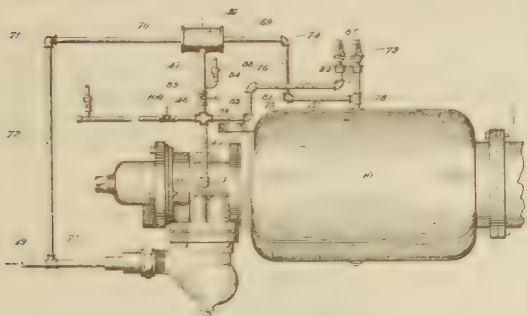
1. A machine of the character described, including in combination, a paper blank feeding mechanism, and a series of folding mechanisms arranged in units to effect successive folding operations on the blanks as the same are delivered from the blank feeding mechanism, and including means to move the blanks from one unit to another of said mechanism, one of said units comprising coacting rollers timed to receive the blanks singly from said feeding mechanism, and having a coacting projection and depression thereon respectively to effect the initial fold on an edge of each blank.

1,461,967. PROCESS FOR MAKING PAPER FOLDING BOXES OR THE LIKE. CHARLES BUTTERFIELD, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Mar. 23, 1922. Serial No. 546,045. 9 Claims. (Cl. 93—49.)



1. The herein described process of making paper folding boxes, consisting in preparing blanks of uniform size, in feeding the blanks progressively to a box making apparatus, in causing the blanks to be moved without pause through said apparatus, in effecting successively folding of the front and rear edges of each blank, and subsequently thereto in effecting simultaneously folding of the opposite side edges of each blank, as the same are advanced through said apparatus, in causing adhesive junctures to be made between folded portions of each blank, and in causing the blanks to be delivered singly from said apparatus in knocked-down form.

1,461,968. AIR BRAKE FOR TRAINS. EDWARD M. CAVANAGH and ROBERT E. MCFARLANE, Ottawa, Ontario, Canada. Filed Feb. 7, 1922. Serial No. 534,807. Claim. (Cl. 303—77.)

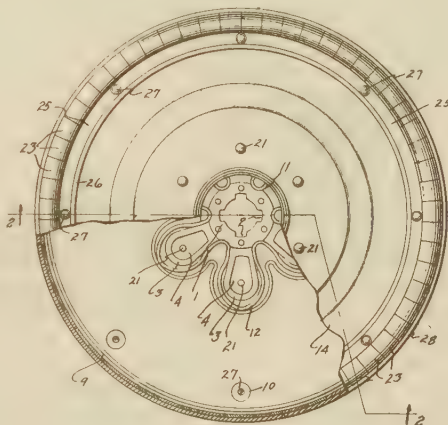


In combination with a railway air brake system, pressure operated retainers, pipe connections between the triple valve and controlling valve, pipe connections between the auxiliary cylinder and said controlling valve, pipe connection between said controlling valve and the regular train pipe line, said controlling valve consisting of a head, cylinders formed in each end of said head, pistons reciprocally positioned in said cylinders, a connecting piston rod between said pistons, an air chamber between said cylinders, an intake opening from the first said pipe connection, an exhaust opening from said air chamber, a valve member carried by said piston rod to control said intake opening, said valve member consisting of a tapered block adapted to normally seat upon the beveled end of the pipe and to close the first said pipe connection and to be controlled by relative pressure of the air in the other said pipe connections on said pistons.

1,461,969. SHOCK-ABSORBING DISK WHEEL. GABRIEL A. CHEREMISNOFF, Highland Park, Mich. Filed Feb. 23, 1923. Serial No. 620,768. 5 Claims. (Cl. 152—45.)

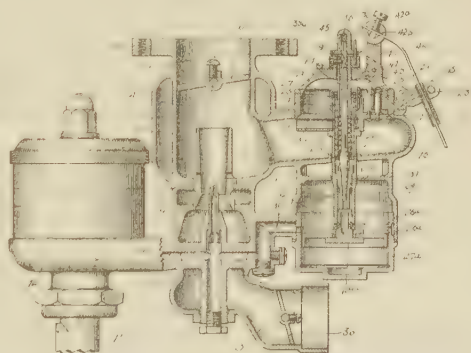
3. A shock absorbing disk wheel comprising a driving hub having a series of lugs formed integrally therewith and extending radially therefrom, a steel spring extending about and between the lugs of the hub, a driven disk provided with a central aperture for the hub and a series

of notches opening therinto for receiving the lugs of the hub and the steel spring, the said disk being provided with a peripheral flange and with a flange about the said notches adapted to be engaged by the spring, a pair of outer disks engaging the opposite sides of the driven disk



between the flanges, means for varying the tension between the outer and driven disks and a flexible tire portion adapted to engage the peripheral flange of the driven disk on the lower side when a weight is placed on the wheel.

1,461,970. CARBURETOR. DON COLE and CHARLES J. GUSTAFSON, Chicago, Ill., assignors to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed June 19, 1914, Serial No. 845,999. Renewed Oct. 16, 1922. Serial No. 594,901. 2 Claims. (Cl. 261—48.)

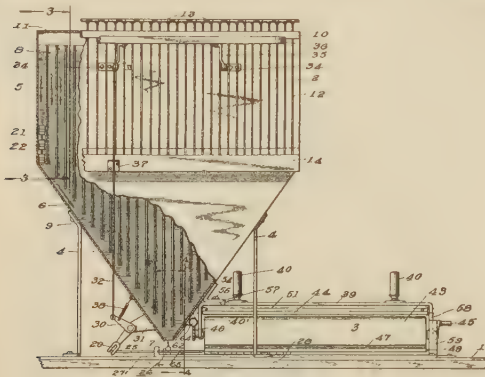


1. In a carburetor, an automatic air valve, a fuel nozzle moving therewith, a valve for said fuel nozzle, means for adjusting the normal position of said valve, and temporary adjusting means for increasing the tension on said air valve and for raising said fuel valve later in the adjusting movement.

1,461,971. HAND-STAMP-ASSEMBLING MACHINE. GEORGE H. COLE, Wenona, Ill. Filed Oct. 4, 1920. Serial No. 414,490. 6 Claims. (Cl. 276—20.)

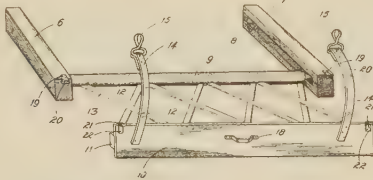
1. In a machine of the character described, in combination, a type magazine divided into a plurality of vertically arranged type containing compartments, a key-board, a plurality of keys associated with said board, one for each compartment, tripping means operable in each compart-

ment to control the release of the type from said compartments, operating connections between said tripping



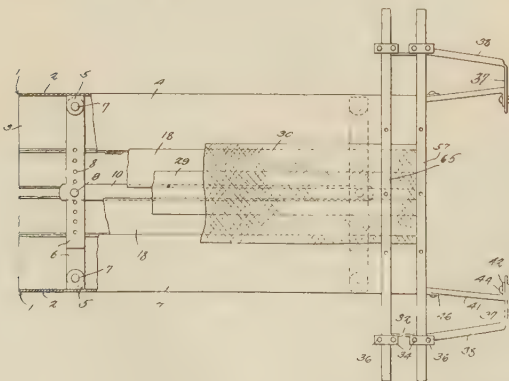
means and said keys, a spacer bar, and means actuated by said spacer bar for moving the type discharged from the magazine to assembled position

1,461,972. INVISIBLE BAGGAGE GUARD FOR MOTOR CARS. THOMAS DAINES, Penticton, British Columbia, Canada. Filed Aug. 1, 1921. Serial No. 489,102. 1 Claim. (Cl. 224-29.)



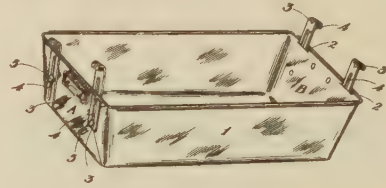
The combination with the running board of an automobile, of longitudinally slotted members on the underside of said running board, a rod extended in the direction of the length of the running board and guided in said slots, a front board parallel with the running board, a secondary member on the inner face thereof, crossed strap members connected to said rod and secondary member, straps secured to said front board and having means at their ends for detachable connection with means on the automobile body, and interengaging means on the front board and slotted members for keeping the parts in closed position.

1,461,973. CULVERT MOLD. THOMAS DE LA MARE, Tooele, Utah. Filed Mar. 11, 1921. Serial No. 451,426. 9 Claims. (Cl. 25-131.5.)



1. A culvert mold comprising oppositely disposed trough-shaped main members each including a bottom, a side wall and a top; means for bridging the space between the tops of the main members; and braces pivoted to the tops of the main members and engaged detachably with the bottoms of the main members.

1,461,974. BREAD PAN. CLARA DRIVER, Thessalon, Ontario, Canada. Filed Feb. 7, 1922. Serial No. 534,828. 2 Claims. (Cl. 53-6.)



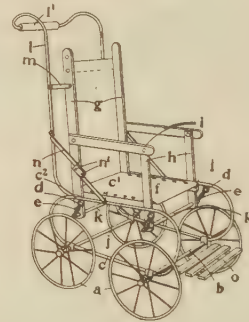
1. A bread pan having imperforate ends, and strips slidable through said ends with their lower portions on the outside of the pan and their upper portions disposed inside the pan to extend above the upper edge thereof to prevent the bread from rising over the ends of the pan.

1,461,975. SLIDE RULE. WILFRED B. EATON and THOMAS D. LAMAY, Seattle, Wash. Filed Apr. 22, 1921. Serial No. 463,528. 2 Claims. (Cl. 235-70.)



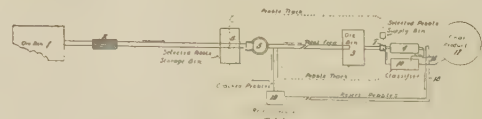
1. In combination, a base provided with a reduced portion at one end and a groove extending longitudinally thereof and terminating at the reduced portion, the bottom of said groove being co-planar with the surface of said reduced portion, and a slide mounted in said groove and movable over said reduced portion.

1,461,976. CHILD'S MAILCAR AND LIKE VEHICLE. JAMES GEORGE EVANS, Tunbridge Wells, England. Filed Feb. 21, 1921. Serial No. 446,855. 5 Claims. (Cl. 280-47.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a children's mail cart, in combination, two separate lateral and vertically disposed tubular metal frame members, said frame members each forming a closed figure, two transversely disposed axles respectively connected near the opposite ends to the lower parts of the said frame members, a seat, and means for carrying the seat from and between the upper parts of the said frame members, substantially as described.

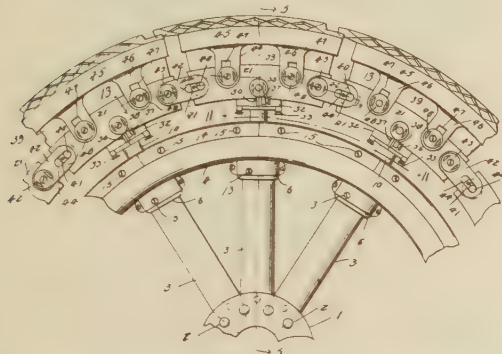
1,461,977. ORE REDUCTION. SYDNEY EDWARD THACKER EWING and JOSEPH LEONARD WILLEY, Johannesburg, Transvaal, South Africa. Filed Aug. 30, 1922. Serial No. 585,291. 8 Claims. (Cl. 83-9.)



1. The improvement in the art of tube-milling ore which consists in supplying to the tube mill, as the regu-

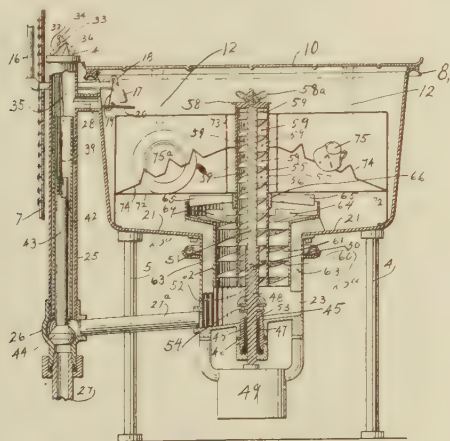
lar mill feed, ore in large and angular fragments, withdrawing from the tube mill fragments of said feed material which have become rounded, breaking them, and returning the breaker product to the tube mill.

1,461,978. VEHICLE WHEEL. JOHN G. FEIL, Blackstone, Va. Filed Aug. 24, 1922. Serial No. 584,066. 12 Claims. (Cl. 152-30.)



1. In a wheel of the character specified, a tubular spoke member, a companion spoke member telescoping therewith, a sleeve threaded on the telescoping spoke member and disposed within the tubular spoke member, a band clamped about the tubular spoke member and having a projection passing through an opening in a side thereof and engaging said sleeve to prevent turning thereof, means insertable through registering openings formed in said band and tubular spoke member to engage said sleeve and the spoke member upon which it is mounted to prevent turning thereof, said means having longitudinal play in the sleeve, and an expansible helical spring within the tubular spoke member and engaging the said sleeve and adapted to have its effective tension regulated thereby.

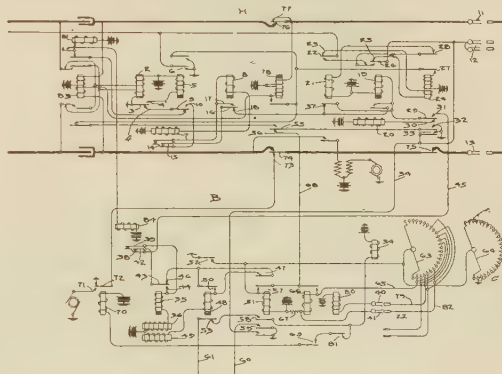
1,461,979. CONVERTIBLE SINK AND WASHING DEVICE. CHARLES B. FOSTER, Buffalo, N. Y. Filed Dec. 8, 1917. Serial No. 206,291. 3 Claims. (Cl. 141-9.)



1. In a washing machine, a washing receptacle, a well depending therefrom and opening into said receptacle, water raising means pivotally mounted within said well to turn about a vertical axis, a motor, said water raising means comprising a vertical shaft connected with said motor, a helical blade fixed around said shaft to be within said well, a plurality of fan blades fixed to said shaft above said helical blade, a tubular casing open at the top and bottom within said well and spaced from the

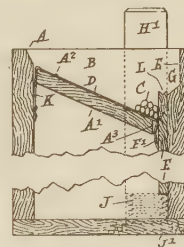
bottom thereof and positioned therein to be between the wall of said well and said blades, permitting said blades to revolve therein, whereby water passes down between said wall and said casing and up within said casing, and means for stopping vortex currents within said well.

1,461,980. AUTOMATIC TELEPHONE SYSTEM. MARTIN L. NELSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1919, Serial No. 307,561. Renewed Nov. 2, 1922. Serial No. 598,647. 45 Claims. (Cl. 179-17.)



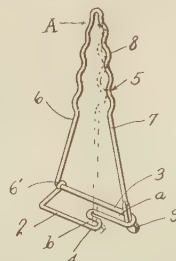
31. In a party line telephone system, an automatic connector switch for completing connections to called lines, and code ringing mechanism associated with said connector comprising two step by step switches having their banks permanently wired together.

1,461,981. MEANS OF SINGLE-ARTICLE DELIVERY FROM CONTAINERS. WILLIAM SYLVESTER NEWMAN, Alexandra, Victoria, Australia. Filed Nov. 1, 1921. Serial No. 512,113. 4 Claims. (Cl. 206-23.)



1. A device as described comprising a container having a chamber with a reciprocating inclined base, and a slide in the container adapted to receive articles from the inclined base and acting to shift the base in one direction.

1,461,982. CLOTHESPIN. LOUIS N. OSWALD, Orleans, Nebr. Filed Jan. 10, 1922. Serial No. 528,241. 3 Claims. (Cl. 24-139.)



1. A clothes pin constructed from a single continuous piece of wire having one end bent to form a horizontal

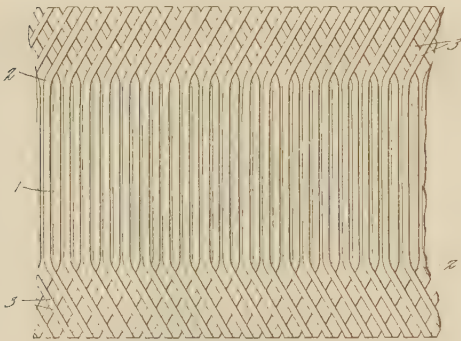
keeper frame with longer and shorter parallel loops and its remaining portion bent to form a V-shaped body portion, the lower end of one leg of which is free and adapted to engage either of the loops of said frame.

- 1,461,983. COVER REMOVER. FRED J. PARKER, Moose Jaw, Saskatchewan, Canada, assignor of two-fifths to Thomas Ferguson Acheson, Yorkton, Saskatchewan, Canada. Filed Mar. 16, 1922. Serial No. 544,340. 1 Claim. (Cl. 81—3.1.)



The improved cover remover described, comprising two semi-circular plates, and a spring forming a hinge pin hingedly connecting said plates with its terminals oppositely extended so as to engage said plates and thereby serving as tensioning means, said plates being formed with vertical walls having ridges to provide gripping means adjacent the abutting edges of said walls.

- 1,461,984. TIRE CONSTRUCTION. FRED BROWN PFEIFFER, Akron, Ohio. Filed Oct. 17, 1921. Serial No. 508,233. 3 Claims. (Cl. 152—13.)

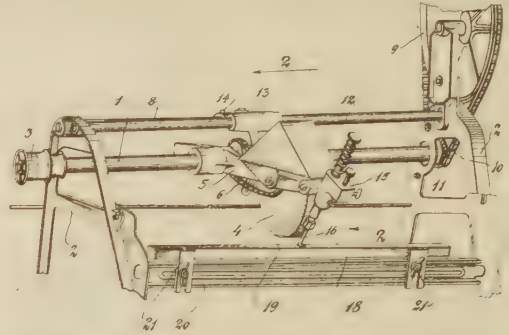


3. A tire casing embodying cords the body portions of which are extended in approximately parallel relation across the tread of the casing in planes in right angles to the axis of the casing, the ends of adjacent cords being crossed upon each other and being inclined, with respect to the body portions in opposite directions circumferentially of the casing, those ends which are inclined in one direction being parallel to each other, and those ends which are inclined in an opposite direction being parallel to each other.

- 1,461,985. GUIDE FOR GRINDING DEVICES. MICHAEL P. SCHMITT, North Chicago, Ill. Filed Nov. 3, 1921. Serial No. 512,449. 1 Claim. (Cl. 51—37.)

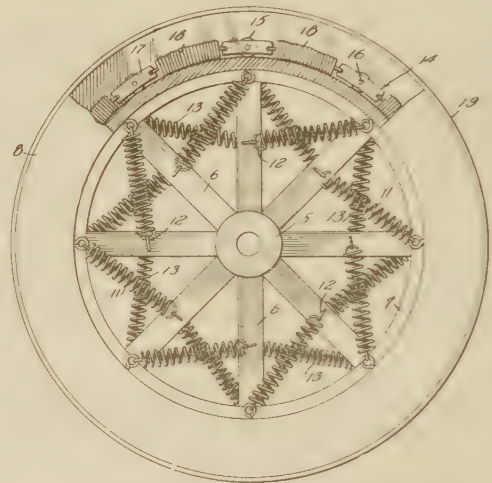
The combination with a grinding machine having a power driven grinding wheel, a clamp for holding a straight blade transverse to said grinding wheel, and means for moving said grinding wheel from one end of said blade to the other, of a rigid angle bar having an accurately fashioned flat surface thereon, a pair of clamping members for adjustably securing said bar to said machine adjacent and parallel to said blade, and an

adjustable finger associated with the support for said grinding wheel, said finger being adapted to rest on



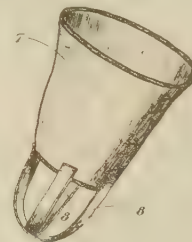
said flat surface to cause said grinding wheel to be limited in its engagement with said blade uniformly throughout the grinding operation.

- 1,461,986. RESILIENT TIRE. CHARLES SCHNEIDER, Hackett, Ark. Filed Dec. 23, 1922. Serial No. 608,661. 4 Claims. (Cl. 152—28.)



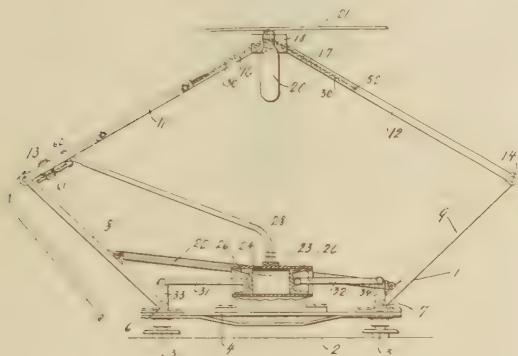
1. In a spring wheel, a hub, spokes radiating from the hub, a felloe connecting the spokes, a rim including spaced side members having inwardly extended flanges engaging the felloe, a resilient felloe supporting member positioned within the rim, said felloe supporting member comprising spaced spring members, and spring members connecting the rim and spokes.

- 1,461,987. STUMP SOCK. NORMAN H. SMITH, Ottawa, Ontario, Canada. Filed Dec. 28, 1921. Serial No. 525,507. 1 Claim. (Cl. 3—3.)



A stump sock consisting of a leg portion of seamless pliable material of tapered form, the lower end of which is open, and spaced strips crossed and attached to the lower end of the leg portion so that the stump sock may be comfortably pulled down after being positioned in the artificial limb.

1,461,988. PANTOGRAPH. RICHARD B. SPIKES, San Francisco, Calif., assignor to S. D. S. Experimental Laboratories Company, San Francisco, Calif., a Corporation of California. Filed Nov. 27, 1922. Serial No. 603,679. 9 Claims. (Cl. 191-67.)



1. A self-adjusting contact-maintaining device for an electric car having a wire suspended thereover, comprising a plurality of frames linked together to substantially form a parallelogram adapted to be secured to the top of the car so as to touch the wire, spring means and pressure means co-operating in affecting the height of the parallelogram in opposite senses, a valve control for the pressure means and means actuated by the tension of the wire controlling the valve so as to adjust the height of the parallelogram to the height of the wire.

1,461,989. POULTRY COOP. CHARLES E. STOCKHAM, Oskaloosa, Iowa. Filed July 26, 1922. Serial No. 577,560. 5 Claims. (Cl. 220-18.)



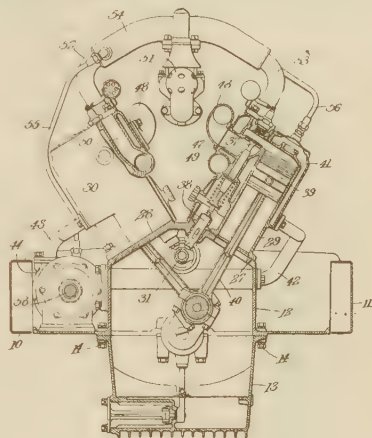
1. A poultry coop of the class described including a coop member having a top, a bottom and side walls, floor members hinged mounted in said coop, said floor members being so arranged that when they are in one position they collectively cover the bottom of the coop and when in another position each floor member extends from the bottom to the top for forming a coop having more than one deck.

1,461,990. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 22, 1915. Serial No. 62,796. 5 Claims. (Cl. 125-55.)

1. In a multi-cylinder hydrocarbon motor, in combination, a motor base, cylinder blocks in V arrangement thereon, and valves for the cylinders also in V arrangement but at a slightly greater acute angle to each other than the cylinders.

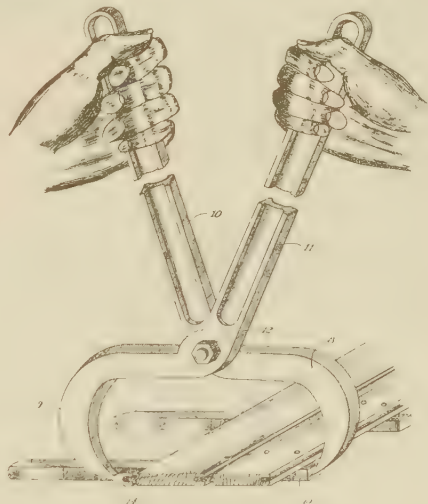
3. In a hydrocarbon motor, in combination, a supporting base, a pair of cylinder blocks disposed in V relation, each block having a plurality of cylinders with their valves on adjacent sides of the blocks and with

intake conduits formed in the adjacent side walls of the blocks and extending to all of the cylinders of each block, a carbureter arranged between the blocks, and a con-



duit of arched form communicating with said carbureter and the first mentioned conduits and detachably secured to said blocks.

1,461,991. SIDING TIGHTENER. FRED WALKER, Neepawa, Manitoba, Canada. Filed Aug. 24, 1921. Serial No. 494,776. 1 Claim. (Cl. 254-11.)

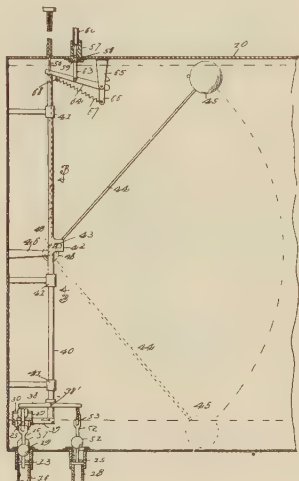


Tighteners consisting of gripping members, handles attached to said gripping members, said gripping members hinged together, one of said gripping members being provided with a bifurcated end portion so formed as to receive and embrace the tongue portion of the tongue and groove member without injuring the said tongue, one of said gripping members adapted to engage the face of a tongue and grooved board for tightening the same against the previously laid board and the other of said gripping members adapted to engage in any suitable support either above or below the board to be acted upon so that pressure can be exerted to tighten said boards together.

1,461,992. DISPENSING APPARATUS. HENRY L. WEBER, Louisville, Ky. Filed June 27, 1921. Serial No. 480,752. 6 Claims. (Cl. 221-67.)

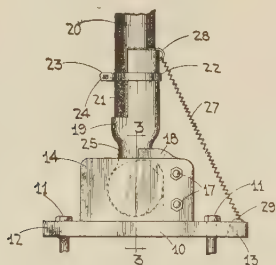
1. In a dispensing station for fluids lighter than water, a tank, a float therein heavier than the fluid to be dis-

pensed but buoyant on water, a member operated by the float, a dispensing valve adapted to be closed when the float is in one position, a water admission valve controlling water delivered to the tank, a water discharge valve



in communication with the tank, and means for operating the valve alternately for closing and opening the same, and means whereby the movement of the valve actuates said valve operating means.

1,461,993. WHIP HOLDER. HERBERT WILKINSON, Em press, Alberta, Canada. Filed May 16, 1922. Serial No. 561,483. 3 Claims. (Cl. 280—178.)

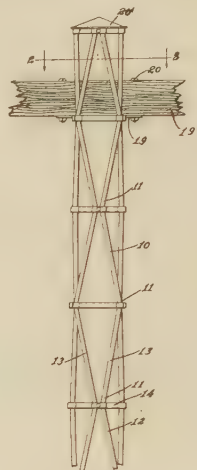


1. A whip holder comprising a whip carrying socket having a reduced extended end portion, a base plate, means carried by said base plate and said socket to mount the whip socket for swinging movement in one direction and limited movement at right angles thereto, means for clamping a whip butt within said socket, means for returning said socket to normal position and means cooperating with said reduced end portion to limit the return movement of said socket.

1,461,994. METAL POLE CONSTRUCTION. ARTHUR W. WRIGHT and BENJAMIN F. IBACH, Pottsville, Pa. Filed Apr. 18, 1922. Serial No. 554,875. 9 Claims. (Cl. 189—24.)

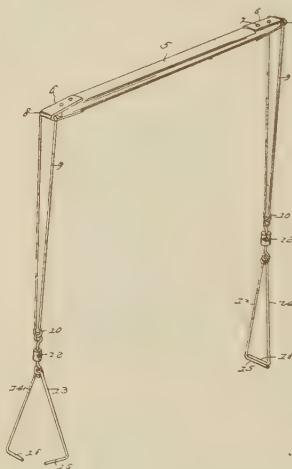
1. A metal post of the class described comprising a plurality of uprights each having a series of reverse bends to form a zig-zag upright, the several uprights being ar-

ranged with the adjacent uprights having their portions between the succeeding bends alternately converging and



diverging but not crossing, and a plurality of horizontal braces spaced along said uprights, the horizontal braces being connected to the uprights.

1,461,995. BATTERY CARRIER. WALTER W. YOUNG, Parker, S. Dak. Filed June 2, 1922. Serial No. 565,425. 3 Claims. (Cl. 224—45.)

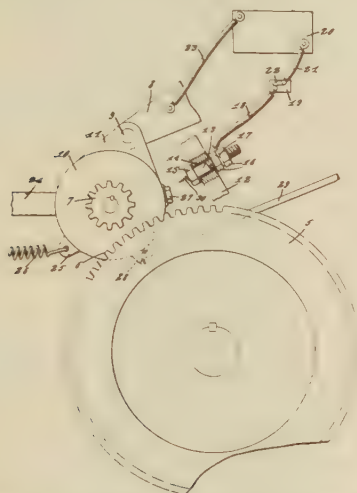


1. In a battery carrier, a handle, a clip on each end thereof, a bail for each clip, each of said bails comprising a strip of material having a depending looped portion, a sleeve in each clip into which the upper ends of the material are inserted, the said sleeve being rotatable in the clips of the handle, and battery engaging devices supported by the bails.

1,461,996. ELECTRIC STARTER. CHRISTOPHER CARTER ANDERSEN, Salt Lake City, Utah. Filed May 3, 1922. Serial No. 558,259. 1 Claim. (Cl. 290—38.)

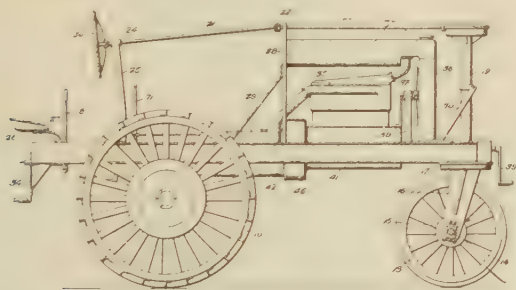
In combination with the toothed fly wheel of an internal combustion engine, a starting device including a motor, having a shaft, a pinion supported on the shaft to move therewith, means for moving the motor and its shaft to cause the pinion to mesh with the teeth of the fly wheel, a contact member carried by the motor, a stationary contact member lying in the path of travel of the motor when the motor is being moved to its active

position, a coiled spring secured to the stationary contact member and extending therefrom to contact with the contact member carried by the motor, and complete



the circuit to the motor to cause the operation of the motor, and means for automatically returning the motor to its inactive position.

1,461,997. TRACTOR. WILLIAM A. ARMSTRONG, Waco, Tex., assignor to Armstrong Farm Tractor Company, Dallas, Tex. Filed Jan. 22, 1921. Serial No. 439,215. 2 Claims. (Cl. 180—54.)

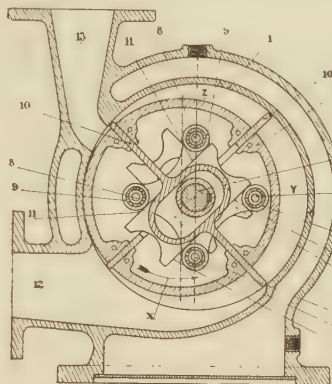


1. In a tractor, a motor, a housing comprising an integral body portion arranged below and projecting rearwardly from the motor and formed with integral transverse and longitudinal partitions providing a series of opposed transverse compartments and a longitudinal compartment at each side of the rear transverse compartment, a driven shaft operated from said motor and journaled in the plurality of transverse partitions and extending through a series of transverse compartments, a clutching device within one of said transverse compartments and cooperating with said shaft for coupling it with the motor, transmission and reverse drive mechanisms mounted in said transverse compartments forwardly of the rear transverse compartment, a differential mechanism mounted in the rear transverse compartment, a brake device arranged in each longitudinal compartment, axle sections extending through said differential mechanism, and removable cover elements for said body portion.

1,461,998. PUMP, COMPRESSOR, AND MOTOR. JOSEPH BAUDOT, Paris, France. Filed Dec. 28, 1921. Serial No. 525,333. 4 Claims. (Cl. 103—138.)

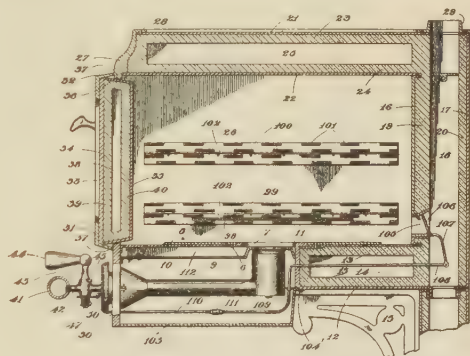
1. A rotary fluid pump, compressor, or motor comprising a jacketed casing with inlet and outlet ports, a shaft centrally mounted in said casing, a drum eccentrically

mounted in the casing, and rotatable therein, said drum being provided with peripheral guide slots, a bearing member having an opening for engagement over the shaft, oppositely disposed blades mounted on said bearing mem-



ber, said blades being arranged radially in the drum, said bearing member having guide surfaces thereon, and a driving member keyed to the shaft for producing a radial movement of the blades and for turning the drum through the medium of the blades.

1,461,999. OVEN. JOHN H. BEEBY, Ottawa, Ontario, Canada. Filed Dec. 28, 1921. Serial No. 525,533. 6 Claims. (Cl. 126—39.)



6. A heat retaining oven constituting an insulated base having a burner chamber, an insulated top, insulated walls, an insulated door, means for reinforcing the said base, a gas burner for the said oven and an air chamber over the burner chamber.

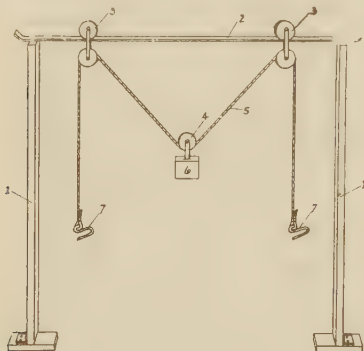
1,462,000. SPLINT. ALEXANDER M. BENNETT, Bellaire, Mich., assignor to Frank Bennett, Pontiac, Mich. Filed Nov. 8, 1922. Serial No. 599,697. 1 Claim. (Cl. 128—79.)



A splint of the character described including a transversely rounded shank having a base or enlargement at one end, the other end being rounded transversely, there being a passage in the base end portion of the shank and grooves in the sides of the shank near the other end thereof, said shank having a flat face throughout its length formed with a longitudinal groove merging into the passage and spaced openings extending to the side

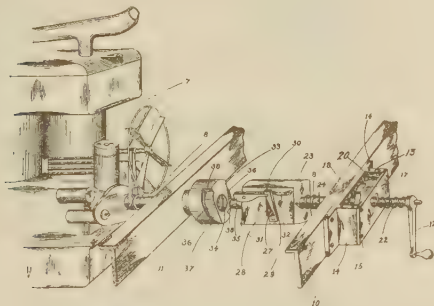
grooves, and an attaching cord threaded through the openings, grooves and passage and providing an intermediate attaching loop extending from the flat face of the shank and free ends extending from the base.

1,462,001. SICKLE HANGER. CARL BENSON, Youman, Colo. Filed Feb. 14, 1922. Serial No. 536,571. 1 Claim. (Cl. 51—223.)



In a sickle-hanger, the combination of an overhead rail, separate double pulleys free on the rail, a sickle holding cable on the pulleys, a counter-weight suspended on the cable, between the double pulleys, the said weight to counter-balance the weight of the sickle; the said double-pulleys being free to move on a railing, substantially as shown and described.

1,462,002. SAFETY CRANK. IVOR CHARLES BICE Claudeboye, Ontario, Canada. Filed June 23, 1921. Serial No. 479,914. 1 Claim. (Cl. 123—185.)



A safety cranking device for automobile engines, comprising, in combination, a hand crank fixedly attached to a stub starting shaft; a ratchet wheel fixed thereon; dog means preventing backward rotation of said stub shaft; a slotted box-like member oscillatable on said stub shaft; a pin fixed in said stub shaft projecting through the slots of said box-like member; a pair of inter-engaging pawl members pivoted on said box-like member, spring-held in operative relation thereto; engaging means at the forward end of said box-like member to engage similar means on the end of the crank shaft of the engine, spring means for withdrawing said box-like member from said engine crank shaft, said pin cooperating with said pair of pawl members to release said box-like member from engagement with said engine crank shaft on a retrograde movement of the engine crank shaft.

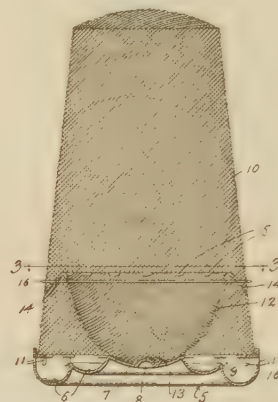
1,462,003. IMPERVIOUS MATERIAL AND PROCESS FOR ITS PRODUCTION. WARREN F. BLECKER, Boulder, Colo. Filed Mar. 3, 1922. Serial No. 540,899. 12 Claims. (Cl. 91—70.)

6. The process of rendering artificial graphite impervious, consisting in coating its surface with a carbonaceous substance, and removing the volatile constituents thereof by evaporation.

7. The process of rendering artificial graphite impervious, consisting in coating its surface with pitch, and subjecting the coated graphite to the influence of heat.

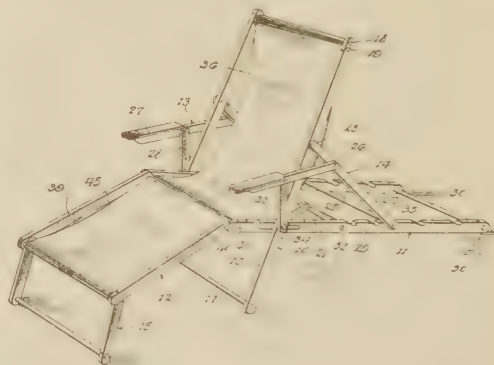
8. A new article of manufacture, consisting of artificial graphite, the voids of which are closed at the surface, by solid hydrocarbonaceous matter.

1,462,004. FLYTRAP. FRANK B. CAREY, Fresno, Calif. Filed Aug. 21, 1922. Serial No. 583,244. 4 Claims. (Cl. 43—118.)



2. A trap comprising a pan having stepped bait retaining depressions and a central concave seat, a reticulated cage supported by the pan and a bowl-shaped bottom in the cage and resting in the seat, said bottom being provided with entrance openings adjacent its upper edge, the side walls of the pan being also provided with openings.

1,462,005. ADJUSTABLE RECLINING CHAIR. FRANK P. HALL, Mont Alto, Pa. Filed Apr. 29, 1922. Serial No. 557,399. 3 Claims. (Cl. 155—117.)

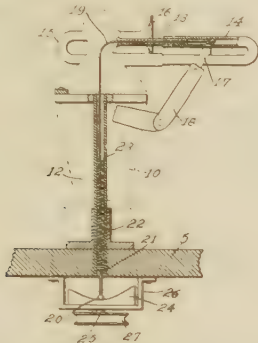


1. A chair of the class described comprising a frame forming front legs, a second frame forming rear legs, means for clamping said frames together in adjustable longitudinal and angular positions in relation to each other, said means including bolts through said frames, cross-connected arms on said bolts, and a hinged support on said front leg frame adapted to selectively engage with notches provided in said rear leg frame, a canvas stretched between said frames, one end of said canvas being rigidly-secured to said cross-connected arms.

1,462,006. MECHANICAL ORCHESTRA. GEORGE WILLIAM HALL, Topeka, Kans. Filed June 18, 1921. Serial No. 478,734. 1 Claim. (Cl. 46—40.)

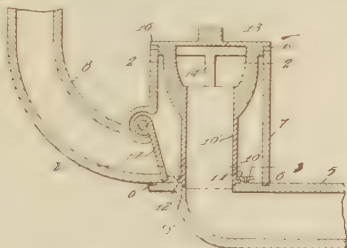
The combination with a platform and a figure thereon simulating an orchestra performer, of a tube extending from the mouth portion of the figure, a U-shaped tube slidable thereon, a stationary tube slidably engaged by the U-shaped tube, a jointed member upon the figure

simulating an arm and connected at one end to the U-shaped tube, a flexible reciprocating element connected to the U-shaped tube and slidable within the tube extending from the mouth portion, a guide tube extending down-



wardly within the figure and through which the flexible reciprocating element extends, a cam mounted for rotation, means on the flexible element for engaging the cam, and a spring for holding said means pressed against the cam, and means for rotating the cam to reciprocate the flexible element and U-shaped tubular member

1,462,007. TRAP. LESLIE FOREST HARDESTY, Terra Alta, W. Va. Filed Mar. 24, 1923. Serial No. 627,494. 3 Claims. (Cl. 182-12.)



1. In a trap, a pipe having an opening formed with a tapered wall, lugs forming a part of the pipe and disposed adjacent to the tapered wall, a removable housing supported on the pipe, means for securing the housing to the pipe, a removable pipe within the housing, and a cover formed integral with the pipe to move therewith.

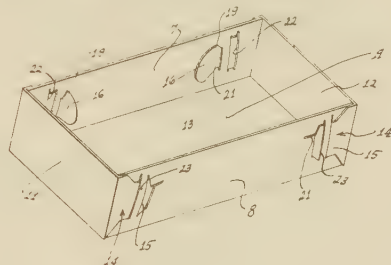
1,462,008. FRUIT PICKER. THEODORE F. HENNINGER, Memphis, Tenn. Filed Apr. 1, 1922. Serial No. 548,731. 2 Claims. (Cl. 56-334.)



1. In a fruit picker, the combination with a supporting pole, coating jaws carried by the outer end portion of

the pole, a tube secured to one of the jaws and leading therefrom, means for securing the tube to the pole, a spring interposed between and connected to the pole and tube, the spring serving to absorb the shock of the fruit dropping within the tube and to retard the progress of the fruit through the tube.

1,462,009. CORNER STAY FOR BOXES. EDWARD G. HIGGINSON, Providence, R. I. Filed July 12, 1921. Serial No. 484,118. 3 Claims. (Cl. 229-35.)



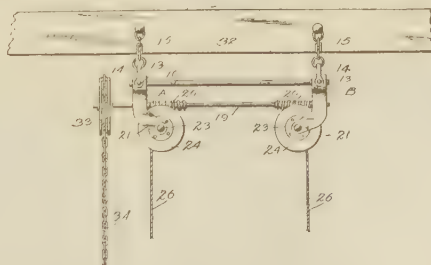
1. In a box, a pair of walls, an outwardly extending locking wing formed on one of the walls, the other wall having an angular locking slot formed therein and a pair of parallel arranged slots disposed intermediate the transverse edge of the wall and the locking slot, these slots being arranged to receive the locking wing.

1,462,010. SAFETY APPLIANCE FOR RAILWAY SWITCHES. BENTLEY R. HOOKS, Amarillo, Tex. Filed Nov. 14, 1922. Serial No. 600,868. 5 Claims. (Cl. 246-435.)



1. A device of the character described comprising a plate adapted to be clamped to the web of a rail in front of the switch point of a switch, and having a cam member extending longitudinally of the plate with the cam member gradually increasing in thickness from its opposite ends toward its middle portion to form a lateral projection for causing a lateral shifting of the wheels of a train away from the switch point of a switch which is adapted to lie in contiguous relation with the rail.

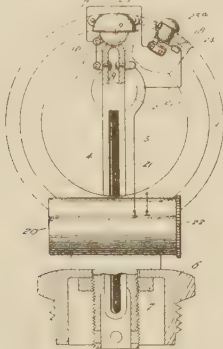
1,462,011. COMBINATION WOVEN-WIRE STRETCHER AND HOIST. IRA HUTCHERSON, Keokuk, Iowa. Filed Mar. 20, 1922. Serial No. 545,111. 1 Claim. (Cl. 254-169.)



In a device of the class described, a pair of brackets, each having a pair of openings, a supporting rod received in one of the openings of each bracket, pins extended through the brackets and through the rod for fixing the brackets thereon and supporting them in spaced relation, said brackets having a pair of spaced ears thereon, a sec-

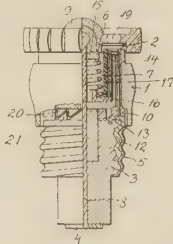
ond rod journalled in the other openings in said brackets, a crank on said second rod, a combined worm wheel and cable drum journalled between said ears on each of said brackets, worms spaced from each other fixed to said second rod and arranged to mesh with the combined worm wheels and cable drums, said combined worm wheels and cable drums including a pair of similar members having tubular cable receiving portions and flanges provided with teeth on their adjacent faces for forming the worm wheels.

1,462,012. RADIATOR THERMOSTAT. ABRAHAM ISAAC KAPLON, Brunswick, Md. Filed July 2, 1920. Serial No. 393,680. 2 Claims. (Cl. 177—311.)



1. A radiator thermostat comprising a body, a thermometer tube containing mercury mounted on the body, a battery barrel mounted outside of the body adjacent to the base of said tube, an incandescent lamp mounted on the body at the head of the tube, a hood carried by the body and disposed over the lamp to reflect light upon the tube and reveal the position of the mercury, an electrical circuit embracing contacts in the tube, a battery in said barrel and the aforesaid lamp, said mercury being adapted to rise to bridge the contacts and close said circuit; and push button contacts situated on top of the body enabling closing the circuit independently of said mercury and adapting the thermostat to the use of a portable flashlight.

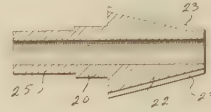
1,462,013. ELECTRIC SAFETY FUSE. SVEND JOHANNES KNUDSEN, Copenhagen, Denmark. Filed Apr. 30, 1921. Serial No. 465,665. 4 Claims. (Cl. 200—125.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A multiple-fuse plug, comprising a top member provided with a central cavity and with an annular series of vertical fuse holes encircling the same and opening at their opposite ends through the corresponding end faces of said member; a series of contact studs on the inner end of said member at the inner ends of said holes; a disc in said cavity; a plurality of bent fuse-wires having their inner branches disposed in said cavity and connected at their free ends to said disc and their outer branches disposed in said holes and connected at their free ends to said studs, the central portions of said wires extending laterally across the outer end face of said member; a bottom member; a spindle passing axially through the top and bottom members to connect them together and to which said top and bottom members are rotatably and rigidly related, respectively; a contact sleeve on the bot-

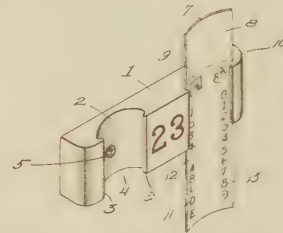
tom member having an extension to interchangeably engage said studs; and coating sets of teeth on the confronting inner ends of said members having inclined faces for sliding engagement with each other during the rotation of the top member relative to the bottom member, said teeth being so disposed with relation to the contact studs that one stud will be held in correct contact position whenever the sets of teeth come into full engagement.

1,462,014. APPARATUS FOR SPOOLING WIRE. JOSEPH M. LEIDECKER and JULIUS G. BURCH, Bartlesville, Okla. Filed Sept. 18, 1922. Serial No. 588,872. 6 Claims. (Cl. 242—68.)



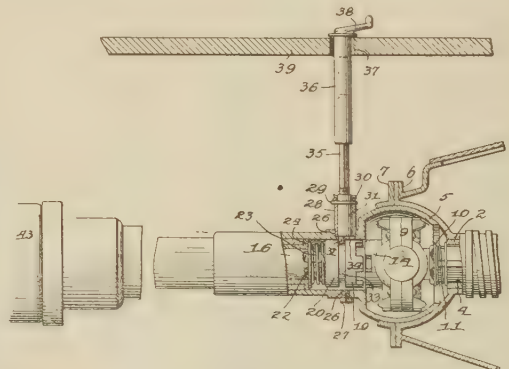
1. In an apparatus for winding wire, a supporting shaft, a spool through which the shaft passes, sleeves threaded upon the opposite ends of the shaft and having means extending into and clamping against the heads of the spool, thereby mounting the spool upon the shaft, said sleeves having cylindrical members adapted for mounting in suitable bearings, whereby the spool may be rotatably supported.

1,462,015. CAR-CHECK HOLDER. ROY CLIFFORD LEITCH, Kansas City, Mo. Filed Aug. 26, 1920. Serial No. 406,057. 4 Claims. (Cl. 40—16.)



1. In a device of the character described, the combination of a recessed holder, and a resilient check within said recess and bowed by engagement at its side edges with and exerting pressure against the opposite walls of said recess.

1,462,016. UNIVERSAL JOINT AND POWER TRANSMISSION. EDDIE ALLEN LEWIS, Belleville, Kans. Filed Mar. 17, 1921. Serial No. 453,048. 14 Claims. (Cl. 192—67.)



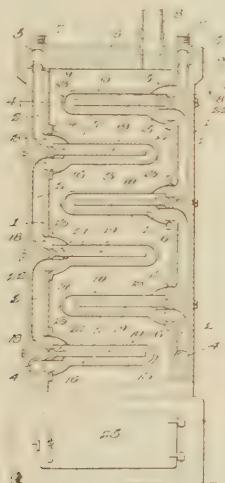
3. In combination with an engine shaft, a driving shaft and a universal joint between said shafts, said universal joint including a female element having a clutch face, and adapted to receive said driving shaft, a shiftable clutch element on said driving shaft, a clutch shifter, means at a distant place for operating said shifter and means to hold said shifter with the clutch released.

1,462,017. DIVIDING-BOARD REGULATOR. WILLIAM A. MARTIN, Wellington, Colo. Filed Dec. 2, 1921. Serial No. 519,482. 3 Claims. (Cl. 56—314.)



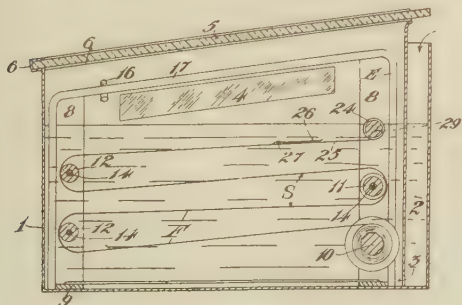
1. The combination with the division board and outer shoe of a mowing machine, of an adjusting device comprising a plate secured upon the division board and projecting beyond the forward end thereof, and an adjustable element carried by the projecting end of the plate and engaging beneath a projection on the shoe for effecting desired adjustment.

1,462,018. HEATING FURNACE. HENRY W. MASON, New Bedford, Mass. Filed Mar. 26, 1923. Serial No. 627,654. 10 Claims. (Cl. 126—67.)



5. In a heating furnace, a body having opposed series of hollow lateral fluid-receiving sections, the sections of the two series being relatively staggered, said sections each having upper and lower chambers communicating at their inner ends and the body having series of spaced vertical conduits with the adjacent ends of adjacent conduits communicating with the respective chambers of the sections.

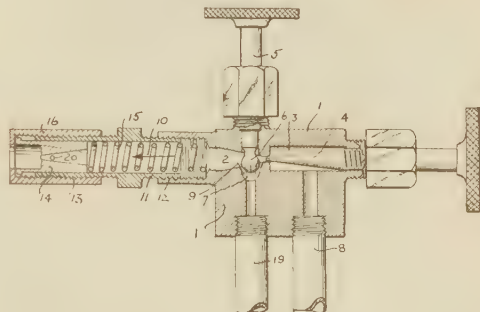
1,462,019. FILM-DEVELOPING APPARATUS. HENRY C. FRANK MORANT, Hawthorn, Victoria, Australia. Filed July 12, 1921. Serial No. 484,182. 2 Claims. (Cl. 95—90.5.)



1. In film developing apparatus, a container, and removable frame in the container provided at each end

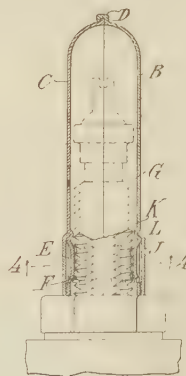
with a plurality of rollers around which the film is drawn in circuitous folds, said frame comprising two sides and a base, one side being movable laterally.

1,462,020. SPRAY NOZZLE. JOHN D. MURRAY, San Francisco, Calif. Filed Oct. 10, 1921. Serial No. 506,716. 3 Claims. (Cl. 299—140.)



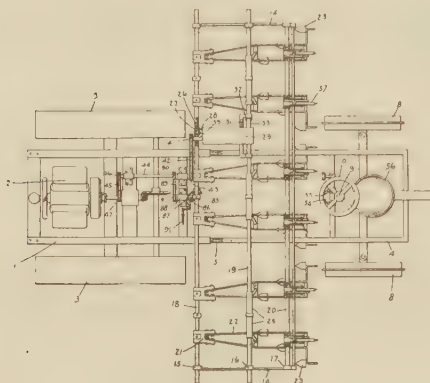
1. A spray nozzle comprising an inlet port for gas and a control valve therein, an outwardly flaring conical throat forming a continuation of said port, a liquid inlet opening into said throat in a direction at right angles to the axis thereof, and a globular valve controlling said liquid inlet and mounted for movement transversely through said throat, whereby the liquid and gas are ejected from said throat when pressure is applied behind said liquid and said gas, a discharge nozzle tip for said throat comprising an orifice and controlling means for said orifice adapted to vary the discharge from said orifice.

1,462,021. DUST CAP OR THE LIKE. EUGENE V. MYERS, East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed July 25, 1919, Serial No. 313,146. Renewed Sept. 21, 1922. Serial No. 589,683. 7 Claims. (Cl. 152—12.)



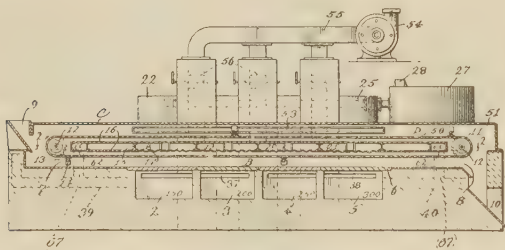
1. A dust cap for tire valves or the like comprising a cap portion having a series of spring arms, an integral lower ring portion, and a cover surrounding said spring arms.

1,462,022. CULTIVATOR ATTACHMENT FOR TRACTORS. SAMUEL I. NEHER, Keystone, Ind. Filed July 29, 1921. Serial No. 488,426. 8 Claims. (Cl. 97-50.)



1. The combination with a tractor having an extension frame supported from the ground of a second frame carried by the extension frame, shafts mounted on the second frame, cultivating attachments connected to said shafts, means for employing power from the driving means of the tractor for moving said shafts for changing the positions of the cultivating members, and additional means operated by the driving means of the tractor for elevating the cultivator attachments.

1,462,023. OIL-SHALE RETORT. WILLIAM M. STRONG, San Francisco, Calif. Filed July 20, 1920. Serial No. 397,774. 9 Claims. (Cl. 196-19.)

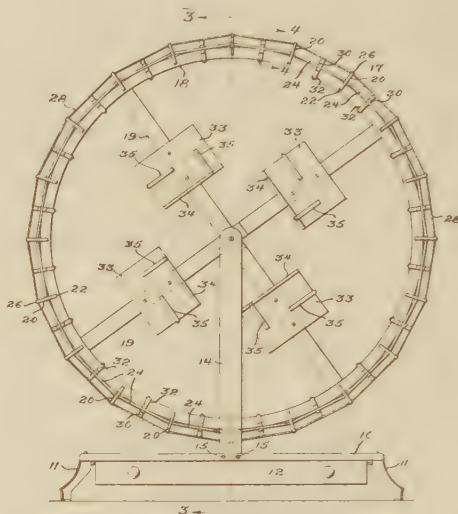


1. In an apparatus of the character described a housing having a distilling chamber formed therein, a main inlet and outlet opening formed in the housing, a second inlet and outlet opening formed within the housing and communicating with the distilling chamber and the first named inlet and outlet openings, a furnace chamber formed in the housing below the distilling chamber, and ducts formed in the housing for maintaining a flow of furnace gases past said second named inlet and outlet openings to exclude air from the distilling chamber and to prevent oxidization of the products of distillation.

1,462,024. COMBINATION DISPLAY AND VENDING DEVICE. GEORGE F. BAITZ, Philadelphia, Pa. Filed May 12, 1921. Serial No. 468,850. 8 Claims. (Cl. 211-20.)

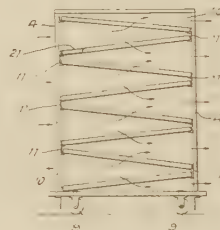
2. A device of the character described including a wheel; partitions spaced apart and projecting from the

rim of the wheel, said partitions having parts cut out so as to embrace said rim; and means interposed be-



tween said partitions whereby inner and outer channels are provided.

1,462,025. DRYING APPARATUS. HARRY BENTZ, Montclair, N. J. Filed Apr. 11, 1921. Serial No. 460,177. 7 Claims. (Cl. 34-47.)

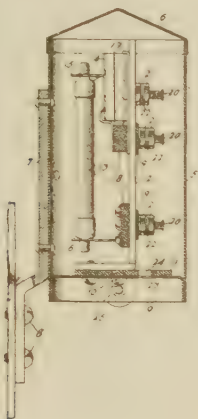


7. A drying apparatus comprising a substantially horizontal tunnel, means for forcing heated air through said tunnel, trucks carrying tiers of trays in said tunnel, said trays being adapted to hold material to be dried and having perforate bottoms, and means whereby said air current has relatively easy ingress into and relatively difficult egress from alternate inter-tray spaces in a given tier of trays and whereby said air current has relatively difficult ingress into and relatively easy egress from the intertray spaces intermediate said alternate spaces.

1,462,026. PROTECTIVE DEVICE. WILLIAM T. BOOTH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 3, 1917. Serial No. 200,071. 2 Claims. (Cl. 247-7.)

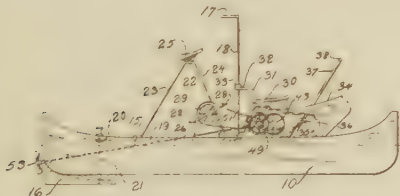
1. A protective device comprising a casing, means for mounting said casing upon a suitable support, a removable plate having a wide flange adapted to fit into

and engage the inner wall of said casing, a protective element mounted upon said plate and adapted to project



within and be held clear of said casing when said plate is in position, and an aperture in said removable plate for the passage of connecting wires.

1,462,027. HYDROCYCLE. FRANK BRADY, Denver, Colo. Filed Aug. 9, 1921. Serial No. 490,938. 1 Claim. (Cl. 115—28.)



A mechanical movement comprising a driven shaft provided with a bevel pinion, means for driving said shaft comprising a bevel gear cooperating with said pinion, a gear shaft secured to said bevel gear, a bearing in which said shaft rotates, a sprocket wheel secured to said shaft, a pair of pedals rotatably mounted on an axis substantially parallel to said gear shaft, a sprocket wheel non-rotatably connected to said pedals, a sprocket chain connected to said sprocket wheels, a gear pinion connected to said gear shaft and longitudinally movable thereon, a gear wheel operatively connected with said pinion, a crank pin secured to said gear wheel, a lever pivotally mounted between its ends and a pitman between one end of said lever and the crank pin on said gear.

1,462,028. INDICATOR. PASQUALE LO CASCIO, Brooklyn, N. Y., assignor to Toy Business Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 10, 1919. Serial No. 343,888. 10 Claims. (Cl. 46—56.)

1. In an indicator, a rotating member, means to maintain said rotating member in desired position com-

prising a weight detachable from and movable with respect to said rotating member, and means to hold and

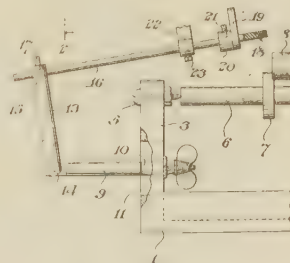


to release said weight with relation to said rotating member.

1,462,029. PROCESS FOR THE FERMENTATION OF MILK. ARTHUR B. CLARK, St. Louis, Mo., assignor to Fer-Mil-Lac Process Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 12, 1921. Serial No. 514,565. 2 Claims. (Cl. 99—11.)

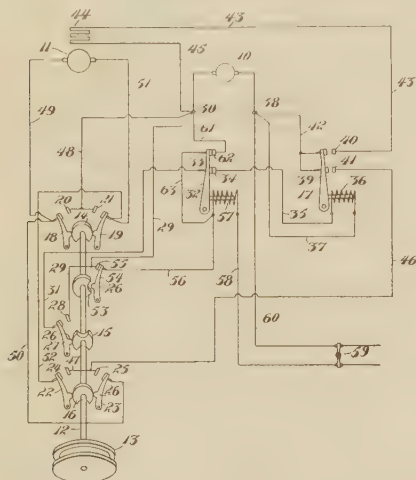
2. The improved process for the fermentation of milk, consisting of the following steps: the addition of a culture of Bulgarian bacillus to a small quantity of whole milk at a temperature of 90° F., in the proportion of about one ounce of the former to one quart of the latter, and the ferment of this mixture for a period of about twenty hours; the addition of this ferment at the end of about twenty hours to a larger quantity of whole milk at a temperature of 90° F., in the proportion of about one quart of the first ferment to three gallons of milk, and the maintenance of this mixture at a temperature of 90° F., for a period of twelve hours; the further addition of this second ferment to a larger quantity of whole milk at a temperature of 90° F., in the proportion of about three gallons of the former to one hundred gallons of the latter, and the maintenance of the mixture at a temperature of 90° F., for a further period of twelve hours, until the process of fermentation is complete.

1,462,030. GLASS-CUTTING MACHINE. HOWARD B. DAVIS, Millville, N. J. Filed Aug. 16, 1920. Serial No. 403,991. 3 Claims. (Cl. 49—48.)



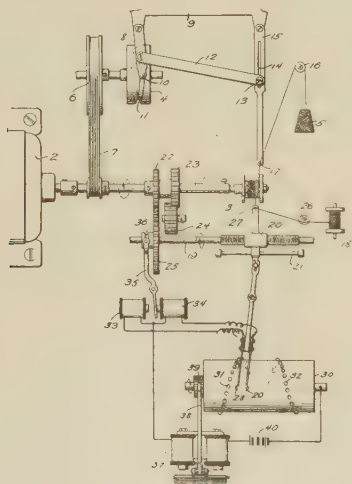
1. In a glass tube cutting machine, the combination with a frame, of a pair of shafts revolubly supported thereby, complementary disks carried by said shafts to provide rolling supporting means, an adjustable bearing carried by said frame, a strut connected in hinged relation to said bearing, a rod adapted to be fixed in longitudinally adjustable relation to said strut, a cutter carried by said rod, and an adjustable gage stop carried by said rod.

- 1,462,031. NEUTRAL-POSITION SAFETY CONTROL. WALLACE E. DAY, San Francisco, Calif., assignor to Frank M. Spencer, doing business under the name of Spencer Elevator Co., San Francisco, Calif. Filed June 30, 1919. Serial No. 307,732. 4 Claims. (Cl. 172—179.)



1. A control system for mechanically operated electrically driven elevators comprising a mechanical control member adapted to determine the direction of movement of the elevator, a motor, an electric circuit including said motor and the control mechanism, a main contactor adapted to open and close the motor circuit, a main contactor circuit adapted to be closed by the operation of the controller, means for rendering the main contactor inoperative and means whereby said contactor will be restored to its operative condition when the mechanically operated controller is moved to its neutral position.

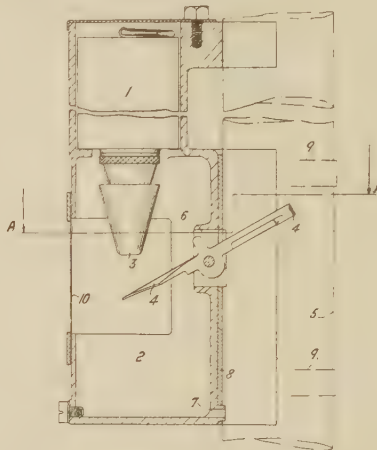
- 1,462,032. MACHINE AND METHOD FOR WINDING ELECTRICAL COILS. HENRY C. EGERTON, Passaic N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1920. Serial No. 433,756. 9 Claims. (Cl. 242—10.)



1. In a coil winding machine, a rotatable arbor, an adjustably mounted rotatable shaft, a feed member disposed on said shaft and adapted to act as a guide for the wire, a drum, a plurality of contacts mounted on said drum and adapted to control the serving of the wire upon said arbor, an electromagnet, an

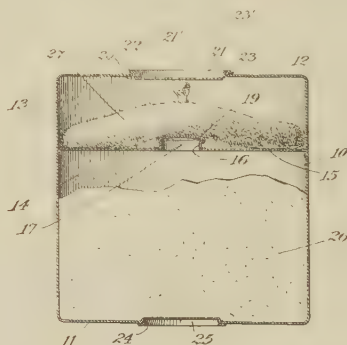
armature for said electromagnet, and means associated with said feed member adapted to contact with said drum contacts to cause said armature to step around said drum.

- 1,462,033. DISINFECTOR ATTACHMENT FOR THE FLUSHING ARRANGEMENTS OF WATER-CLOSETS AND THE LIKE. REGINALD VANDEZEE FARNHAM, Skelmorlie, Scotland. Filed Nov. 11, 1922. Serial No. 600,203. 1 Claim. (Cl. 4—30.)



Disinfector attachment for the flushing arrangements of water closets and the like, comprising, in combination, a container for the disinfectant, a mixing chamber having its external wall shaped to conform with the curvature of the flushing pipe, a valve device for permitting a quantity of disinfectant to pass from said container to said mixing chamber, a pivoted lever for operating said valve, one end of which lever projects into the flushing pipe and is depressed by the main flushing stream, and the other end of which contacts with and operates the valve, the end of said lever which projects into the flushing pipe also serving to deflect a quantity of water into the mixing chamber, an inlet near the top of the mixing chamber through which a quantity of water deflected by the lever is admitted to the mixing chamber, an outlet from the mixing chamber at the bottom thereof for the mixture to pass out into the flushing pipe, a deformable washer for interposition between said shaped wall and said flushing pipe, said washer being ported to correspond with the inlet and outlet of the mixing chamber and ports formed in the pipe, and clipping means embracing the pipe and embracing said mixing chamber so as to nip the washer between said shaped wall and said pipe.

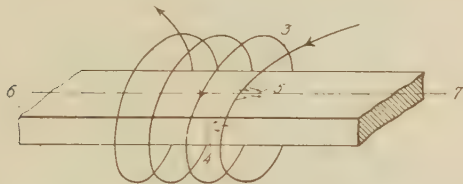
- 1,462,034. CONTAINER. ESTELLE B. FINLAYSON, Ossining, N. Y. Filed June 3, 1921. Serial No. 474,636. 1 Claim. (Cl. 132—82.)



In a container, in combination, a receptacle, a transverse partition within the receptacle having an open-

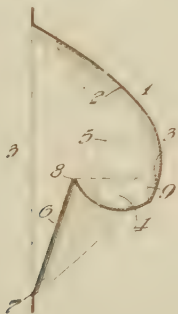
ing therein, a perforated sifter enclosing said opening and extending upwardly therefrom, means for opening and closing the perforations in the sifter, a cover for the upper chamber having an opening considerably smaller than the cover and means for opening and closing the cover opening.

1,462,035. TREATMENT OF MAGNETIC MATERIAL. WILLIAM FONDILLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 10, 1920. Serial No. 402,672. 2 Claims. (Cl. 178-45.)



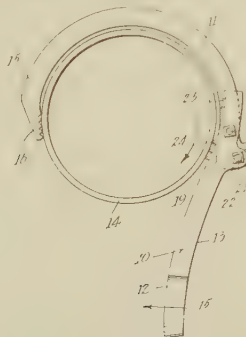
1. The method of obtaining a substantially uniform initial permeability in a plurality of pieces of magnetic material which consists in adjusting the permeability of these pieces by magnetizing some of the pieces to their saturation point and then thoroughly demagnetizing them.

1,462,036. AUTOMOBILE HEADLIGHT AND REFLECTOR. THOMAS DE LEON GRAHAM, Philadelphia, Pa., assignor of one-third to F. Mortimer Cleveland, Philadelphia, Pa. Filed Aug. 25, 1922. Serial No. 584,199. 7 Claims. (Cl. 240-41.)



1. In a device of the character stated, the combination of a primary parabolic reflector and a convex reflector occupying the lower central portion of said primary reflector, and having its upper edge positioned within the front edges of said primary reflector and terminating at a point below the horizontal median line of said primary reflector.

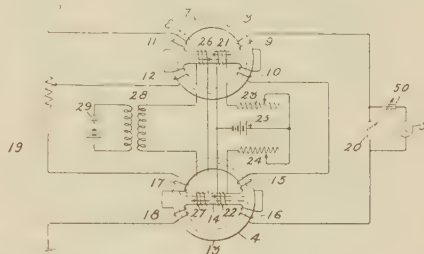
1,462,037. PIPE-HOOK TONGS. LELAND S. HAMER Fullerton, Calif., assignor of one-half to William Webster Wilson, Los Angeles, Calif. Filed Apr. 21, 1921. Serial No. 463,423. 3 Claims. (Cl. 81-98.)



1. In a device of the character described, a handle; a pipe embracing member pivotally mounted adjacent

one end upon the handle; pipe engaging teeth upon said handle on each side of said pivot; and means on said embracing member cooperating with means on the handle to limit their relative movement in either direction.

1,462,038. MODULATING SYSTEM. RALPH V. L. HARTLEY, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 30, 1916, Serial No. 139,784. Renewed Oct. 25, 1922. Serial No. 596,899. 30 Claims. (Cl. 250-19.)



1. The combination of a source of high frequency currents, a line selectively responsive to modulated currents of said high frequency, means associated with said source and said line for modulating said high frequency currents, said means comprising two transformers having primary windings connected to said source and secondary windings connected in series opposition in said line, and signaling means for differentially controlling said transformers whereby a pure modulated wave is transmitted by said line.

1,462,039. DOLLY JACK. LEO J. MCKONE, Chicago, Ill., assignor to Mid-West Manufacturing Company, Minneapolis, Minn., a Corporation of South Dakota. Filed July 8, 1921. Serial No. 483,148. 12 Claims. (Cl. 254-2.)

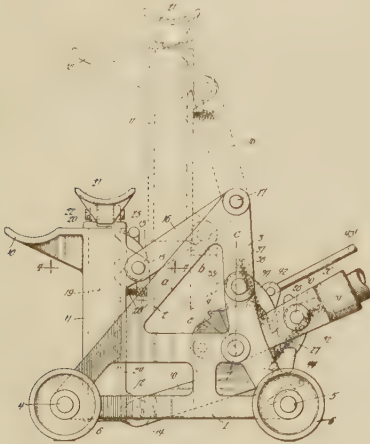


1. In a device of the kind described and in combination, a jack supporting frame, a triangular truss frame pivotally connected thereto and carried thereby, a lifting cap pivotally connected to and carried by said truss frame, a draw bar slidably in the jack frame, a link pivotally connected between said truss frame and draw bar, whereby a pull on said link will elevate the truss frame to raise the cap, a rack carried by said draw bar, and means for operating said rack.

1,462,040. TIRE-CHANGING JACK. LEO J. MCKONE, Chicago, Ill., assignor to Mid-West Mfg. Co., Minneapolis, Minn., a Corporation of South Dakota. Filed Sept. 8, 1921. Serial No. 499,154. 10 Claims. (Cl. 264-103.)

1. In a jack of the kind described and in combination, a supporting frame, a load-lifting head carried thereby, a ratchet wheel controlling said head, a lifting pawl engageable with said ratchet wheel, means for operating said pawl intermittently to partially rotate said ratchet wheel to move said head, a holding pawl engageable with

said ratchet wheel, means for yieldably releasing said holding pawl while said lifting pawl is in operative engagement with said ratchet wheel, and means operable by



said lifting pawl for automatically moving said released holding pawl into locking engagement with said ratchet wheel when said lifting pawl is released.

1,462,041. ATOMIZER. MABELLE A. MEYER, New York, N. Y. Filed Feb. 19, 1920. Serial No. 359,840. 1 Claim. (Cl. 299-96.)

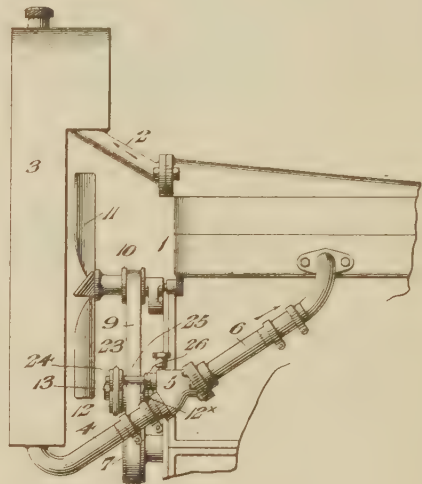


A perfume atomizer consisting of the combination of the bottle for containing the material to be sprayed, a doll figure having a body portion and costume portions adapted to enclose the bottle, and a stopper rigid with the body portion of the figure adapted to close the mouth of the bottle, a spray tube extending from the liquid within the bottle through the stopper, thence through the doll figure to an exterior point convenient for atomizer purposes, a spray bulb located between the bottle and the costume portions which enclose it and adapted to be operated while thus enclosed, and a connection from said bulb to the interior of the bottle for causing the perfume to be delivered through said spray tube to the point of atomization when said bulb is operated.

1,462,042. WATER CIRCULATOR FOR AUTO ENGINES. GOTTLIEB MULLER and MATHEW B. HILL, Philadelphia, Pa.; said Hill assignor, by mesne assignments, of his entire right to John B. Taylor, Philadelphia, Pa. Filed June 27, 1921. Serial No. 480,660. 2 Claims. (Cl. 74-26.)

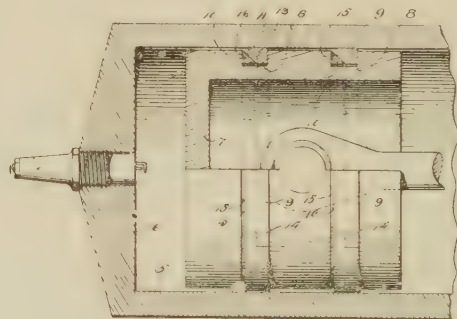
1. In an attachment for the cooling system of an internal combustion engine, a fixed arm, a relatively mov-

able arm pivoted at one end thereon, a clip embracing said arms between the pivot and free end of the movable arm, a shaft on the free end of the movable arm, a fric-



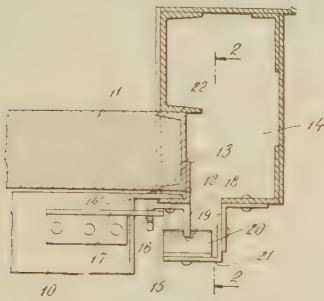
tion roller on said shaft, and a spring having one end secured to said shaft and its free end received in said clip and bearing on the top edge of said fixed arm.

1,462,043. PISTON RING. JOHN E. NORWOOD, Baltimore, Md. Filed May 27, 1918. Serial No. 236,860. 2 Claims. (Cl. 74-109.)



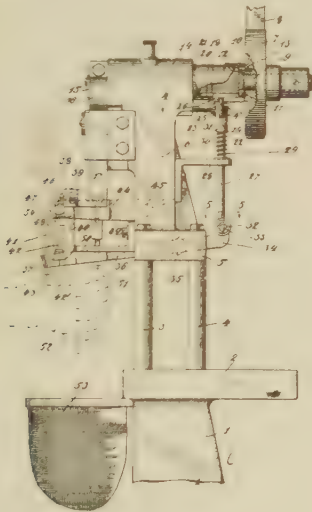
1. The combination with the cylinder of an explosive engine and a peripherally grooved piston therein, of a composite ring comprising a radially expansible annular section within and of less width than the groove, and projecting from the groove into peripheral contact with the cylinder wall and having one end face contacting with a side wall of the groove and its other end face beveled to its inner periphery, the ring comprising also a second annular radially expansible section disposed between and contacting with the face of said bevel and the other side wall of the piston groove, the face of the second section that contacts with the beveled face of the first section being conical and continuous to the periphery of the piston where it meets the corresponding end wall of the section.

1,462,044. SECTIONAL DOOR. JOHN EDWARD OGDEN, Mountainville, N. Y. Filed Aug. 12, 1921. Serial No. 491,696. 14 Claims. (Cl. 20—19.)



1. In combination, a door post, vertically movable door sections and means carried by the post for moving one of the sections into engagement with said post and means carried by the said section for moving another section into engagement with the post.

1,462,045. NAIL-EXTRACTING APPARATUS. ABRAHAM PIASER, Elmhurst, N. Y., assignor to Rosenwasser Bros., Inc., Astoria, N. Y., a Corporation of New York. Filed Dec. 18, 1919. Serial No. 345,854. 11 Claims. (Cl. 12—16.)

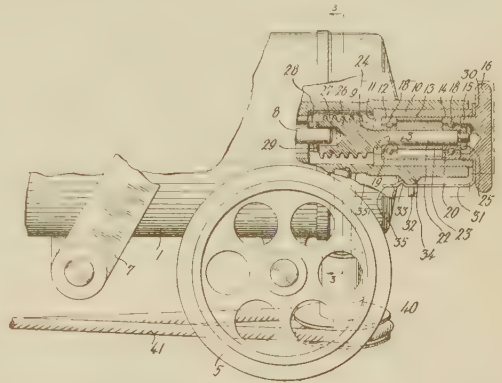


1. In a machine of the class described, the combination with gripping means, of means for operating said gripping means including a shaft, driving means normally disconnected from said last mentioned means on said shaft to establish an operative connection between said shaft and said driving means, and means adapted to be engaged and raised upwardly by the work to actuate said connecting means whereby said gripping operating means will be driven by said driving means.

1,462,046. CLUTCH MECHANISM. CHARLES E. REDDIG, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1920. Serial No. 378,142. 3 Claims. (Cl. 192—67.)

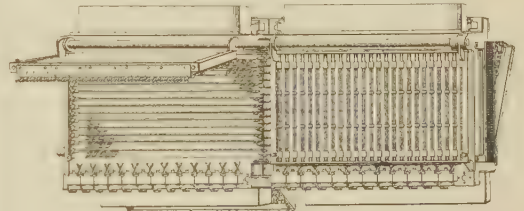
1. A clutch mechanism for vacuum cleaners having a rotatable brush and an electric motor, comprising a casing, a worm slidable in said casing into and out of operative connection with the armature shaft of said motor,

a worm gear meshing with said worm, a brush actuating mechanism operatively connected with said worm gear, and a slidable sleeve operatively connected with said



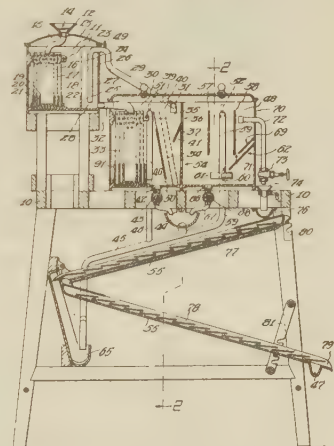
worm and disposed in said casing for sliding said worm into and out of operative connection with the armature shaft of said motor.

1,462,047. CROSSBAR LINE SWITCH. JOHN NEWBERRY REYNOLDS, Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 14, 1920. Serial No. 416,835. 10 Claims. (Cl. 179—27.5.)



2. A line switch comprising a plurality of vertical trunk bars, a plurality of horizontal individually operable line bars cooperatively associated with said trunk bars and a hinged member on which said line bars are mounted.

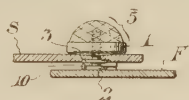
1,462,048. APPARATUS FOR CLEANING AND CLARIFYING USED LUBRICATING OIL. TREGARTHEN DAVIS RICHARDS, Marrickville, near Sydney, New South Wales, Australia. Filed Sept. 23, 1922. Serial No. 590,022. 5 Claims. (Cl. 210—43.)



1. Apparatus for recovering clean oils from dirty used lubricating oils by water washing the same whilst in a

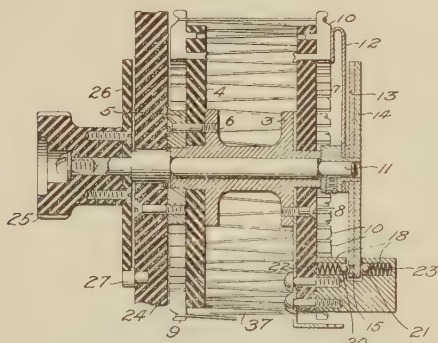
minutely subdivided condition, said apparatus consisting essentially of a plurality of vessels fitted respectively with diaphragms of fine wire gauze with clearance spaces intervening them, said diaphragms disposed substantially vertically and across the direction of flow of liquid through said vessels, means for maintaining a uniform level of liquid in said vessels submerging said diaphragms, means for introducing an agitated mixture of dirty oil and water forward of the terminal screen at the end of one of said vessels, means for reagitating the mixed oil and water during its course through said vessels, a separator vessel connected serially with the wash vessels, means for removing water from the bottom strata in all said vessels and clean oil from the top stratum in said separator vessel, and means for removing deposited foreign matter from all said vessels.

- 1,462,049. FASTENING DEVICE FOR WEARING APPAREL. SAMUEL RIVELIS, Philadelphia, Pa. Filed Oct. 18, 1921. Serial No. 508,574. 1 Claim. (Cl. 24—224.)



A fastening device comprising a threaded shank having a flange at one end, an ornamental button applied to the shank to grip a member to be secured between the button and flange, a head on the shank spaced from the flange, and a complementary member including spaced flanges to grip the shank between the head and flange and adapted to receive the parts at one end of the flanges in tight engagement, with means forming part of the complementary member for attachment to another member to be secured.

- 1,462,050. SWITCHING DEVICE. EDWARD O. SCRIVEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1921. Serial No. 524,993. 6 Claims. (Cl. 200—11.)

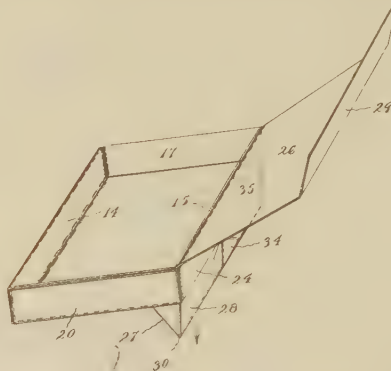


1. A switching device comprising a plurality of contact terminals, a contact arm for engaging said contact terminals, means for yieldably holding the contact arm in contact with alternate terminals, and similar independent means for yieldably holding the contact arm in contact with the other terminals.

- 1,462,051. COUNTER CARTON. AUGUST SEIFERT, Brooklyn, N. Y., assignor to Robert Gair Company, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 22, 1920. Serial No. 375,758. 8 Claims. (Cl. 206—44.)

1. In a container formed by folding, the combination of, an outer bottom; an inner bottom receivable in the outer bottom; sides and ends for the outer and inner bottoms; the sides and ends of the outer bottom providing

outer sides and outer ends for the container and the sides and ends of the inner bottom providing inner sides and inner ends for the container; means for locking said outer and inner sides and outer and inner ends in operative relation in the container; and a covering portion

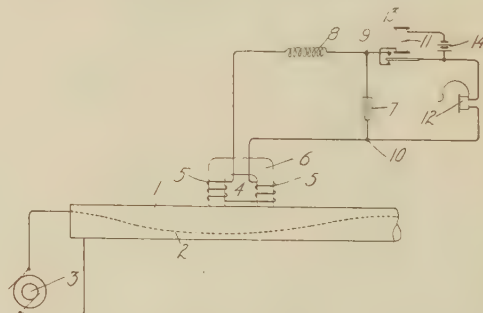


for the container, the outer bottom having an easel brace portion connected to one of said outer sides; said easel brace portion and the outer side connected thereto being movable to provide an easel brace and an easel back for supporting the container in display position.

- 1,462,052. PROCESS FOR OBTAINING NITRIC ACID BY MEANS OF THE ELECTRIC ARC IN A CLOSED CYCLE. WERNER SIEBERT, Laufenburg, Switzerland, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland, a Corporation of Switzerland. Filed May 13, 1922. Serial No. 560,728. 5 Claims. (Cl. 204—31.)

1. In a process for obtaining nitric acid by means of the electric arc in a closed cycle, the maintaining of a relatively low temperature within the absorption apparatus so that the content of vapor in the oxygen and nitrogen gas mixture led back to the electric furnace is reduced to a negligible amount.

- 1,462,053. ELECTRICAL TESTING SYSTEM. HUGH M. STOLLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 13, 1920. Serial No. 423,884. 10 Claims. (Cl. 175—183.)

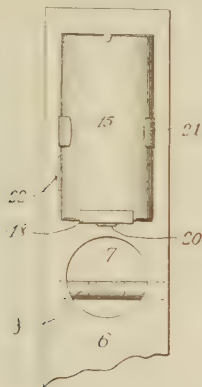


1. In a system for locating faults in cable conductors, a source of variable current to be impressed on such faulty conductor, an exploring coil, a circuit including the exploring coil and tuned to resonance at the frequency of the source of variable current, and a current detector associated with said circuit.

- 1,462,054. LEVEL. HEDVIG TANGEE, New York, N. Y. Filed May 16, 1922. Serial No. 561,519. 1 Claim. (Cl. 240—8.4.)

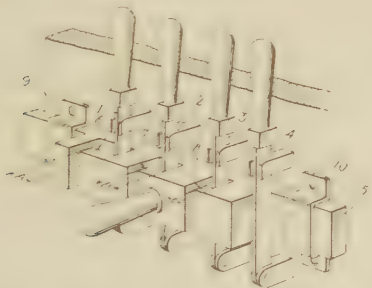
The combination with a level, of a device for illuminating the gages thereof, said devices comprising a rec-

tangular supporting plate having two of its parallel sides bent to form hooks, and means for securing said plate to the level, a bracket plate having its one end portion bent back upon itself to form a hook member adapted to engage the hooks formed on said supporting plate for detachably securing said bracket to the said plate, the other end of



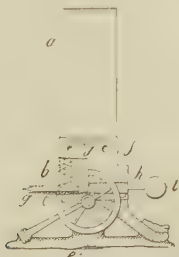
said bracket being bent to form a foot at right angles thereto, said foot being provided with an aperture, and a spring member secured to said bracket and adapted to hold a flashlight in position with the lamp illuminating through the said aperture, said foot portion having an outer upwardly turned lip to prevent displacement of the said flashlight

1,462,055. INTERLOCKING KNIFE SWITCHES. LEWIS C. WESCOAT, Elmhurst, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1919. Serial No. 347,801. 6 Claims. (Cl. 200—5.)



4. In combination, two switches, each having a contact blade, and a bar provided with an overhanging ledge, said bar cooperating with said switches so that one switch cannot be opened until the other switch has been opened and so that said second mentioned switch cannot be closed until said first mentioned switch has been closed.

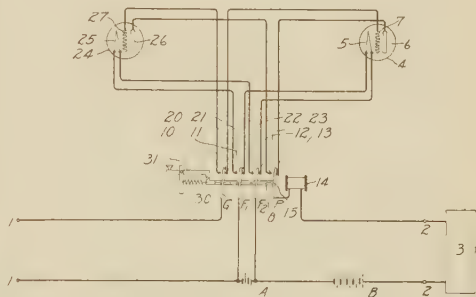
1,462,056. PACKING AND DELIVERING GRAMOPHONE AND LIKE NEEDLES. CLIFTON WEST, London, England. Filed Jan. 21, 1922. Serial No. 530,964. 2 Claims. (Cl. 211—8.)



1. The combination with a fixed support, a holder carried by said fixed support and a reciprocal plunger mount-

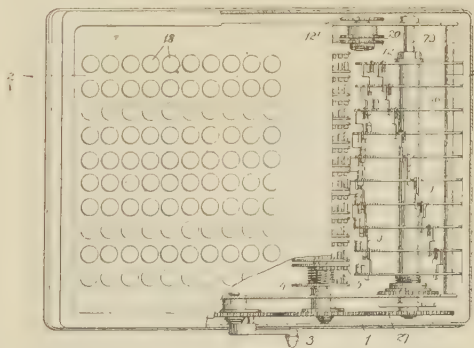
ed in said support and operating in the bore of a barrel formed therein of a replaceable magazine comprising a closed container for gramophone needles provided with apertures in its sides, said apertures registering with the said bore when the magazine is placed within the said holder and means for retaining said magazine in its operative position therein for ejection of the needle contents by the aforesaid reciprocal plunger.

1,462,057. SWITCHING MECHANISM FOR VACUUM TUBES AND THE LIKE. PETER I. WOLD, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1920. Serial No. 413,097. 10 Claims. (Cl. 250—27.)



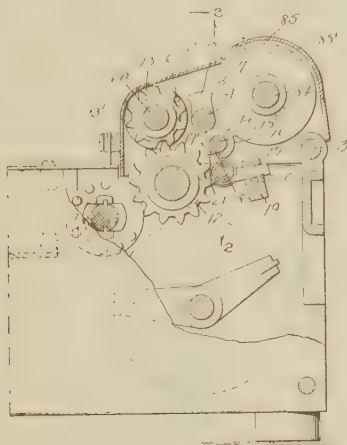
1. An electrical circuit comprising a vacuum tube element having an anode and a cathode, a second element of the same character, means for supplying space current to said first tube, means for supplying heating current to the filament of said first tube, and means responsive to the deterioration of said first tube for replacing said first tube with said second tube and to connect both of said supply means thereto.

1,462,058. CARRY MECHANISM FOR REGISTERS. EDWIN F. BRITTEN, Jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Filed Apr. 14, 1920. Serial No. 373,834. 4 Claims. (Cl. 235—133.)



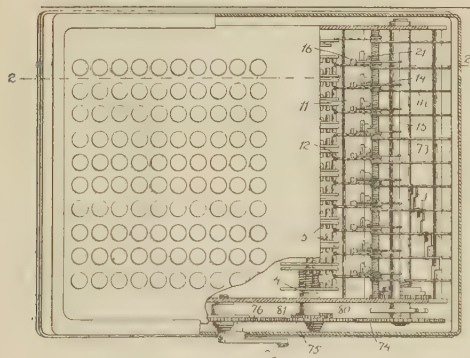
1. In a register, an endwise-shiftable carriage, register wheels mounted thereon, means for selectively operating said wheels, and carry mechanism comprising means for effecting a delayed carry between certain of said wheels in a given position of the carriage, and means for effecting a carry to one of the last-named wheels simultaneously with the passage of the next lower order wheel to decimal position, in another position of the carriage.

1,462,059. AUTOMATIC CARRIAGE RAISING MEANS FOR CALCULATING MACHINES. EDWIN F. BRITTEN, Jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Filed Aug. 3, 1920. Serial No. 400,972. 2 Claims. (Cl. 235—82.)



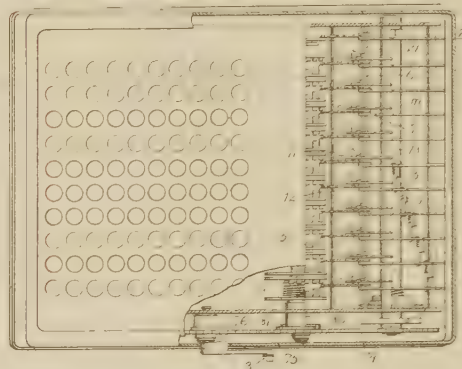
2. In a calculating machine, a series of gears, an end-wise shiftable pivoted carriage having a series of numeral wheels provided each with a gear in mesh with the related gear of said series, means for setting said numeral wheels to zero, and means cooperating therewith for automatically raising the carriage and holding it raised during the zero setting, including a rotary cam mounted on the carriage and a series of spaced stationary transverse frame members disposed in parallel vertical planes at right angles to the shaft of said cam and having each a horizontally bent extension adapted to form a bearing for said cam.

1,462,060. CARRY-SET MECHANISM FOR CALCULATING MACHINES. EDWIN F. BRITTEN, Jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Original application filed Nov. 23, 1920, Serial No. 426,043. Divided and this application filed Sept. 2, 1921. Serial No. 497,863. 6 Claims. (Cl. 235—138.)



1. In a calculating machine, numeral wheels rotatable in either of two directions, carry mechanism including driving elements, and reciprocatory pivoted arms operable by said numeral wheels and adapted to move said elements from inactive to active position, said arms having each a pivoted tooth engaged by said wheels and being thereby adapted to allow excess movement of said numeral wheels when suddenly checked without depression of the arms.

1,462,061. OVERTHROW CHECK FOR CALCULATING MACHINES. EDWIN F. BRITTEN, Jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Original application filed Nov. 23, 1920, Serial No. 426,043. Divided and this application filed Sept. 2, 1921. Serial No. 497,864. 8 Claims. (Cl. 235—131.)



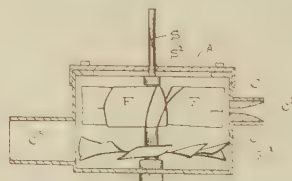
1. In a calculating machine, selecting mechanism including driving elements, carry mechanism including driving elements, numeral wheels operated by said selecting elements and more rapidly by said carry elements, spring overthrow preventing means for said numeral wheels, and positively acting overthrow preventing means for said numeral wheels operable only during the carry operation.

1,462,062. TOOTHPICK AND METHOD OF MAKING SAME. GEORGE M. BROWNING, New York, N. Y. Filed Nov. 1, 1922. Serial No. 598,284. 8 Claims. (Cl. 132—93.)



1. A toothpick carrier comprising a sheet of hard flexible material having surface cuts arranged to outline toothpick blanks therebetween.

1,462,063. APPARATUS FOR AERATING LIQUIDS. CHARLES JOHN CUTCLIFFE WRIGHT HYNE, Bradford, England. Filed July 26, 1922. Serial No. 577,721. 1 Claim. (Cl. 281—25.)



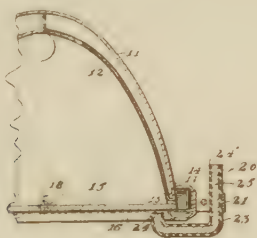
An aerating device of the class described comprising a casing having a cylindrical shape and provided at one end with means for the admission of air, a water supply nozzle at one side of the casing adjacent the open end thereof, a water outlet tube at the opposite side of the casing adjacent the remaining end thereof, a shaft mounted axially of the casing, a combined fan and water pump mounted on the shaft, and a water supply nozzle at one side of the casing adjacent the open end thereof.

wheel fixed on said shaft adjacent the open end of the casing, said fan and water wheel having a series of blades each curved at the portion adjacent the open end of the casing to constitute a fan element arranged to draw air in through said open end, said blades each further having a portion remote from the open end of the casing arranged to pass in front of said nozzle and shaped to form an impeller bucket, and an agitator on said shaft below the fan having propeller like blades and positioned opposite the outlet tube whereby to mix the air and water in said casing.

1,462,064. PROCESS FOR THE PRODUCTION OF SODIUM DECARBORATE FROM BORON ORES. ALBERT ANDREW KELLY, London, England. Filed Feb. 17, 1922. Serial No. 537,306. 2 Claims. (Cl. 23—13.)

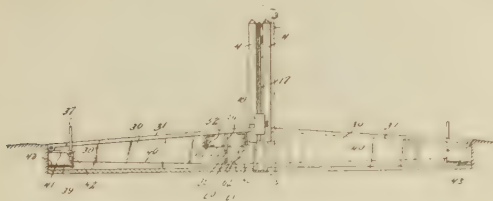
1. A process for the production of sodium decaborate, comprising mixing boron ore with water, heating the mixture and treating the mixture with sulphur dioxide so that on cooling the decaborate is obtained therefrom.

1,462,065. ATTACHMENT FOR HEADLIGHTS. BERNARD J. LEE, Los Angeles, Calif. Filed May 31, 1921. Serial No. 474,012. 2 Claims. (Cl. 240—46.)



1. In a headlight the combination of a casing, a light in the rear of said casing, a transparent rod supported on said casing and having a portion thereof transversely disposed relative to the headlight and one end thereof positioned in front of the light, and the other end visible from the rear of the casing, and an opaque element covering all but the ends of said rod.

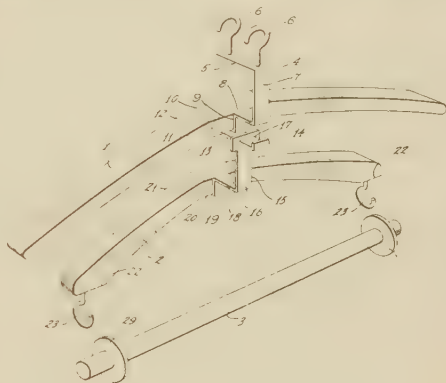
1,462,066. GATE. JAMES M. McDANIEL, Amarillo, Tex. Filed Oct. 11, 1921. Serial No. 506,948. 2 Claims. (Cl. 39—5.)



1. The combination of a collapsible gate, a weighted lever to close and yieldingly maintain the gate in closed position, a trough below the gate, troughs in parallelism arranged at opposite sides of and at right angles to the first-named trough, wheel levers pivoted at their outer ends in the second-named troughs and having their inner ends arranged above the first-named trough, means connecting the inner ends of the wheel levers and the gate, bail-shaped levers movable vertically below the inner portions of the wheel levers at one side of the first-named trough, said levers having arms, bail-shaped control levers straddling the outer end portions of the wheel levers and having arms, cables connecting the arms of said control levers and the arms of the first-named bail-shaped levers, bell-crank levers having arms arranged at the inner sides of the arms of the control levers, retract-

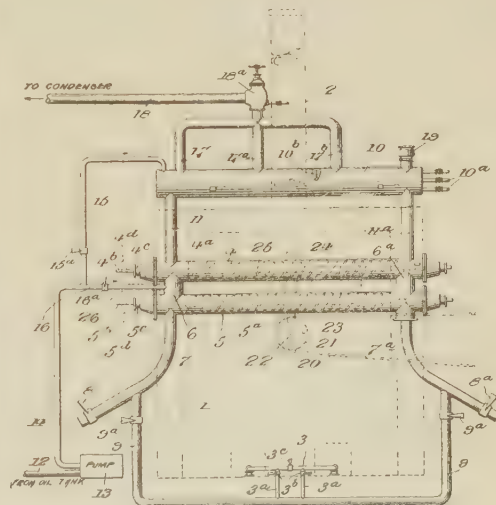
tile springs interposed between the arms of the bell-crank levers and the ends of the second-named troughs, pendant tappets on the inner portions of one pair of wheel-levers, said tappets being beveled and being provided at their opposed faces with hooks adapted to assume positions below the first-named bail-shaped levers, and springs on the walls of the troughs and having shoulders adapted to engage the first-named bail-shaped levers and detachably hold the same in depressed position, said shoulders being released from said levers by the beveled portions of the tappets.

1,462,067. GARMENT HANGER. JOHN T. McKENNA, New York, N. Y. Filed Nov. 4, 1922. Serial No. 599,006. 6 Claims. (Cl. 211—13.)



1. A garment support embodying a coat hanger, a bracket secured to and supporting the coat hanger, said bracket being provided with a forwardly extending guiding arm for a vest hanger, a vest hanger, and a bracket secured to the vest hanger and demountably suspended for front to back sliding movement on the guiding arm of the coat hanger bracket for the purpose of conveniently hanging up or removing the vest or other garment from the vest hanger without disturbing a garment on the coat hanger.

1,462,068. PROCESS OF TREATING HYDROCARBON OILS. LEVI H. MANNING, Tucson, Ariz. Filed Apr. 18, 1921. Serial No. 461,994. 18 Claims. (Cl. 196—25.)

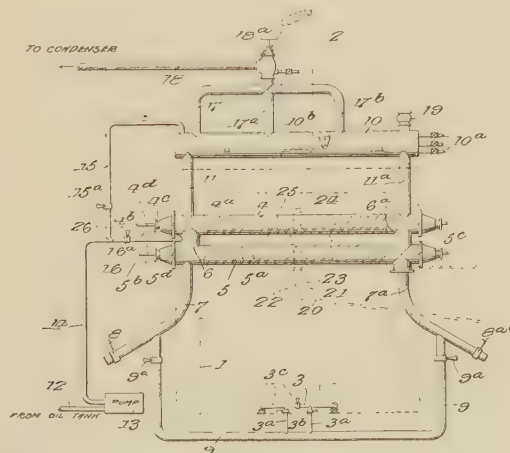


1. The process of treating hydrocarbon oils which process comprises subjecting the oil to be treated to a continuous agitating movement within a normally stationary and closed chamber and to contact with freely

movable metallic elements propelled within prescribed limits in said chamber, and subjecting said oil while in said chamber to a heat treatment applied to the exterior of the chamber.

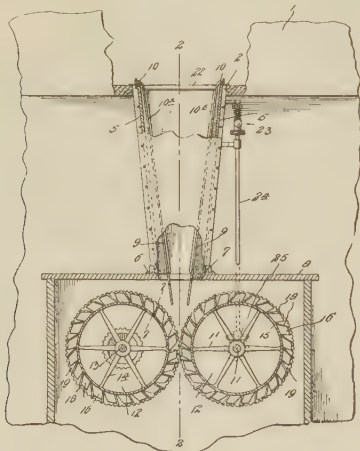
11. The process of producing hydrocarbon oils having low boiling points from hydrocarbon oils having high boiling points which process comprises subjecting the oil to be treated to a pulsating agitating movement lengthwise within a closed tubular container, and subjecting said oil to a heat treatment of at least 700° F. applied directly to the exterior of said container.

1,462,069. APPARATUS FOR TREATING HYDRO-CARBON OILS. LEVI H. MANNING, Tucson, Ariz. Filed Apr. 16, 1921. Serial No. 461,995. 50 Claims. (Cl. 196—25.)



1. In an apparatus for heat treating hydrocarbon oils, a cylindrical treatment chamber, means for heating the exterior of said chamber, a rotatable shaft extending centrally through the length of said chamber, and a series of vanes fixed on said shaft to rotate therewith, each vane having its broader face transverse to the axis of said shaft and being positioned at an inclined angle to the axis of said shaft.

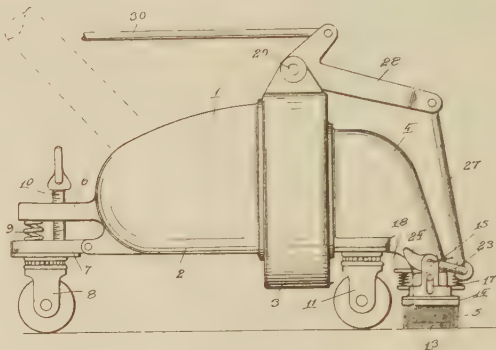
1,462,070. WATER-TURBINE CONSTRUCTION. FRANK PARMENTIER, Philadelphia, Pa. Filed Sept. 2, 1922. Serial No. 585,875. 6 Claims. (Cl. 253—136.)



1. In a water turbine construction, the combination with a water containing basin having a discharge open-

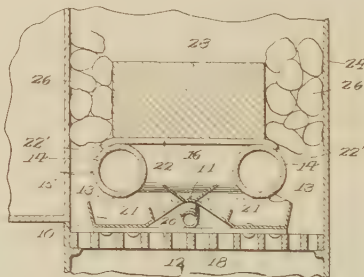
ing at its lower end, of a caisson depending from said basin and connected thereto at the discharge opening thereof, intermeshing water wheels below said caisson having their points contact in line with the center of said caisson, and adjustable vanes in said caisson for directing the water on to said water wheels at the point of contact thereof.

1,462,071. VACUUM CLEANER. PAUL RIEMAN, Rochester, N. Y. Filed July 18, 1921. Serial No. 485,666. 4 Claims. (Cl. 15—10.)



1. A vacuum cleaner, comprising a casing, casters supporting the rear and sides of said casing, a nozzle at the front of said casing, a brush surrounding the perimeter of said nozzle and means adapted to raise and lower said brush surrounding said nozzle.

1,462,072. LIQUID-FUEL BURNER. CLYDE M. RUSHING, Bozeman, Mont. Filed May 2, 1922. Serial No. 557,883. 3 Claims. (Cl. 158—63.)

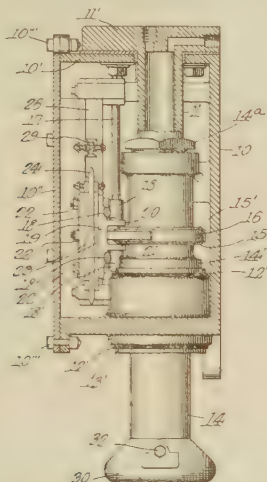


1. A heating device including a pan, an arch in the pan formed with openings in the sides thereof, outwardly extending air and gas directing wings in the openings, a generator above the arch, a burner disposed beneath the arch and having openings positioned to discharge flame through the air openings, and heat absorbing means supported on the generator.

1,462,073. TRAIN-CONTROL SHOE MECHANISM. ARCHIBALD G. SHAVER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed May 14, 1921. Serial No. 469,529. 10 Claims. (Cl. 246—193.)

9. A ramp engaging mechanism for train control systems comprising a support, a fixed piston member car-

ried thereby, a cylinder member mounted for slidable movement on said piston member and arranged exter-



nally thereon, and cooperating circuit controlling means carried by said support and said cylinder member.

1,462,074. DETONATOR. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed June 14, 1919. Serial No. 304,215. 6 Claims. (Cl. 102—43.)



5. A detonator comprising an initial priming charge, and a main charge comprising nitrostarch, an oxidizing agent, and a stabilizing agent.

1,462,075. DETONATOR COMPOSITION. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Original application filed June 14, 1919, Serial No. 304,215. Divided and this application filed Oct. 6, 1921. Serial No. 505,779. 6 Claims. (Cl. 52—4.)

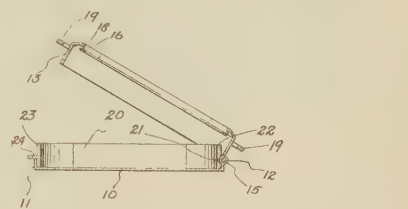


1. A detonator composition comprising nitrostarch and an oxidizing agent.

1,462,076. WATCHCASE. MAX SPIRO, New York, N. Y. Filed Apr. 28, 1922. Serial No. 557,187. 1 Claim. (Cl. 58—88.)

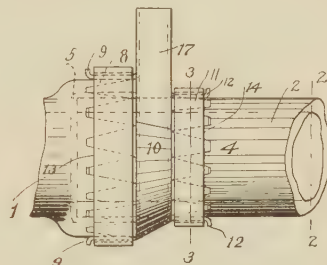
A watch case comprising a substantially rectangular casing having angular corners, a similar open faced

cover hingedly connected to said casing, the hinge sleeves of both members projecting partly into the casing chamber, a carrier frame receptive of a watch movement being adapted to telescope into the casing and cover members, said carrier frame having a channel which receives the said inwardly projecting portion of the hinge, said channel being adapted to retain the car-



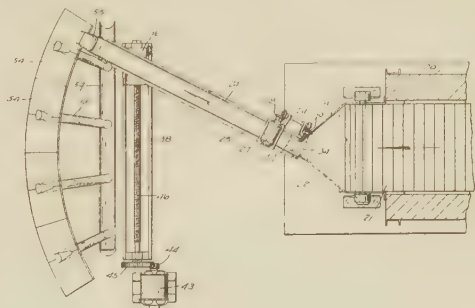
rier frame removably secure in either the casing or cover member, a longitudinal rib on the carrier frame on the side opposite to the channel and projecting outwardly between the cover and casing, said rib being adapted to retain the carrier frame in telescoped position in either the casing or the cover when said casing and cover are opened.

1,462,077. APPARATUS FOR FORMING PIPE JOINTS. LEROY A. WESTON, Adams, Mass. Filed Nov. 23, 1922. Serial No. 602,781. 5 Claims. (Cl. 25—127.)



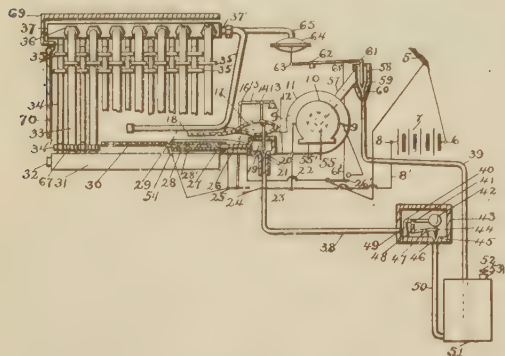
1. In a device for the purpose described, the combination with the spigot and bell ends of two adjacent sections of pipe, said device having two sets of flexible finger like elements designed to engage the outer ends of the bell and spigot end respectively, said fingers having upturned portions, bands engaging the fingers, and retained in place by the upturned portions, means for tightening the bands to draw the fingers against the pipe sections, said device having an upwardly extending member for introducing the joint forming material, as semi-liquid cement into the annular space between the sections.

1,462,078. WARE-DISTRIBUTING MECHANISM. PERCY Q. WILLIAMS, Cincinnati, and LEONARD D. SOUBIER, Toledo, Ohio, assignors to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 10, 1922. Serial No. 551,052. 14 Claims. (Cl. 198—19.)



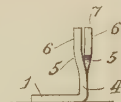
1. The combination of a leer, selecting tables, and automatic means to receive ware from the leer and distribute it to the selecting tables.

1,462,079. HEAT TRANSMISSION. JOSEPH LE ROY BANKS, Baltimore, Md. Filed Aug. 29, 1921. Serial No. 496,726. 18 Claims. (Cl. 158—29.)



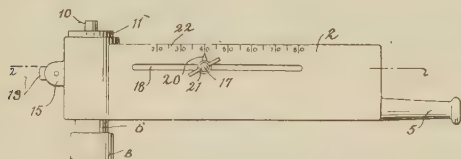
1. In a heat circulating system, a secondary preheater independent of the fire box, secured to the fuel supply, an electrical or primary preheater secured to the fuel supply intermediate of the secondary preheater and the fuel supply, and means for starting the primary preheater.

1,462,080. KNIFE SHARPENER. ARVID BOHLIN, Trenton, N. J. Filed Apr. 1, 1921. Serial No. 457,620. 2 Claims. (Cl. 76—86.)



1. A knife sharpener comprising, in integral formation, a base and a bifurcated standard embodying two oppositely disposed cutting members which partly overlap and are ranged one in advance of the other.

1,462,081. SAFETY DEVICE FOR INFLATING PNEUMATIC TIRES. HOWARD H. BREEDEN, Millville, N. J. Filed May 10, 1921. Serial No. 468,238. 2 Claims. (Cl. 137—53.)

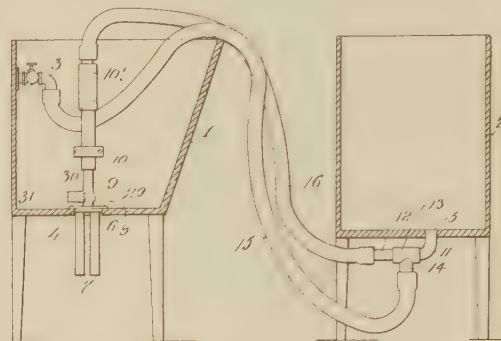


1. In a device of the character described, an elongated valve housing having an open slot along one side, and a lever bearing in one end, a valve seated near said end, said valve having a slotted stem, an elongated lever passing through said slot and having its end pivotally connected to aforesaid lever bearing, slidable spring means pressing against said lever to hold said valve normally closed, means extending through aforementioned slot for moving said spring to regulate the air pressure required to open said valve, and an adjacent scale indicating said air pressure.

1,462,082. SIPHON APPARATUS. DAVID M. CARR, Brooklyn, N. Y. Filed Apr. 7, 1921. Serial No. 459,402. 7 Claims. (Cl. 137—20.)

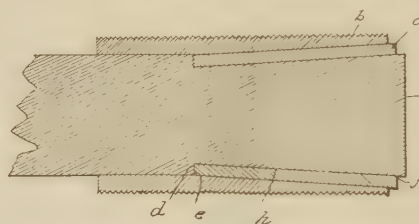
1. In a device of the class described, a container, a drainage tube having three spaced openings of substantial equal area, one communicating with the container and one with a faucet and the other comprising a discharge tube, a siphon tube connected with the discharge

tube, and automatic liquid control means to cause liquid under pressure entering the said opening communicating with the faucet to pass through the same into the discharge tube, and, when the flow of the liquid



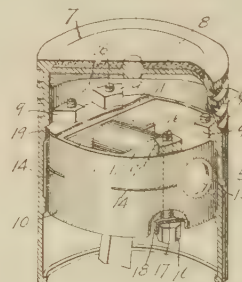
under pressure is cut off, to cause a flow of the liquid to be set up by gravity through the drainage and discharge tubes and the siphon tube, whereby the liquid in the container may be discharged.

1,462,083. ADJUSTABLE PROPELLER FERRULE AND WOOD-HOLDING DEVICE. NILS HERMAN CEDERQUIST, Los Angeles, Calif. Filed May 3, 1922. Serial No. 558,291. 4 Claims. (Cl. 170—173.)



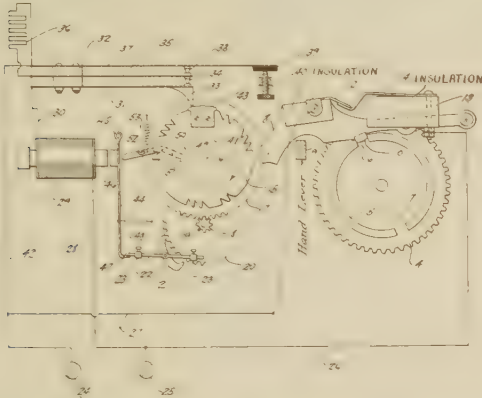
1. A wood holding device including a body member, a substantially cone shaped split bushing mounted thereon with its ends normally standing apart, and means mounted upon said bushing whereby to cause the edges thereof to move toward each other.

1,462,084. PISTON. JOHN W. CORSER, Los Angeles, Calif. Filed May 16, 1921. Serial No. 470,148. 3 Claims. (Cl. 74—108.)



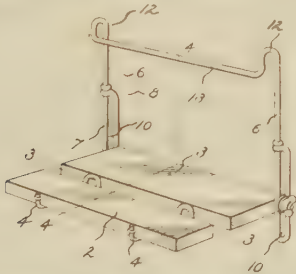
1. A piston comprising an imperforate skirt and a head, a wrist pin ring having aligned bushing openings and slits extending peripherally across said openings to allow for contracting them, said skirt having inner supporting means for attachment thereto of said ring, a disk interposed between said ring and said supporting means, bushings in said openings, and bolts extending through said ring and secured to said supporting means whereby to attach said ring to said supporting means and contract said openings for locking the bushings in place.

- 1,462,085. NONINTERFERING SIGNAL DEVICE. LEWIS DEGEN, Berkeley, Calif. Filed Aug. 23, 1920. Serial No. 405,455. 7 Claims. (Cl. 177—361.)



1. In a fire alarm box, the combination of a signalling train having a signal transmitter provided with a character wheel and a make and break, a resistance in circuit with said make and break, said signal transmitter including contact means operated by said character wheel to short circuit said resistance when said train is normally stopped and for an interval after starting of the train, a stop to lock said train, a catch for said stop, means normally holding the latter so as to stop said train, an electro-mechanical means in circuit with said make and break and controlling said catch so that when said resistance is short circuited said catch will be moved to release said stop means and to hold said catch in release position after said train has moved said interval and during a round of signals.

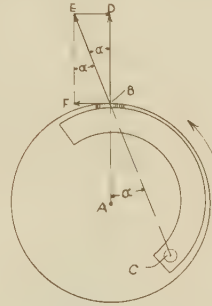
- 1,462,086. LADDER ATTACHMENT. PHILANDER M. ECHLIN, Toronto, Ontario, Canada. Filed Oct. 13, 1922. Serial No. 594,340. 1 Claim. (Cl. 304—34.)



The combination with a ladder, of a foot support therefor, comprising a platform made up of spaced boards, U-shaped brackets connecting the boards and designed to rest on one of the rounds of the ladder, a hanger formed from a single strand of wire, said hanger having its arms at their lower ends bent upon themselves to provide yokes, elements secured to the platform passing through the yokes, adjustable binding elements engaging the last mentioned elements and contacting with the members of the yokes, said hanger having its arms at their upper ends bent to provide hooks to engage another round of the ladder, and a connecting element between the hooks.

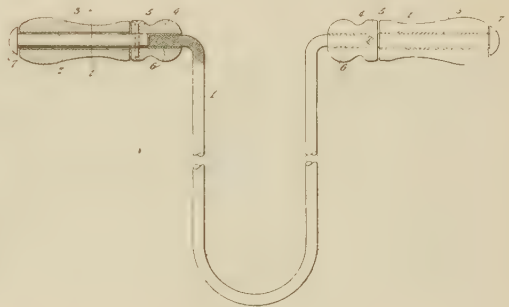
- 1,462,087. CENTRIFUGAL GOVERNOR. CHARLES J. HENDRICKSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 28, 1921. Serial No. 503,842. 4 Claims. (Cl. 188—184.)
3. A centrifugal governor comprising a stationary member having an annular surface, a rotatable member

comprising a fly-weight, a friction stud for frictionally engaging said annular surface and so placed upon the



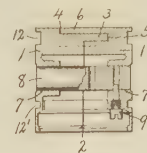
fly-weight that any driving force in excess of that required to maintain a predetermined speed of operation is substantially opposed by the frictional retarding force.

- 1,462,088. JUMP ROPE. GEORGE C. LA SARES, Springfield, Mass., assignor to C. E. Bradley Corporation, Brattleboro, Vt., a Corporation of Vermont. Filed Feb. 15, 1922. Serial No. 536,800. 3 Claims. (Cl. 46—30.)



1. A jump rope construction, having in combination, with the rope, of handle members formed with openings therein, devices loosely mounted in the openings of the handle members, devices formed to receive the loosely mounted devices in the openings of the handles, means for securing the two devices together, the second mentioned devices serving to secure the ends of the rope thereto, whereby when the rope is rotated the handle members will remain stationary and the loosely mounted devices therein will turn with the rope as described.

- 1,462,089. SPLIT PISTON FOR INTERNAL-COMBUSTION ENGINES AND ANALOGOUS USES. GEORGE THOMAS LEWIS, Middleville, N. Y. Filed Sept. 19, 1922. Serial No. 589,096. 3 Claims. (Cl. 74—108.)



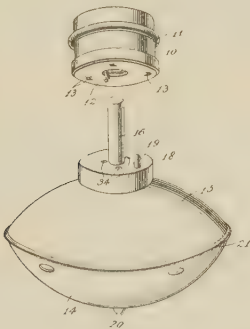
1. A piston composed of opposite sections, a coupling pin extending diametrically through both sections at substantially right angles to the plane of their meeting edges, the meeting sides of the head end of each section being provided with a laterally projecting tongue and a groove, the tongue of each section being slidable in the groove of the other section.

1,462,090. TOY. FRANK L. LINDSTROM, Bridgeport, Conn. Filed Jan. 21, 1922. Serial No. 530,779. 5 Claims. (Cl. 46—40.)



1. A toy of the character described, comprising a body and a differential winding drum mounted therein, said winding drum consisting of a pair of pulleys connected to turn with each other, and one of said pulleys consisting of a plurality of stampings including a cup shaped member having an annular pulley face and an integral bottom having a central perforation forming a bearing for the pulley, and a flange plate secured at the open side of said cup shaped member and having a central perforation forming a second bearing for the pulley spaced from said first bearing, and a shaft supported by said body and engaging said bearings.

1,462,091. SPINNING TOP. FRANK L. LINDSTROM, Bridgeport, Conn. Filed Jan. 21, 1922. Serial No. 530,780. 7 Claims. (Cl. 46—32.)



1. A top body comprising a lower section having a centrally arranged spindle, an upper section, a supporting member having its opposite edges fastened between said sections, and a stem, the body portion of which is fitted in a centrally arranged hole in the upper section and the lower end of which is associated with the supporting member, said stem being arranged directly above and in alignment with said spindle.

1,462,092. VACUUM VESSEL, SLAB, PARTITION, AND OTHER DOUBLE-WALLED VACUUM STRUCTURE. ARTHUR JOHN ROACH-CUMING, London, England. Filed Nov. 19, 1919. Serial No. 339,131. 2 Claims. (Cl. 220—9.)

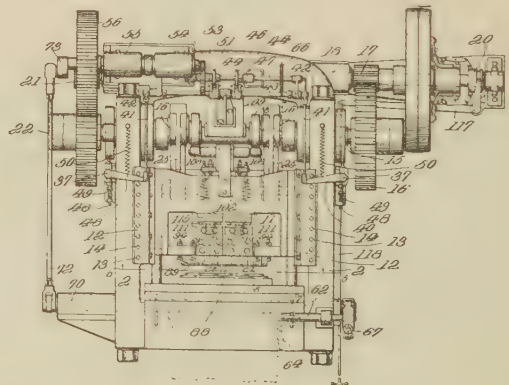


1. A heat insulating device comprising a vacuum chamber having walls formed of metal, the vacuum-facing surfaces of said walls being coated with a substance for preventing the discharge of material from said surfaces into the vacuous space in said chamber.

1,462,093. DETONATOR COMPOSITION. CHARLES E. WALLER, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed May 13, 1921, Serial No. 469,193. Renewed Apr. 4, 1923. 7 Claims. (Cl. 52—4.)

3. A primer composition comprising an oxidizing agent, a stabilizing agent, and nitrostarch in granules of an average size in excess of .045 mm.

1,462,094. GANG DIE PRESS. HARRY C. H. WALSH, Chicago, Ill., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Dec. 9, 1920. Serial No. 429,395. 24 Claims. (Cl. 164—88.)



1. A die press comprising a gang of similarly formed dies, means for reciprocating said dies, means for feeding a sheet step by step to said dies, and means for suspending the movements of any one of said dies when the same overlies the edge of the sheet.

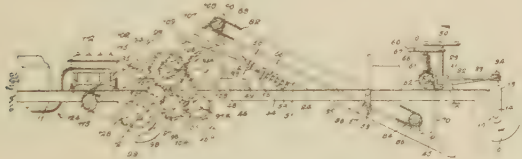
1,462,095. SHOE OR BOOT. ELI H. WIEL, San Francisco, Calif., assignor to Buckingham & Hecht, San Francisco, Calif., a Corporation of California. Filed Feb. 4, 1922. Serial No. 534,092. 2 Claims. (Cl. 36—11.)



1. A boot or shoe having a one piece vamp and having an exterior U-shaped reinforcing stay fastened along the sides and across the toe of the vamp.

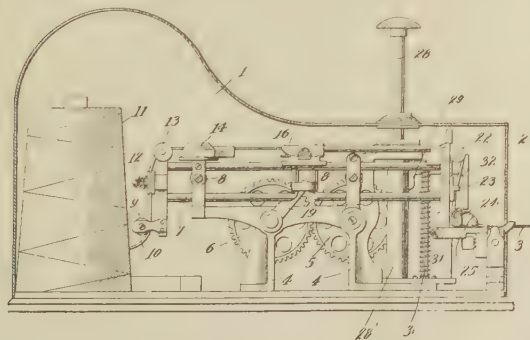
2. A boot or shoe having quarters and a one piece vamp which are connected together by seams and having an exterior U-shaped reinforcing vamp stay secured along the sides and across the toe of the vamp and extending along and covering and protecting the seams which connect the vamp and quarters.

1,462,096. MACHINE FOR REMOVING AND CRUSHING ROCK. PETER HENRY WIERTZ, New York, N. Y. Filed June 21, 1922. Serial No. 569,878. 4 Claims. (Cl. 262—10.)



3. In a machine for removing and crushing rock, in combination, a bed, a shovel, a carrier operably mounted on top of the bed for conveying to the rear of the bed rock received on the shovel, rotatable crushers under the carrier for receiving and crushing rock delivered by the carrier, and mechanism operative for driving the carrier and to rotate the crushers.

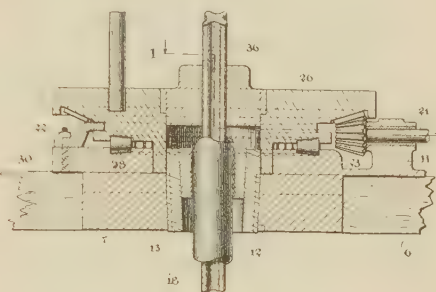
1,462,097. TWINE-CUTTING DEVICE. SHIGETARO YAMADA, Honolulu, Territory of Hawaii. Filed June 11, 1921. Serial No. 476,786. 6 Claims. (Cl. 30—14.)



1. A machine of the character described, comprising a base, reciprocating twine feeding means carried thereby, a knife adapted to sever twine interposed in the path thereof, a hand operated rod for actuating said knife, and

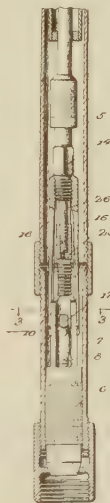
means operated by said rod for moving the twine feeding means to cause the end portion of the twine to be fed forwardly, said actuating means comprising meshing gears operated by the rod, and a crank arm connected with one of the gears and engaging the reciprocating twine feeding means for moving said feed upon the actuation of the gears.

1,462,098. DRILLING MACHINE. HARRY C. BREWSTER, Shreveport, La. Filed Sept. 19, 1921. Serial No. 501,702. 7 Claims. (Cl. 255—23.)



1. A drilling machine comprising skids, a sub-bed having attaching members imbedded in said skids, a main bed arranged above the sub-bed and having gripping devices.

1,462,099. FISHING TOOL. CHARLES H. BROWN, Breckenridge, Tex. Filed Oct. 29, 1921. Serial No. 511,366. 4 Claims. (Cl. 294—86.)

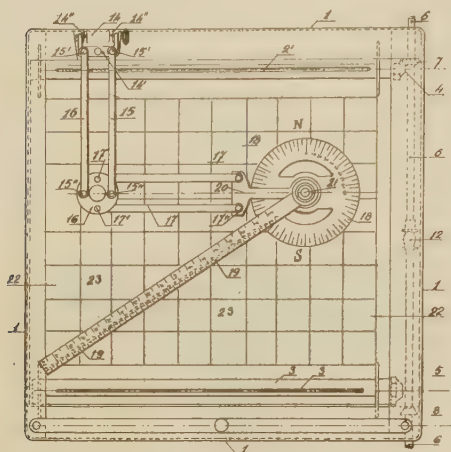


1. A fishing tool comprising a head having a plurality of forwardly directed arms provided with inwardly directed flat barbs adapted to be received within the slots of a valve cage, the forward terminal portions of said arms and said barbs being beveled whereby to spread the arms upon being engaged with the valve cage, and adjustable means to limit the forward movement of said arms, said adjustable means being rotated between and protected by said arms.

1,462,100. DEVICE FOR DETERMINING THE COURSE ON FLYING MACHINES. GIANNI CAPRONI, Milan, Italy. Filed May 28, 1919. Serial No. 300,274. 3 Claims. (Cl. 35—6.)

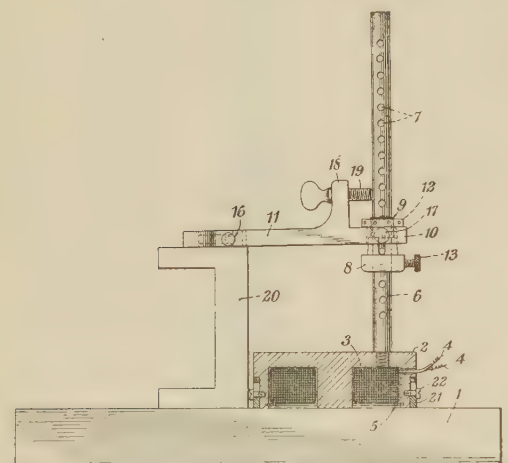
1. A device of the character described including a casing having a transparent top provided with graduated lines dividing said transparent top into a number

of squares, a map movably mounted in said casing beneath said transparent top, a deformable double parallelogram device mounted on said casing and bearing



against said transparent top, a protractor and a rule attached to the movable end of said parallelogram device, and means to permit said parallelogram device to be raised from said transparent top.

1,462,101. TOOL. ERICK G. COLSON, Glen Morris, N. Y. Filed Jan. 19, 1921. Serial No. 438,494. 5 Claims. (Cl. 90—59.)

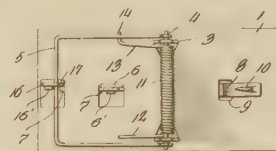


1. A tool adapted for use on magnetizable surfaces, comprising a base, an electromagnetic coil associated with the base, and adapted when energized to hold the base in engagement with a magnetizable surface, and a tool support carried upon the base and movable independently thereof with definite guidance with relation to work.

1,462,102. TRAP FOR CAPTURING ANIMALS. ARVY B. DODSON, Longton, Kans. Filed Nov. 15, 1921. Serial No. 515,363. 1 Claim. (Cl. 43—81.)

In combination, a platform, a spring actuated animal engaging element associated therewith, a trip arm fulcrumed on the platform, a dog fulcrumed on the platform and having one end formed so as to engage the

animal engaging element for holding it in an inoperative position and an extension formed on its other end with a notch provided therein for receiving an end of



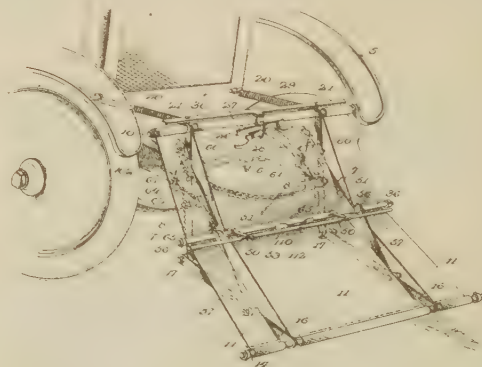
the trip arm, and a spring element mounted on the dog so as to press against the said end of the trip arm so as to normally hold it in the said notch.

1,462,103. VEHICLE TRAILING DEVICE. LOUIS ERICKSON, La Crosse, Wis. Filed July 5, 1921. Serial No. 482,398. 1 Claim. (Cl. 280—33.5.)



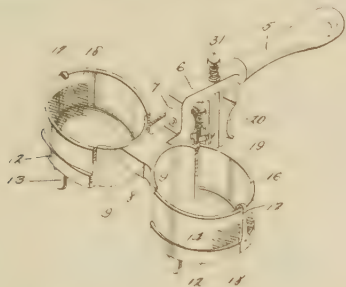
A device for attaching a towing bar to a towed vehicle including a U-shaped bracket, an engaging casting pivotally mounted in the bracket and including a plate, and a hook member, said plate and hooked member diverging from each other, and a set screw mounted in the plate.

1,462,104. AUTOMOBILE FENDER. SAMUEL G. FITZSIMONS, Charleston, S. C. Filed Mar. 19, 1923. Serial No. 626,070. 7 Claims. (Cl. 293—41.)



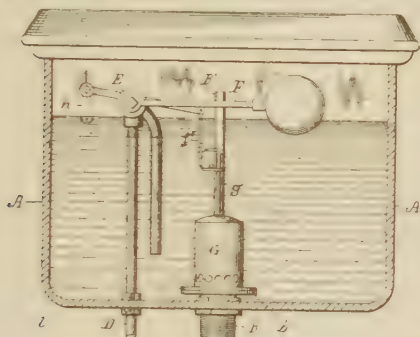
1. An automobile fender comprising a pair of main levers having means whereby the same may be pivoted intermediate their ends to a motor vehicle, a roller carried by the terminal portions of said levers, supporting arms pivoted to the lower portions of said levers, a second roller carried by the outer terminal portions of said arms, and links connected to said arms and to said levers, a contact bar carried by said links, and a curtain connected to said rollers.

- 1,462,105. DEVICE FOR COOKING UTENSILS. JOHN J. HART, Omaha, Nebr. Filed Oct. 14, 1921. Serial No. 507,602. 14 Claims. (Cl. 53—1.)



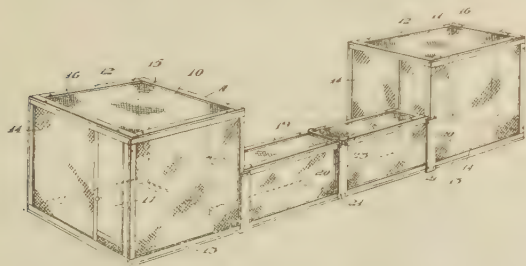
7. An egg poacher comprising a support, a receptacle tiltable connected thereto and having an opening in a side thereof through which an egg is discharged, means for tilting the receptacle, and means carried by the support for closing the opening when the receptacle is arranged in its normal position.

- 1,462,106. MEANS FOR CONTROLLING FLUSH-TANK VALVES. EDWARD G. HEDGES, Newark, and WALTER W. HEROX, Bloomfield, N. J. Filed May 14, 1921. Serial No. 469,546. 4 Claims. (Cl. 4—5.)



1. The combination, with a tank-outlet having a seat, of an inverted water-chamber above the seat with an air-passage at its top and water-inlet near the seat, a float-valve movable within the water-chamber, a rod attached to the top of the float-valve and extended loosely through the air-passage, and the float-valve having an air-valve fitted to close the air-passage, the confined water-column operating during the entire emptying of the tank to maintain and press the air-valve against the air-passage until the tank is emptied, such emptying admitting air to the water-inlet near the seat and causing the sudden automatic dropping of the float-valve to the seat, to permit the refilling of the tank.

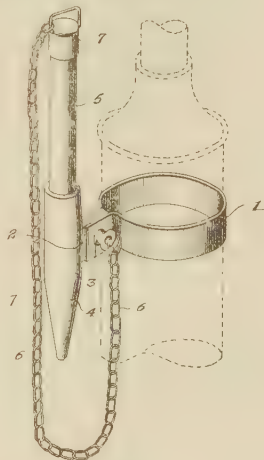
- 1,462,107. FOX PEN. HARRY TINSON HOLMAN, Summerside, Prince Edward Island, Canada. Filed July 5, 1922. Serial No. 572,966. 3 Claims. (Cl. 119—20.)



1. A fox pen comprising two separated portable cages connected by a portable runway, the whole constituting a

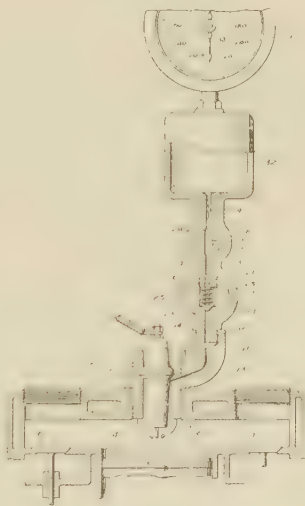
plurality of demountably constructed sections covered inwardly as to the sides, top and bottom with wire netting, doors for separating the cages and sliding door means for separating the runway sections.

- 1,462,108. TELEPHONE PENCIL HOLDER. HAROLD S. HOLYWELL, Brooklyn, N. Y. Filed Nov. 14, 1922. Serial No. 600,973. 1 Claim. (Cl. 120—108.)



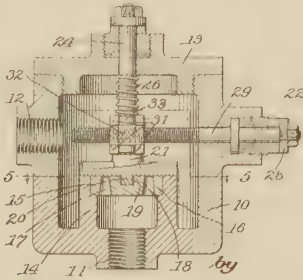
A pencil holder of the kind stated, comprising a circular band to place around the telephone instrument or fixture, opened at the end, screwed together to hold the circular band around the telephone instrument, at the end of which hangs a cone-shaped pocket, into which is placed the point of the pencil when not in use, and which pencil is attached to the end of the circular band by a chain.

- 1,462,109. PRESSURE INDICATOR. MICHAEL SULLIVANT HOPKINS, Columbus, Ohio. Filed Apr. 11, 1922. Serial No. 551,601. 8 Claims. (Cl. 73—31.)



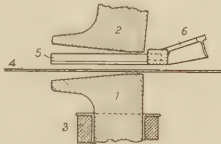
1. In an apparatus of the class described, the combination with a pressure gauge, of means to connect said gauge with the combustion chamber of an internal combustion engine, means to limit the influence upon said gauge of the gases within the combustion chamber to optionally selected periods of the cycle of operation of the engine, and means to select the period of said cycle which shall influence said gauge.

1,462,110. VALVE. JACOB T. HOSTETTER and FREDERICK J. KEISER, Sharon, Pa. Filed Aug. 18, 1922. Serial No. 582,827. 1 Claim. (Cl. 251—84.)



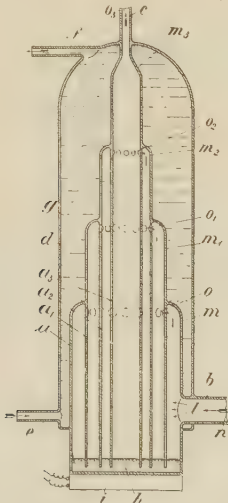
A valve including a casing having a fluid inlet, and outlet, an apertured valve seat within the casing, a valve movable on said seat to cover and uncover the aperture therein, and means to move said valve, said means including a shaft rotatable at right angles to the axis of the valve, and a swinging member movable by said shaft carrying a threaded trunnion.

1,462,111. MAGNETIC SEPARATOR. AUGUST F. JOEKE, Pittsburgh, Pa. Division after grant of application Serial No. 230,604, filed Apr. 24, 1918. This application filed May 29, 1922. Serial No. 564,576. 8 Claims. (Cl. 83—71.)



1. In a magnetic separator a separating member movable between upper and lower magnet poles, having its largest dimension and a lower collecting edge at an angle to the direction of the flow of ore and to a radius from the axis of its movement, and its smallest dimension in a direction at right angle thereto and to the flux and in the direction of its movement.

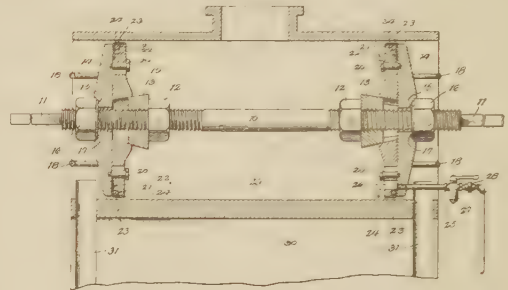
1,462,112. MERCURY-VAPOR PUMP FOR HIGH VACUUMS. JULIUS JONAS, Meierhof, Baden, and OSKAR SEITZ, Oberer Kappelerhof, Baden, Switzerland, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Filed June 6, 1921. Serial No. 475,486. 11 Claims. (Cl. 230—13.)



1. A mercury vapor pump for obtaining high vacuums, including a closed vessel containing mercury, a pipe for

connection to a preliminary vacuum pump, and a pipe for connection with the receiver, i. e., the chamber to be exhausted, a chamber in which the mercury is heated by a heating device, a cooling device for condensing the mercury vapor, characterized by the feature that above the heating chamber there is provided as a guide for the ascending vaporized mercury and also for the falling drops of condensed mercury, an internally unobstructed tube at the upper end of which is located the connection to the preliminary vacuum pump, whilst the connection to the receiver is made at the lower end of said tube; the cooling device being located between these two points of connection.

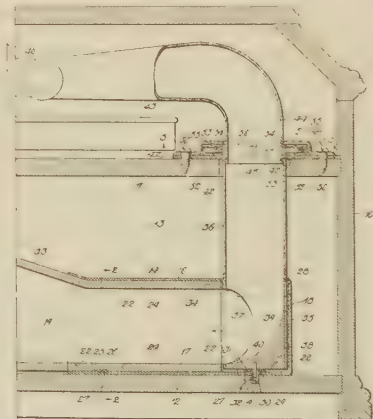
1,462,113. TEMPORARY END CLOSURE FOR LOCOMOTIVE VALVE CHAMBERS. OSCAR KUHNER, Columbus, Ohio. Filed Oct. 14, 1920. Serial No. 416,793. 9 Claims. (Cl. 137—76.)



1. A device of the character described including a body bar, a head upon the bar, radially movable segmental clamps carried by said head, a ring surrounding the clamps of each head, a gasket surrounding said clamps and overlying the ring, and means for shifting the clamps radially.

8. The combination with a locomotive valve chamber, of means for temporarily closing the chamber at its ends, and means associated with the first means for draining the chamber.

1,462,114. TALKING MACHINE. BERT EDWARD LANE, Camden, N. J. Filed June 12, 1919. Serial No. 303,649. 3 Claims. (Cl. 274—2.)



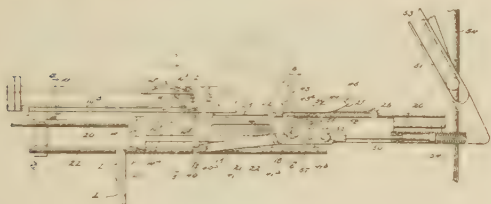
1. A talking machine including a unitary amplifying horn housing having two holes in alignment with each other and positioned one above the other; a sound conducting tube entering said housing through the upper one of said holes; and means providing a pivotal thrust bearing for said tube and positioned within the other of said holes; substantially as described.

- 1,462,115. VALVE-TESTING DEVICE. WILBERT E. LAUSTER, Yatesboro, Pa. Filed Aug. 19, 1921. Serial No. 493,691. 3 Claims. (Cl. 73—51.)



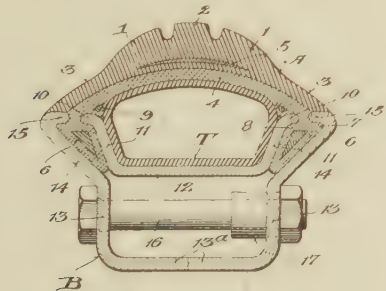
1. A valve testing device for automobile engines comprising a cylinder having one end closed and the other end opened, said open end being provided with packing on its face, an automobile tire valve connected under and opening into said cylinder, an air gauge carried by the cylinder, and a bar extending diametrically through the axis of the cylinder and slidable in the direction of its length, said bar being provided with openings at its end for the reception of holding down bolts.

- 1,462,116. ASSEMBLING AND TRANSFER MECHANISM. FREDERICK W. LETSCH, Baltimore, Md. Filed Nov. 12, 1920. Serial No. 423,698. 24 Claims. (Cl. 199—29.)



1. In a mechanism of the kind described, means for receiving and supporting matrices to form a line, a transfer slide, a finger pivotally mounted on said slide and arranged to press constantly against the front matrix of a line while the line is being assembled and transferred, resilient means for yieldingly pressing said finger against the matrices, a second finger connected to and movable bodily with said slide and adapted to be positioned to support the rear end of an assembled line, and means to bodily move said slide and fingers to transfer the assembled line.

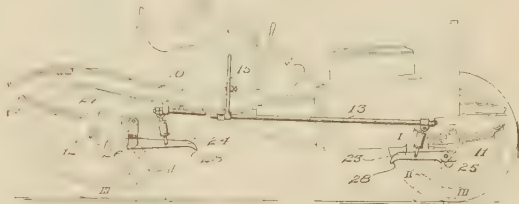
- 1,462,117. TIRE AND RIM CONSTRUCTION. CHARLES N. MCCLINTOCK, Elwood, Ind. Filed Mar. 3, 1922. Serial No. 540,777. 3 Claims. (Cl. 152—20.)



1. A combined tire and rim construction for vehicle wheels including a casing having clincher beads formed at opposite edges thereof and providing inner and outer shoulders, and also having wings formed at the edges of the tread for overlying the outer shoulders of the beads, an inner floating ring engaging with the inner shoulders

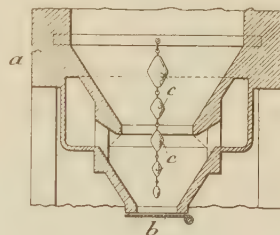
of the beads, and a rim consisting of separable sections and each having inturned clincher flanges for engaging the outer shoulders of the beads and lying beneath the said wings.

- 1,462,118. THEFT-PREVENTING DEVICE FOR AUTOMOBILES. JOHN McMULLEN, Butte, Mont. Filed Aug. 20, 1921. Serial No. 493,976. 6 Claims. (Cl. 188—6.)



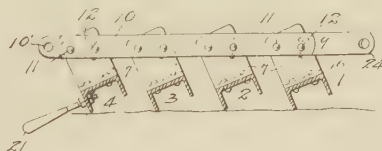
1. A brake for automobiles, comprising a swinging arm having a journal mounted parallel with, and eccentrically to, the wheel axle and below said axle, a lever journaled on the frame of the automobile to swing transversely to the length direction of the automobile, said lever having an inoperative and an operative position, a connection between said lever and said arm for giving said arm a limited angular movement, the end of said arm extending beyond the periphery of the wheel.

- 1,462,119. ARRANGEMENT IN COKE CONTAINERS OR THE LIKE. ARNOLD MOETTEL, Oberwinterthur, Switzerland. Filed Jan. 19, 1922. Serial No. 530,485. 3 Claims. (Cl. 259—38.)



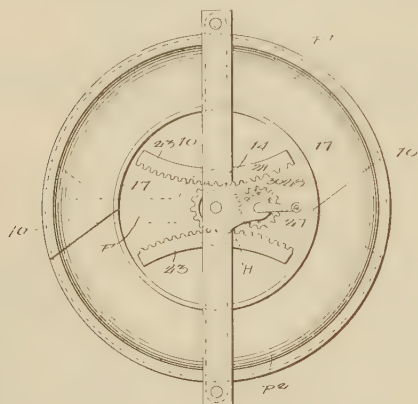
1. In a coke cooling apparatus means for preventing bridging of the contents and clogging the container outlet, comprising at least two pendulum bodies arranged at different points in the apparatus and connections between said pendulum bodies for mutually imparting to each of said bodies movements produced by the action of the coke on another of said bodies.

- 1,462,120. LAND LEVELER. WILLIAM H. MONROE, San Jose, Calif. Filed Aug. 1, 1922. Serial No. 578,945. 3 Claims. (Cl. 55—22.)



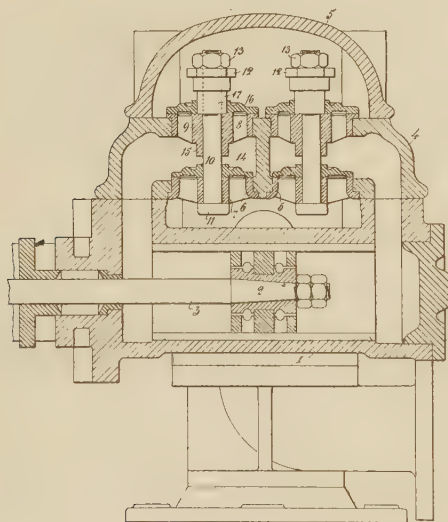
2. The combination with a series of transversely arranged channel-beam scrapers including a scraper having rearwardly extending teeth, of a plurality of brackets on each scraper arranged in rows, longitudinally disposed draft bars and an intermediate bar above said scrapers, a bolt connecting each bracket with a bar and adapted to form a pivot and a second bolt for each bracket adapted to form a clamp bolt.

1,462,121. SEPARATOR. MERLE M. NEWTON, Colorado Springs, Colo. Filed Apr. 18, 1922. Serial No. 554,433. 14 Claims. (Cl. 233—27.)



1. In a separator of the character described, a helical shaped pan, means for supporting said pan for rotation upon its normal axis as a center, and means for adjusting the pan with relation to the axis of rotation.

1,462,122. VALVE DEVICE FOR DUPLEX PUMPS. HANS PETER PETERSEN, Copenhagen, Denmark, assignor to Glent & Hassenkamm Ltd., Copenhagen, Denmark, a Corporation of Denmark. Filed July 6, 1921. Serial No. 482,844. 6 Claims. (Cl. 277—60.)

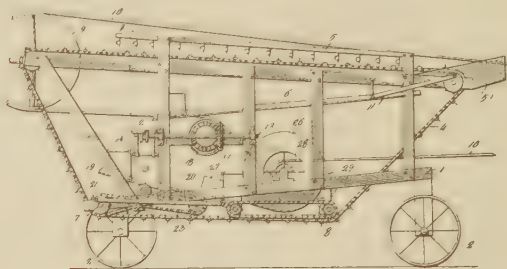


1. In combination, a valve box, superposed valve seats arranged in said box, opposed stop members carried by said seats and engaging portions of the box, adjustable securing means passing through the valve box and arranged to draw the stop members against the box whereby to clamp the seats in position, said seats being respectively removable from the top and bottom of the box, and valves associated with said seats.

1,462,123. PEANUT PICKER. THEOPHILUS I. PHELPS, Woodville, N. C. Filed Apr. 27, 1920. Serial No. 377,080. 3 Claims. (Cl. 130—30.)

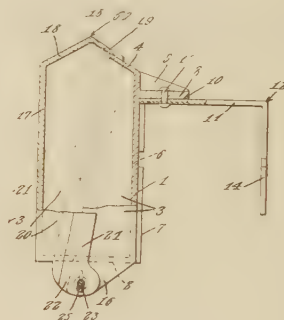
2. A peanut cleaning machine comprising a conveyor having upper, lower, front and rear runs, shafts and

sprockets for the corners of the conveyor, means cooperating with the upper run of the conveyor to provide a picking mechanism, a vibrating table disposed below the picking mechanism, a reciprocating stemming mechanism ar-



ranged beneath the vibrating table, and a pitman connected to each vibrating and reciprocating mechanism, said pitman being connected to diagonally disposed sprockets of said conveyor.

1,462,124. CUT-OUT BOX. ALFRED LAWRENCE PIERCE, Wallingford, Conn. Filed Apr. 16, 1920. Serial No. 374,409. 1 Claim. (Cl. 247—7.)

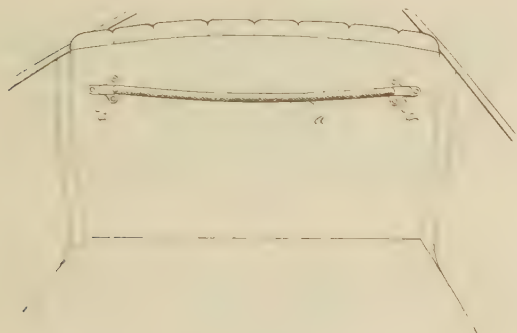


In a cut out box, a back comprising a rear wall, a bottom, sides and a downwardly and rearwardly inclined top; and a front comprising a forward wall, a bottom, sides and a top including a downwardly and rearwardly inclined portion, and pivot means connecting the lower portion of the back with the lower portion of the front, the sides of the front being overlapped on the sides of the back, and said portion of the top of the front being overlapped on the outer surface of the top of the back, the downward and rearward inclination of the top of the back, and the downward and rearward inclination of said portion of the top of the front serving to prevent the front from swinging downwardly to an open position on the pivot means, the pivot means embodying a lost motion connection, whereby the front may be raised, thereby to permit said portion of the top of the front to be disengaged from the top of the back, and to permit the front to be swung to an open position.

1,462,125. CORD ANCHOR. PAUL RISSMANN, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed May 18, 1921. Serial No. 470,647. 5 Claims. (Cl. 24—265.)

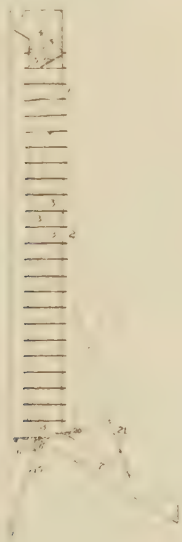
1. In a support for trimmed cords, the combination of a fixture for securing to a support and comprising a plate having a boss raised at its center and provided with an opening at one end of the boss into the hollow interior, a

trimmed cord passing through said opening, and a two-part clamp secured and clinched on the end of the cord



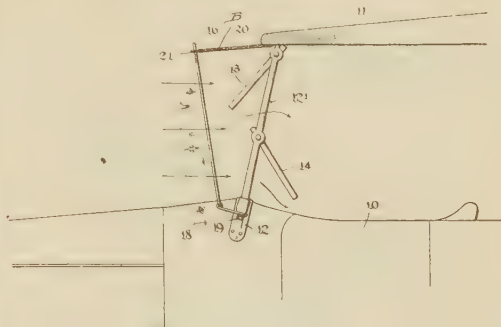
and shaped to prevent being drawn through said opening, said clamp contained within the interior of said boss for anchoring the cord and clamp within the fixture.

1,462,126. DISCHARGING CONVEYER. JOHN ROSS, Philadelphia, Pa. Filed May 5, 1921. Serial No. 467,004. 5 Claims. (Cl. 193—27.)



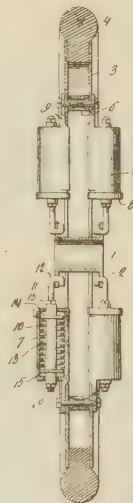
1. In an apparatus of the character stated, an upright rigid self-supporting tubular conduit of a height approximating several stories of a building and having its interior provided with a large number of oblique oppositely projecting floors arranged at intervals from top to bottom and providing a zigzag passageway in which the bottom of any oblique floor is above the top of the next lower oblique floor, the upper end of the tubular conduit immediately above the uppermost oblique floor provided with a normally open hopper-like structure for at all times receiving the material to be handled, and the bottom of the upright tubular conduit provided with a discharging orifice having controlling means for regulating the discharge, the said conduit divided into separable sections detachably connected one above the other and each section having one of the oblique floors extending part way across the passageway therethrough and providing a throat at the bottom.

1,462,127. SHIELD. ALBERT C. SANDERS, Helena, Ark. Filed Aug. 30, 1921. Serial No. 496,810. 5 Claims. (Cl. 296—95.)



2. In combination, a motor vehicle having a top, a reticulated sheeting supported forward to the driver's seat of the motor vehicle, and a sun reflecting sheeting extending between the upper end of the reticulated sheeting and the top of the motor vehicle.

1,462,128. VEHICLE WHEEL. JOHN L. STOLTZ, Sumner, Ill. Filed Jan. 12, 1922, Serial No. 528,705. Renewed Jan. 30, 1923. 4 Claims. (Cl. 132—47.)

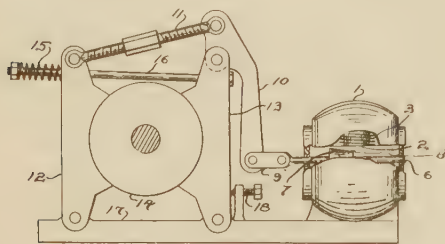


3. A wheel comprising in combination, a hub, a felly, spokes connecting the hub to the felly, each spoke comprising a cylinder having its outer end closed and provided with an aperture, a removable apertured cap on its inner end, a rod extending through the cylinder and through the apertures in its closure and in the cap, said rod being provided with a threaded shank, a sleeve longitudinally adjustable on the rod, washers slidable on the sleeve within the cylinder, and springs mounted between said washers.

1,462,129. ELECTROMAGNET. ERNEST B. THURSTON, Toledo, Ohio, assignor to The Haughton Elevator & Machine Co., Toledo, Ohio, a Corporation of Ohio. Filed Sept. 30, 1921. Serial No. 504,457. 15 Claims. (Cl. 175—338.)

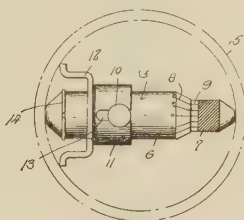
3. The combination with a hollow core of converging windings disposed on said core, a polyphase electric current supply for the windings for the production of

a rotating magnetic field, and a cylindrical plunger magnetized to effect relative pulling into position within said hollow core.



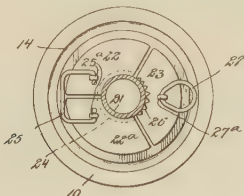
9. The method of controlling a plunger as to its core of an alternating current solenoid having a tapered portion and a straight portion, which comprises establishing a rotating magnetic field by supplying a polyphase current thereto, having the tapered portion within the influence of said field and the straight portion beyond the influence of said field when the plunger is in its inoperative position, and directing shifting to bring the plunger into a magnetically balanced position of rest in said field.

1,462,130. MICROMETER CALIPER. LAWRENCE O. BEARD, Lancaster, Pa. Filed Sept. 6, 1922. Serial No. 586,515. 3 Claims. (Cl. 33—178.)



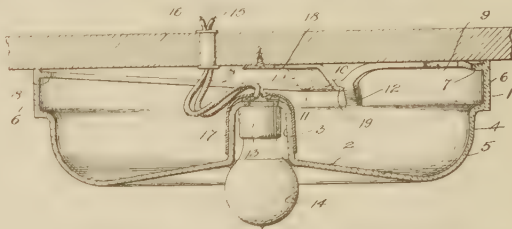
1. A micrometer-caliper comprising a plate having parallel side portions, a tubular guide member on said plate, a sleeve slidably mounted in said guide member and extending through said plate, and a measuring spindle threaded in said sleeve whereby relative rotation between the spindle and the sleeve will adjust the spindle longitudinally of the sleeve, said sleeve and said spindle having cooperating graduations thereon.

1,462,131. CASING HEAD. CLEM S. CLARKE, Shreveport, La. Filed May 26, 1921. Serial No. 472,763. 3 Claims. (Cl. 24—263.)



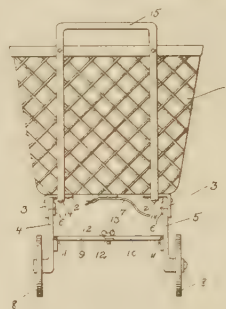
3. The combination with a well casing head having a tapered bore, of a plurality of tapered well tube gripping segments received in the bore, a member pivotally connected with the upper faces of a plurality of segments, and a loop pivotally connected with the upper face of another segment.

1,462,132. ELECTRIC-LIGHTING FIXTURE. HARRY W. CORDINGLY, Fredericksburg, Ohio, assignor to Daisy Cordingly, East Liverpool, Ohio. Filed Aug. 26, 1922. Serial No. 584,435. 3 Claims. (Cl. 240—78.)



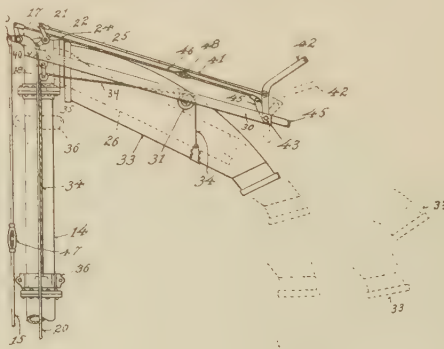
1. In a ceiling light fixture, a pan, guide flanges carried thereby, said flanges having seats associated therewith, spring arms carried by the ceiling for yieldably and detachably engaging said seats and means for limiting the rotary movement of the pan in one direction.

1,462,133. PORTABLE CLOTHES BASKET. THEODORE GLOCK, Webster, Wis. Filed June 24, 1921. Serial No. 480,151. 2 Claims. (Cl. 280—39.)



1. A clothes basket comprising a basket body, a base secured to the bottom thereof and having depending sides, wheels swingingly supported to swing to a folded position between the sides, a single strap for holding the wheels in such position, a two part foldable brace, said parts having an interfitting connection at their ends when extending and a bolt for locking the parts when extended.

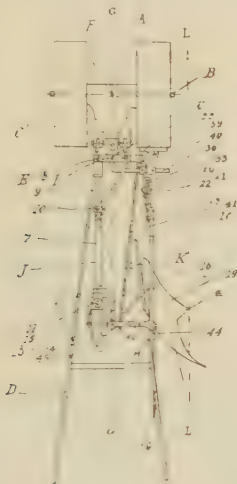
1,462,134. LOCOMOTIVE WATER COLUMN. WALLACE M. GRAY, Cincinnati, Ohio. Filed Mar. 1, 1920. Serial No. 362,224. 4 Claims. (Cl. 137—21.)



1. A locomotive water column comprising a column, a detachably mounted elbow section at the head of said column provided with projections for the attachment of spout supporting arms valve actuating rods and a column locking rod, a pair of spout supporting arms attached rigidly to said elbow and projecting laterally and down-

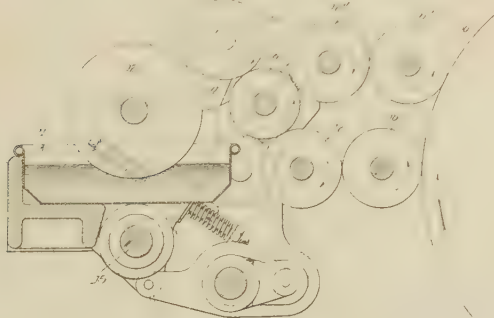
wardly therefrom, a sheet metal spout section projecting laterally and downwardly from said elbow section, intermediate of said supporting arms an adjustable sheet metal spout section telescopically adjustable upon and exteriorly of said stationary spout section and counterbalanced relative to said column, and valve actuating means and column locking means mounted upon said supporting arms.

1,462,135. ANTISIDE-DRAFT PLOW. PAUL HANSMANN and HERMAN STRACK, Long Prairie, Minn. Filed Feb. 14, 1921. Serial No. 444,949. 6 Claims. (Cl. 97-199.)



1. A plow hitch for use in connection with tractors comprising, a draw head adapted to be attached to the rear of the tractor, a plow having a jointed beam bendable upwardly, said plow positioned at one side of the center of draft of the tractor a distance at the rear of said draw head, a part of the plow above the rear portion of the plow share extending outwardly toward the center of draft of the tractor, a draw rod pivotally connected to said draw head and to said outwardly extending part of the plow, said draw rod extending diagonally rearwardly toward the center of draft of the tractor, and a tie rod pivotally connected to said plow beam and draw head and extending across said draw rod.

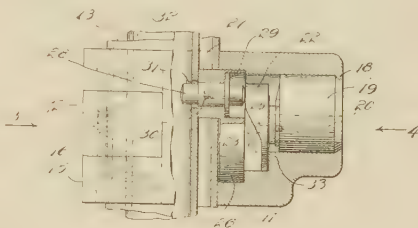
1,462,136. WATER DISTRIBUTOR FOR LITHOGRAPHING PRESSES. CARL HENDERSON, Oak Hill, Ill., assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 27, 1917. Serial No. 183,132. 5 Claims. (Cl. 101-148.)



1. In a mechanism for applying moisture to a plate on a rotary lithographing press, the combination of a water

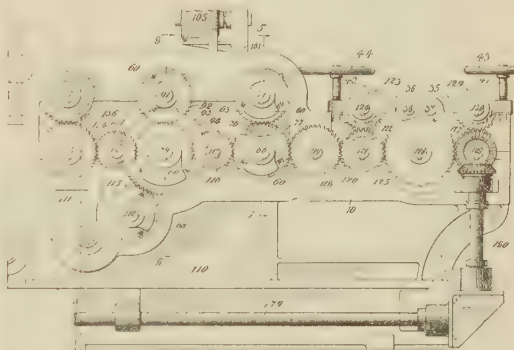
fountain, two distributing rollers adapted to engage said plate, and means for conveying a greater quantity of water from said fountain to that distributing roller which first engages said plate as the same passes from the impression position to the inking position.

1,462,137. AUTOMOBILE LOCK. ALBERT C. HILL, Chicago, Ill. Filed Nov. 25, 1921. Serial No. 517,455. 4 Claims. (Cl. 70-90.)



1. In a device of the class described, a block having a face arranged to engage a steering post and said face having a counterbore therein, a lock, a cam and a cover plate located in said counterbore, said plate having a boss projecting into the post to which the device is connected, a locking bolt supported in said plate, and means by which a key inserted in said lock will operate said cam to move said bolt.

1,462,138. MACHINE FOR MAKING FIBER SHINGLES. SAMUEL M. LANGSTON, Wenonah, N. J. Filed Apr. 22, 1922. Serial No. 555,936. 65 Claims. (Cl. 164-68.)

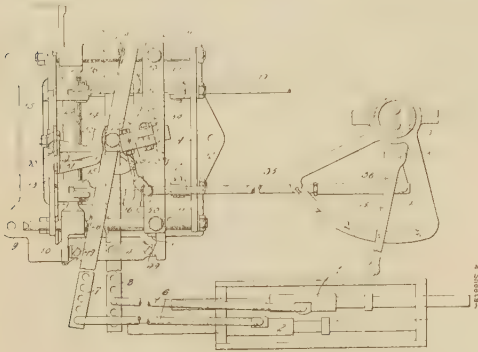


1. A machine for cutting multiple shingle strips from a prepared sheet of roofing material, each strip extending lengthwise of the sheet and having along one longitudinal edge thereof a plurality of narrow notches or recesses and interposed tabs simulating the ends of individual shingles, said machine including means for cutting a plurality of rows of transversely extending slots in the sheet, said rows extending longitudinally of the sheet and said slots being spaced at distances equal to the distances between the recesses or notches in the finished strip, cut off mechanism arranged beyond said means for severing said sheet transversely into sections, each of a length corresponding to the length of a finished strip, and means arranged beyond said cut off mechanism for separately slitting said sections in succession lengthwise along a plurality of lines.

1,462,139. GEAR-SHIFTING DEVICE. LAURITS A. LAURSEN, Eau Claire, Wis., assignor to James T. Joyce, trustee for United States Auto Gear Shift Company. Filed Mar. 9, 1921. Serial No. 450,858. 13 Claims. (Cl. 74-58.)

1. In a gear shifting unit of the type described, for application to different types of change speed gear mechanisms, the combination with gear actuating parts,

of locking means for holding either of said parts locked while the other is operative, and instrumentalities where-



by the said locking means may be rendered operative or inoperative at will without dismounting it from the device.

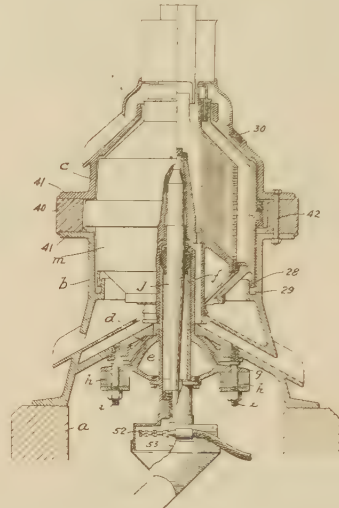
1,462,140. SYSTEM OF BOOKKEEPING. HAROLD J. LA WALL and CHARLES E. WETZEL, Philadelphia, Pa. Filed Jan. 6, 1922. Serial No. 527,311. 2 Claims. (Cl. 283—66.)

DAILY CASH BALANCE SLIP						
DEPARTMENT	A	B	C	D	E	F
CASH SALES						
a Cash in cash drawer (less change)						
b Cash paid out for Petty Expenses						
c Cash paid out for Money Returned						
d Tot. l (a+b+c)						
e Less Cash Paid on Act of Charge Sales						
f Gross Cash Sales for Day (d-e)						
g Less Cash Paid out for Money Returned						
A Net Cash Sales for Day (f-g)						
CHARGE SALES						
h Gross Charge Sales						
i Less Charge Sales Returned						
A Net Charge Sales for Day (h-i)						
k Total Sales for Day (A+i)						

1. In a system of bookkeeping, the combination of a daily cash balance sheet suitably ruled and appropriately designated to provide departmental columns with spaces for entry of designated cash and charge transactions occurring in each department; an invoice record sheet suitably ruled and with appropriate headings for the entry of invoice data thereon; a daily record sheet comprising a plurality of numbered, suitably ruled columns and headings therefor designating the particular account in which the expenditures for the day are to be entered, said daily record sheet also comprising a section suitably ruled, lettered and numbered for transfer thereto of the departmental transactions in summarized form from the daily cash balance record, suitable spaces with appropriate titles also being provided for balancing the cash and bank account at the end of each day; a monthly record sheet suitably ruled and designated for transfer thereto of items from the daily record sheet, a column containing the dates of the month being provided at one end of the sheet so that the entries for each day may be properly entered opposite its date, said monthly record sheet constituting a statement of all transactions for each day for a full month of the business; and a yearly summary sheet having an upper portion divided by suitable ruling into columns corresponding by number and heading to the columns of the monthly record sheet, the names of the months appearing in a column at the end of the sheet, opposite to which in the space provided therefor may be entered the item in the proper column as transferred from the monthly record, said yearly summary sheet also comprising sections suitably ruled and entitled "Monthly summary of accounts receivable," "Monthly comparison," "Summary of cash for the year," "Profit for year," and "Statement of assets and liabilities for year," suitable and self-explanatory directions and

titles being provided in the sections to enable the proper entries to be made therein as ascertained from said upper portion of the yearly summary, the monthly record and the invoice record.

1,462,141. BRAKING DEVICE FOR CENTRIFUGAL MACHINES. MEREDITH LEITCH, deceased, late of Poughkeepsie, N. Y.; by Lucy B. Leitch, administratrix, Gordonsville, Va., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Original application filed Apr. 22, 1920, Serial No. 375,735. Divided and this application filed July 8, 1921. Serial No. 483,192. 4 Claims. (Cl. 188—90.)



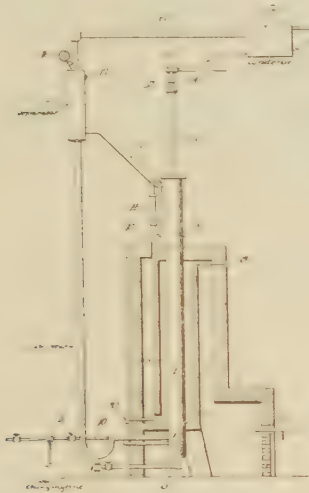
1. A centrifugal machine comprising a revoluble bowl having a spindle and a bowl casing closely surrounding the bowl, there being a liquid inlet to the space between the bowl and casing, there being an annular outlet surrounding the spindle, and means to retard escape of said liquid from said space, thereby stopping the bowl by liquid friction between the opposing walls of the bowl and casing.

1,462,142. ALARM CLOCK. PAUL LUX, Waterbury, Conn., assignor to Lux Clock Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Oct. 14, 1922. Serial No. 594,462. 9 Claims. (Cl. 58—16.)



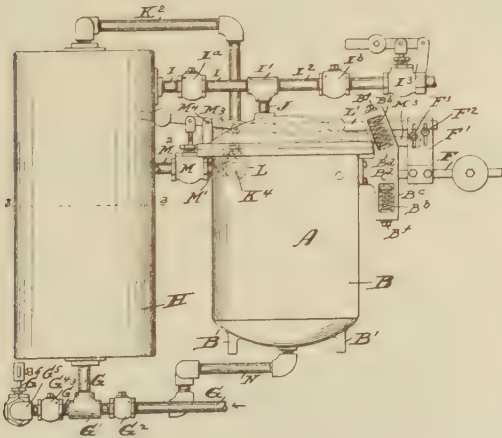
1. In an alarm clock, a casing, time-keeping and alarm-producing mechanism mounted in said casing, means for releasably locking said alarm-producing mechanism, and an indicating pointer in front of the dial of said clock to show whether said alarm-producing mechanism is locked or unlocked.

- 1,462,143. METHOD OF CRACKING HYDROCARBON OILS. FREDERICK T. MANLEY, Houston, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Oct. 10, 1917. Serial No. 195,775. 8 Claims. (Cl. 196—25.)



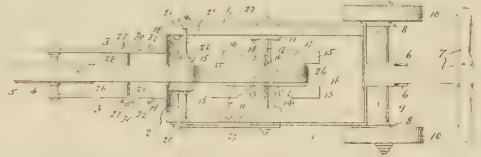
2. The continuous method of cracking hydrocarbon oils which comprises charging the oil into an elongated vertical still to maintain therein an extended column of liquid oil, maintaining said column of oil at a temperature and pressure sufficient for cracking, removing residue and vapors from the still to maintain a substantially constant liquid level therein, separating out the heavier constituents of said vapors and directly returning said constituents in cyclic passage through substantially the full length of the extended column of oil by positively forcing them into the bottom of the still.

- 1,462,144. STEAM TRAP. JOHN MOREHEAD, Detroit, Mich. Filed Dec. 30, 1920. Serial No. 433,989. 5 Claims. (Cl. 137—101.)



5. In a steam trap, a stationary chamber, a movable tank suspended within the stationary chamber, means for delivering water of condensation to the movable tank, means for delivering steam to the trap to force the water of condensation upwardly and out of the movable tank, a valve for controlling the delivery of steam to the trap and means for actuating said valve at predetermined intervals.

- 1,462,145. TENNIS-COURT MARKER. MICHAEL K. MURRAY, Bloomfield, N. J. Filed July 7, 1922. Serial No. 573,485. 7 Claims. (Cl. 91—54.)



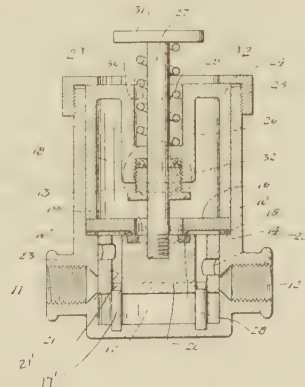
1. A tennis court marker, comprising a frame provided at its forward end with a central marker wheel and at its rearward end with a pair of laterally spaced traction wheels, a tank supported by said frame in the rear of said marker wheel, a rotatable dipping wheel within said tank, idler guide pulleys associated with the forward end of said tank, a marking belt arranged to run over said marker wheel, dipping wheel and idler guide pulleys, means for adjusting one of said idler guide pulleys to regulate the tension of said belt, a belt cleaning means supported from said frame intermediate said marker wheel and said tank to engage the return course of said belt, and means for retaining said cleaning means in either "in service" or "out of service" positions.

- 1,462,146. BLADE HOLDER. JOSEPH E. MYERS, Tacoma, Wash. Filed Aug. 6, 1921. Serial No. 490,207. 1 Claim. (Cl. 30—25.)



A blade holder consisting of resilient sheet metal bent back twice upon itself so as to form a double fold, one of said folds being in the form of a pocket to receive a blade, said holder having a part projecting in one direction from said folds to form a handle and another part projecting in the opposite direction from said folds and serving to hold a blade in said pocket.

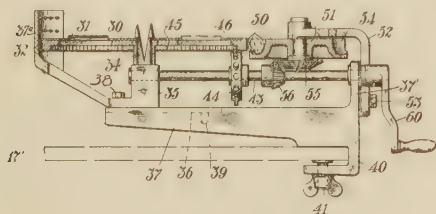
- 1,462,147. VALVE. LEO F. O'FLAHERTY and WILLIAM L. KIRKPATRICK, Elgin, Ill. Filed Mar. 31, 1922. Serial No. 548,338. 3 Claims. (Cl. 277—18.)



1. A mixing device including a casing having mixing and discharge chambers therein; a partition between

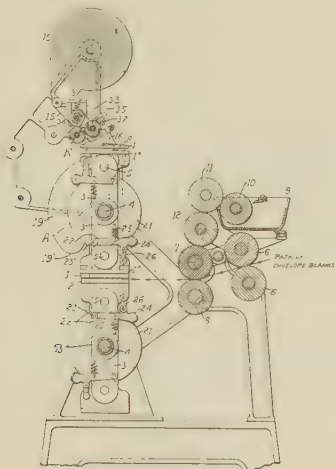
said chambers provided with a connecting aperture; an inverted cup-shaped member adapted to rest upon said partition, said cup-shaped member being provided with an inwardly turned hollow boss; means for retaining said cup-shaped member in said casing; a mixing valve in said mixing chamber; an operating stem extending through said boss and said aperture and being connected to said valve; and a spring disposed about said stem and seated in said boss.

1,462,148. VEGETABLE SLICER, CUTTER, AND NUT-CRACKER. PAUL PERHÁTS, Chicago, Ill. Filed Aug. 17, 1922. Serial No. 582,361. 3 Claims. (Cl. 146—11.)



1. A device of the class described comprising a heavy rimmed wheel, a bracket supporting said wheel, a rotary head supported by said bracket adjacent said wheel and having a number of pockets in its perimeter, a shaft adapted to rotate said wheel and head, slicer elements carried by said wheel, and means whereby said shaft may be caused to drive said wheel at relatively fast or slow speeds.

1,462,149. MACHINE FOR MAKING WINDOW ENVELOPES. CHARLES F. PFLANZE, St. Louis, Mo. Filed Apr. 4, 1919. Serial No. 287,426. 7 Claims. (Cl. 93—61.)

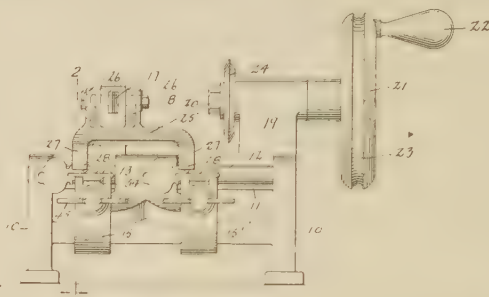


1. In a machine for making window envelopes, patch applying devices comprising a pressure member having a flat face adapted to press the patch into engagement with the envelope blank, and feed rollers whereby the patch is forced onto the flat face of said pressure member, said flat face being provided with a patch gripper and said feed rollers being located adjacent to said flat face so as to feed the patch to said patch gripper.

1,462,150. KEY-DUPLICATING MACHINE. SAMUEL SEGAL, New York, N. Y. Filed Mar. 17, 1920. Serial No. 366,002. 13 Claims. (Cl. 90—13.2.)

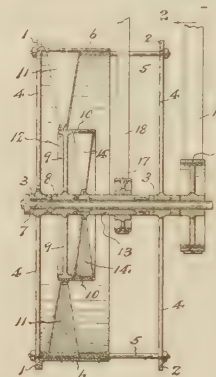
1. In a key-duplicating machine, a pair of clamps for holding a master key and key blank, a post extending up-

wardly from the machine and having a guiding finger mounted thereon and an attachment pivoted to said post and provided with outwardly extending arms adapted to



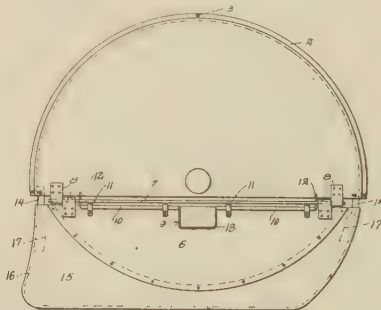
simultaneously engage the shoulders on the key and key blank adjacent their biting edges whereby said key and key blank may be given the same relative longitudinal position in their respective clamps.

1,462,151. MULTIPLE PROPELLER FAN. JAMES M. SEYMOUR, Newark, N. J. Filed May 18, 1922. Serial No. 561,816. 7 Claims. (Cl. 230—11.)



1. A multiple propeller fan, comprising a main fan element having an open center portion, an auxiliary fan element aligned with the open center portion of said main fan element, said fan elements being arranged in concentric relation to rotate about a common axis, and means for independently rotating said respective fan elements.

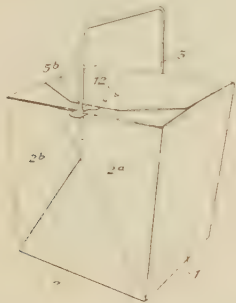
1,462,152. AUTOMOBILE FENDER. LEMON M. SMITH, Clairton, Pa. Filed May 1, 1922. Serial No. 557,497. 1 Claim. (Cl. 280—157.)



In an automobile wheel fender, a casing adapted to fit about the upper portion of an automobile wheel, means for supporting said casing for movement with the wheel, shield members hinged to the lower end of the casing at the sides thereof, means for holding the shield members

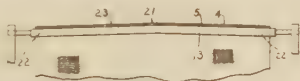
in parallelism with the sides of the casing, said means permitting outward movement of the shield members, flexible guard strips secured to the lower portions of the shield members, reinforcing wires secured to and extending about the lower and front and rear portions of the strips and acting to normally hold the same parallel with said shield members, and means for limiting inward movement of the shield members.

- 1,462,153. COVER-FASTENING DEVICE FOR PAPER PAIRS. GEORGE W. SWIFT, Jr., Bordentown, N. J. Filed Sept. 8, 1921. Serial No. 499,266. 5 Claims. (Cl. 229—28.)



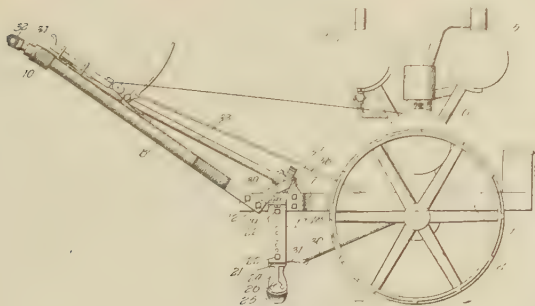
1. A pail or vessel having a bail or handle, a closing flap, and a flap securing device arranged to engage the bail or handle.

- 1,462,154. DOUBLING SPREADER. ANDREW THOMA, Cambridge, Mass., assignor to Abraham Sydemann, Boston, Mass. Filed July 15, 1918. Serial No. 244,848. 10 Claims. (Cl. 154—37.)



2. A doubling spreader, having, in combination, means for supporting a web, means for coating one face thereof, means for progressively superposing another web on the coated face of the first web, and means acting through one of the webs on a line inclined to the direction of feed to exert an evening and smoothing pressure upon said webs and the coating.

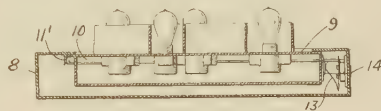
- 1,462,155. TRACTOR ATTACHMENT. ALBERT R. TILSTRA, South Holland, Ill. Filed Apr. 21, 1920. Serial No. 375,517. 2 Claims. (Cl. 97—48.)



2. In a device of the kind described and in combination, a cultivator frame adapted to be connected to the rear of a driving means and having a pair of registering slots therethrough in a horizontal plane, a bar slidable

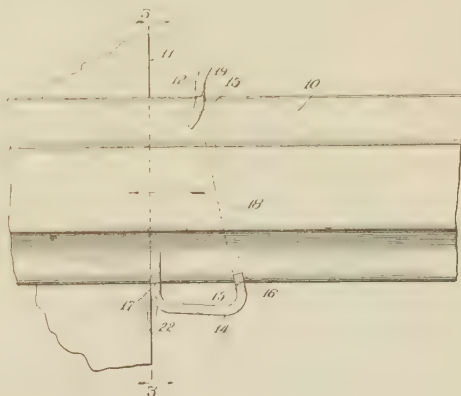
through said slots in a straight line transversely of the direction of the travel of said driving means, cultivator mechanism suspended from said bar, means for adjusting said bar, and means for actuating said bar comprising a shaft arranged transversely thereof, a controlling handle at the end of the shaft, a gear at the forward end of the shaft, and a rack on said bar to mesh with said gear, said rack adapted to abut against the sides of the frame to limit its movement in both directions.

- 1,462,156. SIGN. ANDREW P. TRUCKSESS, Camden, N. J. Filed Apr. 3, 1922. Serial No. 548,888. 1 Claim. (Cl. 40—130.)



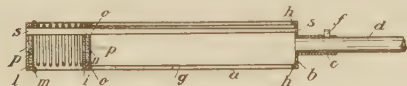
In combination, a sign comprising a frame with front and rear walls, an opening in the front wall, a lip on the inside of the front wall near the side edge of each opening and a lip near the lower edge of the opening, a box like letter form, a flange at the side and the bottom edges on the front wall of the said letter form engaging the aforesaid lips in the frame, conductor wires along the top wall on the inner side of the frame connected with downward extending resilient contacts, other contacts on the upper surface of the letter forms cooperating with the aforesaid resilient contacts, lamps arranged on the front face of the letter arranged to form the outline of a letter and electrically connected with the aforesaid contacts.

- 1,462,157. RAIL ANCHOR. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 8, 1919, Serial No. 295,555. Renewed Mar. 2, 1921, Serial No. 449,077. Patent No. 1,415,743, dated May 9, 1922. Divided and this application filed Aug. 25, 1921. Serial No. 495,386. 13 Claims. (Cl. 238—330.)



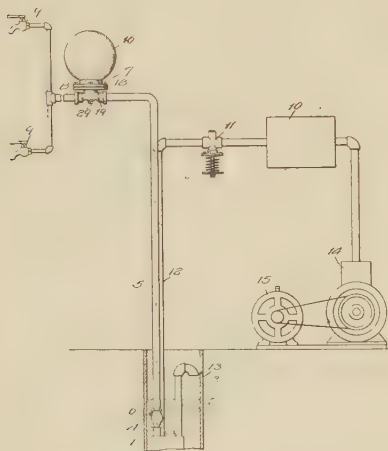
11. A one piece rail anchor consisting of a bar formed to extend diagonally across a rail base, provided at one end with a jaw for engaging one edge of said base and at the other end with a return bent portion, the major part of which is substantially straight, which terminates in means for engaging the other edge of said base and for bearing against a tie; said tie engaging portion being formed to engage substantially the same point on the tie when the said bar assumes different positions on the rail base.

1,462,158. SILENCER FOR FIREARMS. FRANZ WILDER, Buschullersdorf, near Reichenberg, in Bohemia, Czechoslovakia. Filed Mar. 25, 1922. Serial No. 546,865. 1 Claim. (Cl. 89—42.)



A silencer for fire-arms, comprising, in combination, a perforated external tube having closed ends and adapted to be fixed with its rear end on the barrel muzzle of the fire-arm, a shorter internal perforated tube having a closed front end and concentrically arranged in said external tube, the closed front ends of said tubes having holes therein for the passage of the projectile, a coil spring intervening between the front ends of said tubes, transverse double discs of different materials at the inner front ends of said tubes to be passed by the projectile and adapted to close again the holes caused by the passage of the latter, means to prevent said internal tube from twisting within said external tube, and an aim finder within said tubes consisting of a conical tube having its inner walls coated with a luminous matter.

1,462,159. PUMPING SYSTEM. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 30, 1921. Serial No. 456,842. 5 Claims. (Cl. 103—6.)

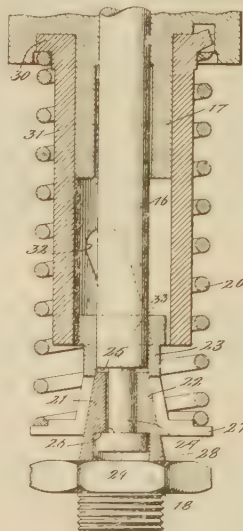


1. In a steady flow chamber, a base having an inlet and an outlet substantially on the same level, a chamber mounted on and secured to the base, a horizontally extending partition between said inlet and outlet, said partition having a relatively large valve port there-through, a check valve of relatively small lift controlling said port and seating thereupon by gravity, an air inlet valve comprising a valve body mounted in the lower wall of the base below the partition, a valve port through said body having an internal seat, and a valve held on said latter seat by gravity.

1,462,160. ROTARY VALVE. MARCUS O. ANTHONY, Cleveland, Ohio, assignor to Continental Engineering Corporation, Omaha, Nebr., a Corporation of Nebraska. Filed Oct. 9, 1922. Serial No. 593,244. 7 Claims. (Cl. 123—90.)

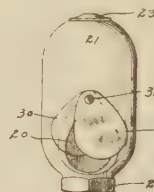
3. A valve in combination with a valve rotator, said valve having a stem with opposing shoulders on its

end, a collar mounted on said stem between said shoulders, and having a portion projecting below said stem end,



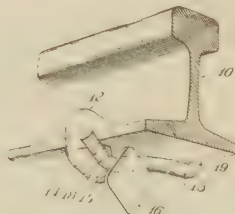
means for reciprocating said collar longitudinally of said stem, and means for rotating said collar as it is moved longitudinally.

1,462,161. WHISTLE. HARRY G. BALTHASAR, St. Louis, Mo., assignor to B. and B. Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 8, 1920. Serial No. 363,920. 4 Claims. (Cl. 116—137.)



4. In a whistle of the compression type, the combination with a casting having attachment to an engine cylinder and provided with a whistle throat, of a pair of pivotally mounted co-operatively arranged plates having adjustment over the throat opening and being capable of relatively open-and-shut movement permitting innumerable permutation of arrangement for small or large openings.

1,462,162. RAIL ANCHOR. LAURENCE J. BERKELEY, Milwaukee, Wis., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 19, 1921. Serial No. 438,462. 27 Claims. (Cl. 238—329.)



1. A rail anchor comprising a jaw member and a spring interposed between said jaw member and the

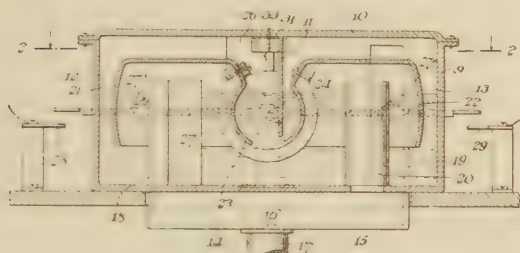
rail, and adapted to be strained in its application to the rail to exert spring pressure against the edge of the rail adjacent said jaw member.

1,462,163. FOOD PRODUCT AND METHOD OF MAKING SAME. THEODOR BRAFF, Vienna, Austria, assignor of one-half to Joseph Braff, Cleveland, Ohio. Filed Aug. 12, 1922. Serial No. 581,496. 3 Claims. (Cl. 99—13.)

1. An artificial goose-grease comprising a major proportion by weight of vegetable fat, a minor proportion by weight of olive oil, and a much smaller proportion by weight of the juice of onions.

3. The method of making an artificial goose-grease which comprises roasting raw onions in vegetable fat to a golden brown color, filtering the onions from said liquid, and while hot adding olive oil to the filtered liquid and stirring until the resulting product cools to a solid or semi-solid condition.

1,462,164. AUTOMATIC PRESSURE CONTROL. GEORGE A. BROOKE, Jr., Germantown, Pa. Filed Aug. 4, 1921. Serial No. 489,916. 16 Claims. (Cl. 236—15.)



1. The method of automatic pressure control, which consists in utilizing variations from normal of the pressure in a given region, acting directly, but in opposite directions, upon two connected pressure responsive devices to actuate a controller.

1,462,165. BOTTLE CAP. WILLIAM C. BUTTNER, Chicago, Ill. Filed June 21, 1922. Serial No. 569,956. 8 Claims. (Cl. 215—74.)

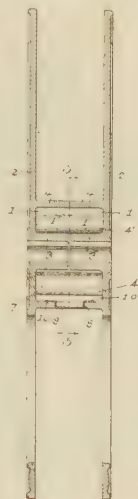


1. A bottle closure constructed to seat on the bottle at the mouth thereof, and provided with a port, and flexible means fixed in position and operable to permit the passage of gas into the bottle through said port and prevent its escape through the port from the bottle.

1,462,166. FILM REEL. LEO LAVERNE CHAPMAN, Fond du Lac, Wis. Filed Dec. 18, 1922. Serial No. 607,467. 6 Claims. (Cl. 242—74.)

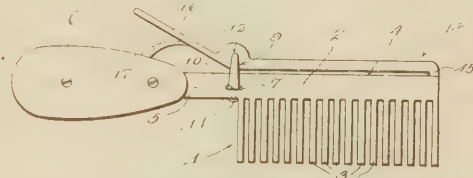
2. A film reel comprising a pair of counterpart sections, each section comprising a side disk and a hub portion integrally connected together, the meeting ends of

the respective hub portions having interengaging stud and socket formations arranged a distance inside their



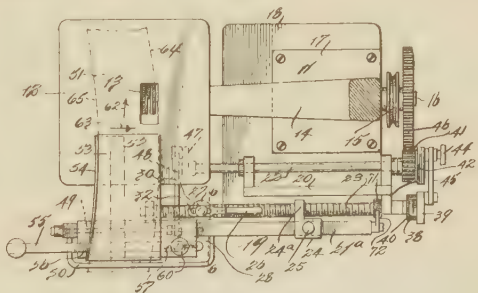
perimeters, and means for securing the reel sections fixedly together, the same comprising screw bolts passing transversely through said hub portions.

1,462,167. HAIRDRESSER'S COMB. LOUISE J. PERRY CROOMS, Orlando, Fla., assignor of one-half to William P. Bush, Jacksonville, Fla. Filed Nov. 4, 1921. Serial No. 512,935. 5 Claims. (Cl. 132—35.)



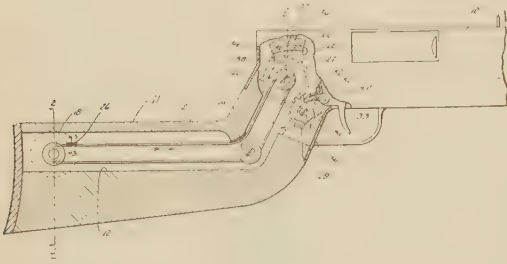
1. In a hair dresser's appliance, a comb having a handle, and a presser bar pivotally mounted upon the handle and spaced from the back of the comb to provide a space through which the hair is drawn.

1,462,168. STITCHING MECHANISM FOR HAT BRIMS. JACOB DENEMARK, Trenton, N. J. Filed June 23, 1921. Serial No. 479,740. 5 Claims. (Cl. 112—2.)



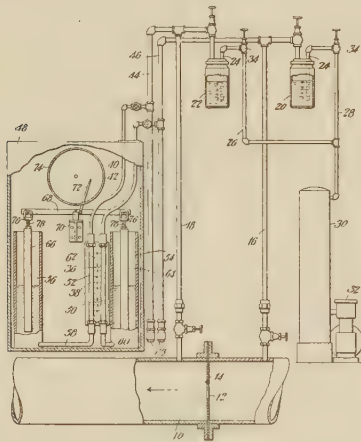
1. In combination with a sewing machine having a feeding mechanism, a carrier for hat brims, a lead screw to feed the carrier transversely of the direction of feed of the sewing machine feeding mechanism, means associated with the driving mechanism of the sewing machine to operate the lead screw, feeding means carried by the carrier to releasably engage the lead screw, and an adjustable trip to disengage the feeding means from the lead screw at a predetermined point in the transverse movement of the carrier.

1,462,169. RIFLE. E. F. LEWIS FRITZ, Chicago, Ill. Filed Sept. 30, 1922. Serial No. 591,626. 6 Claims. (Cl. 42—17.)



1. In a rifle, the combination with the stock thereof, a storage compartment in the stock adapted to hold a number of cartridges, a member adapted for movement within the compartment and actuated by the trigger mechanism of the rifle, for feeding the cartridges into a firing position, and means for locking the member against movement in one direction but permitting movement of the member in the opposite direction.

1,462,170. FLUID METER. BENJAMIN GREENFIELD, Bartlesville, Ohio, assignor, by mesne assignments, to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 27, 1919. Serial No. 285,597. 13 Claims. (Cl. 73—167.)



1. A fluid meter comprising in combination a conduit for fluid, means in said conduit for developing a difference in pressure in said fluid having a definite relation to the rate of flow of the fluid, means for forcing separate streams of fluid at a regulated rate into said conduit at pressures substantially equal to those on opposite sides of said differential pressure development means, and means for measuring the difference in pressures of said separate streams of fluid.

1,462,171. METAL TUBULAR SHADE ROLLER. WILHELM F. D. GRENINGER, Bridgeport, Conn. Filed Aug. 31, 1922. Serial No. 585,578. 2 Claims. (Cl. 156—29.)

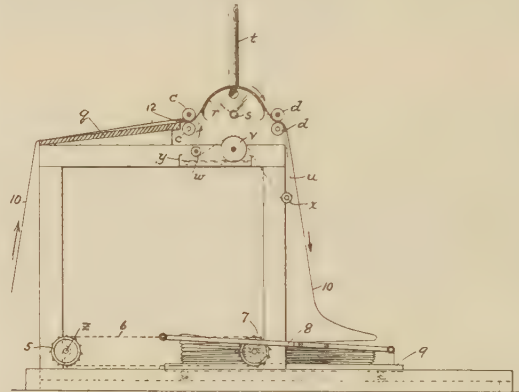
2. A tubular metal shade roller having oppositely located depressions in its outer surface and in each end thereof, a semicircular metal clamp partially embracing the roller and having oppositely located eyes formed in each end and in the edges thereof adapted to be seated in the depressions of the roller, a metal binding strip for the inner end of the shade, said shade projecting therefrom and further anchored by one of the eyes of the

clamp to the roller, a rod extending through the roller, brackets in which the projecting ends of the rod are journaled, pins located in the eyes of the clamp and projecting outwardly therefrom, end plates mounted on



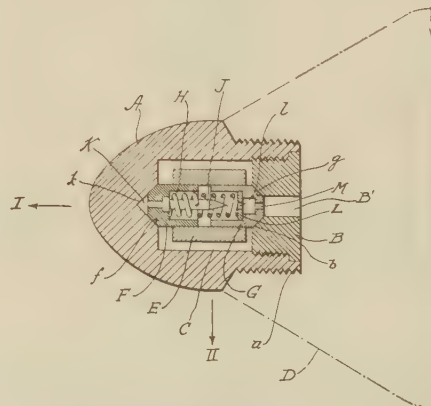
the rod having openings therein to receive said pins and lock the clamp to the roller, said plates having circumferentially arranged lugs on their inner faces adapted to engage the inner surface of the roller to centralize the rod with respect to the roller.

1,462,172. MEANS FOR FINISHING FABRICS. ALFRED A. GRUNDY, Philadelphia, Pa., assignor of one-third to himself, one-third to George Grushlaw, and one-third to John Sichel, all of Philadelphia, Pa. Filed Sept. 1, 1921. Serial No. 497,598. 1 Claim. (Cl. 26—2.)



Means for finishing fabrics comprising a pair of feed rolls, a pair of calendaring rolls, a stationary arcuate ironing surface positioned between said pairs of rolls, means to heat said surface, an apron passing over said arcuate surface, a supply of liquid, and a roller adapted to pick up and transfer liquid from said supply to said apron.

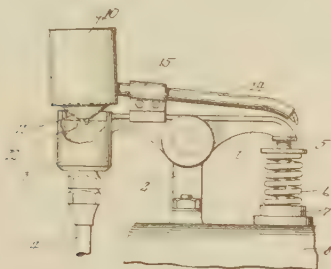
1,462,173. PERCUSSION FUSE. RUDOLF HAAS, Baden, Germany, assignor to Techno Service Corporation, New York, N. Y., a Corporation of New York. Filed July 30, 1921. Serial No. 488,607. 14 Claims. (Cl. 102—39.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



12. A percussion fuse comprising two plungers, curved surfaces on which said plungers can move, and a mass

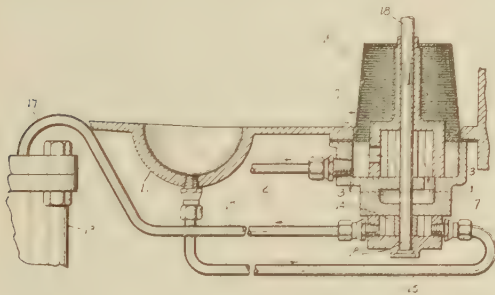
associated with said plungers in such a way that its radial movement will cause the plungers to move axially, while its axial movement will have no effect upon the plungers.

1,462,174. LUBRICATING DEVICE. LEE M. HALE, Chicago, Ill. Filed Oct. 31, 1921. Serial No. 511,566. 9 Claims. (Cl. 184—7.)



9. In combination with a valve having a rocker arm; a lubricating device mounted on said rocker arm and having a reservoir disposed at one end thereof there being an aperture in said reservoir; an annular interior rib surrounding said aperture; a spout mounted on and communicating with said reservoir and having its outer end disposed above the other end of said rocker arm; wicks disposed in said aperture and said spout for regulating the flow of lubricant therethrough; and absorbent material disposed in said reservoir to retain lubricant therein.

1,462,175. FILTERING MEANS FOR LUBRICATING SYSTEMS. EDMUND E. HANS, Kalamazoo, Mich. Filed Apr. 19, 1920. Serial No. 375,034. 9 Claims. (Cl. 184—6.)

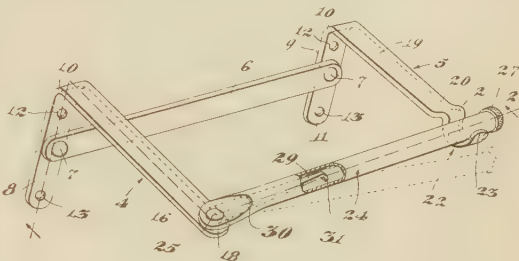


5. In a lubricator system for internal combustion engines, the combination with the parts of the engine to be lubricated, of a crank case constituting an oil reservoir and receiving the lubricant escaping from such lubricated parts, said reservoir having a low portion to receive the impurities in the oil as they settle, a filter, means to draw oil and the impurities therein from a low level of the reservoir and deliver the same to the filter, a conduit for conducting the purified oil from the filter to the reservoir, and means to draw oil from the filter and the reservoir and supply it to the parts of the engine to be lubricated.

1,462,176. TOILET-PAPER HOLDER. AUGUST W. HARTMEYER, Los Angeles, Calif. Filed Apr. 8, 1922. Serial No. 550,939. 1 Claim. (Cl. 211—31.)

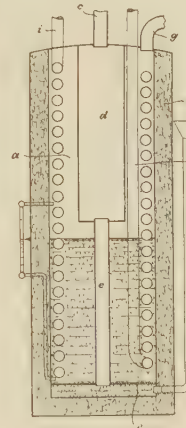
A toilet paper holder comprising a pair of brackets adapted to be attached to support, a bar rigidly con-

necting the brackets, a saddle at the forward end of one bracket, a hollow rod, a spring in the hollow of



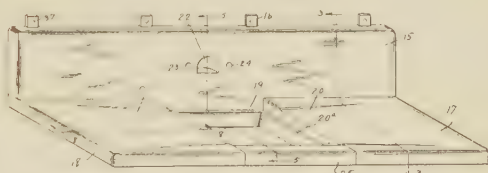
the rod and adapted to bear downwardly, and a pivot connecting the hollow rod and spring to the forward end of the other bracket.

1,462,177. METHOD OF COOLING AIR. ADOLF MESSE, Frankfort-on-the-Main, Germany. Filed Aug. 29, 1921. Serial No. 496,766. 1 Claim. (Cl. 62—177.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



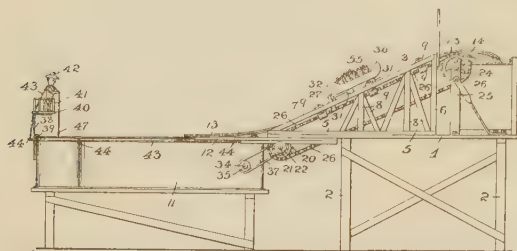
Method of precooling air to be liquefied and separated into its constituents which consists in compressing said air, passing said compressed air in heat exchanging relation with water and cooling said water by conducting anhydrous gases therethrough in a finely divided state.

1,462,178. DRAIN BOARD FOR SINKS. WILLIAM F. MUIR, Fresno, Calif. Filed Mar. 13, 1922. Serial No. 543,501. 7 Claims. (Cl. 4—36.)



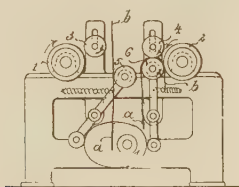
1. A drain board for sinks and the like comprising a back member adapted to be mounted parallel with a wall; ears projecting upwardly from the upper edge of said back member; a relatively narrow downwardly depending portion centrally of the lower edge of said back member; and an arcuate downwardly opening trough extending longitudinally of the lower edge of said back member.

1,462,179. GAME APPARATUS OR AMUSEMENT DEVICE. FRANK A. PEEFER and CHARLES NAAB, Newark, N. J.; said Naab assignor to Thomas Mills, Maplewood, N. J. Filed Apr. 1, 1921. Serial No. 457,760. 20 Claims. (Cl. 46—56.)



1. In a game-apparatus or amusement device, in combination with a tank adapted to contain water, a track located outside of said tank, said track having an end-portion terminating above the level of the water in said tank, and the car adapted to be placed upon said track, and adapted to be plunged from the end-portion of the track into and beneath the surface of the water in said tank, said car being adapted to receive floatable toy-figures, and means connected with said tank for the withdrawal of a toy-figure from the water in said tank.

1,462,180. MACHINE FOR WORKING SKINS, HIDES, AND LEATHER. GEORG WALTER RICHTER, Crimmitschau, Germany. Filed Mar. 19, 1915. Serial No. 15,992. 1 Claim. (Cl. 149—16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

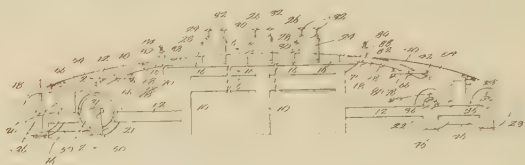


An improved machine for working skins, hides and leather comprising in combination with two stationary tool cylinders arranged at a convenient distance apart, means for revolving said two tool cylinders in opposite directions, a stationary feeding roller for each tool cylinder, two transporting rollers designed to transport the hide from the one tool cylinder to the other and means for moving said transporting rollers so that at the first stage both approach the first tool cylinder, that at the second stage when the treatment of the hide by the first tool cylinder is nearly finished the outer transporting roller is moved with the hide toward the second tool cylinder and that at the third stage the inner transporting roller is moved away from the first tool cylinder to take the hide away from the same.

1,462,181. STEEL-WOOL-MAKING MACHINE. ARTHUR J. ROTH, Chicago, Ill., assignor to James H. Rhodes & Company, Chicago, Ill., a Corporation of Illinois. Filed June 2, 1922. Serial No. 565,297. 8 Claims. (Cl. 29—4.5.)

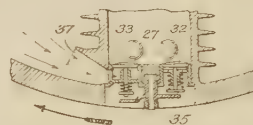
8. In mechanism of the class described, a support for the passage of parallel wires curved on its working surface in an arc corresponding to the natural curvature of wires passing from coils at one end of the support to coils at its opposite end, a pair of wire holding drums in tandem at each end of the support

adapted to pass two parallel wires over said support, means mounting the drums so that each wire passes from the inside drum of one pair to the outside drum of the other pair, whereby the curves of two wires between these respective drums are the same, a cutting tool adjacent to the support engaging the wires traveling over the support, tensioning devices on the side



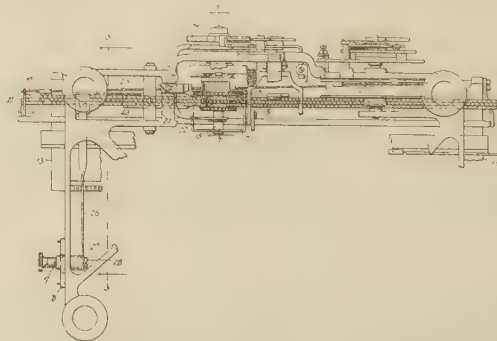
of the cutting tool from which the wires are delivered adapted to engage said plurality of wires placed side by side and passing in engagement with the tool to sufficiently tension said wires passing the tool so that the single tool may simultaneously cut from each wire a steel wool shaving, means for driving said drums and automatic means laterally shifting said drums to maintain the wires parallel on the support.

1,462,182. INTERNAL-COMBUSTION ENGINE. DANIEL MICHEL WEIGEL, Chicago, Ill. Filed June 23, 1920. Serial No. 391,034. 18 Claims. (Cl. 123—44.)



9. In a rotary internal combustion engine, in combination, a plurality of rotary power cylinders, pistons in said cylinders, said pistons having an exhaust stroke and a power stroke, said power stroke directly following the exhaust stroke; of means for pre-compressing the fuel mixture, and for admitting the same to the cylinders at a time after the completion of the exhaust stroke and before the commencement of the power stroke, of exhaust valve means in said cylinders operating to permit the burned gases to be swept out of the cylinders by the centrifugal force set up on the rotation of the cylinders, and means comprising a scoop operating upon rotation of the cylinders for directing scavenging air through the exhaust valve means into the cylinders which are exhausting burned gases, said air being thereafter swept out by the centrifugal force whereby the incoming fuel is substantially undiluted with mixed burned gases in said cylinders.

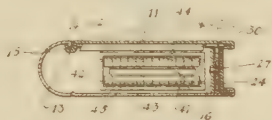
1,462,183. VARIABLE CARRIAGE-FEED MECHANISM FOR TYPEWRITERS. ARTHUR S. WHEELER, New York, N. Y. Filed Sept. 9, 1922. Serial No. 587,101. 5 Claims. (Cl. 197—84.)



1. A variable spacing carriage feed mechanism having rack and gear connection between the escapement

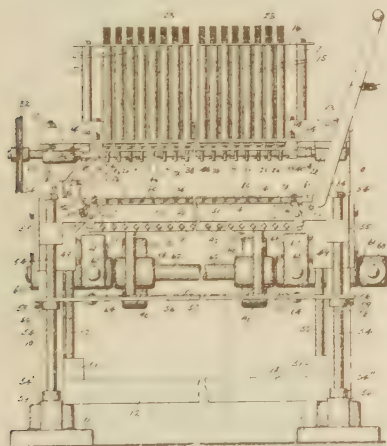
and the carriage, said rack and gear connection comprising a plurality of gears and racks, and yielding manually controlled means for bringing a selected pair of said gears and racks into mesh to establish the desired interval of spacing.

1,462,184. SAVINGS BANK. BERT C. WILLIAMS, Ocean Park, Calif. Filed Oct. 31, 1921. Serial No. 511,554. 12 Claims. (Cl. 232-4.)



1. A bank including a coin chamber, a coin slot, a housing having an open bottom surrounding said slot, and tumblers arranged within said housing on opposite sides of said slot, the pivotal movement of said tumblers in opposite directions with respect to each other being limited by the side walls of said housing.

1,462,185. DROPPING MACHINE. ROBERT EZEKIEL WILSON and ROBERT EUGENE WILSON, Belleville, N. J., assignors to Seymour R. Gross, Newark, N. J. Filed Nov. 12, 1921. Serial No. 514,832. 19 Claims. (Cl. 226-2.)

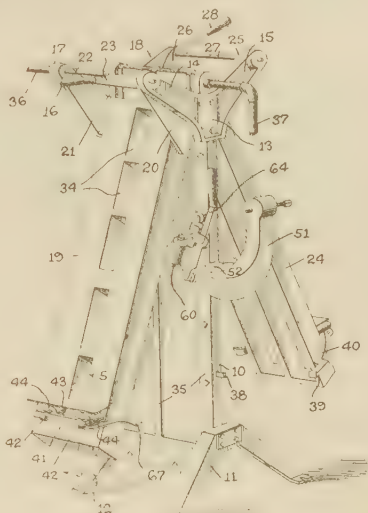


1. In mechanism of the kind described, means for holding a supply of wires or the like, means for discharging wires from said holding means by gravity, wire releasing mechanism, a vertically movable carriage, a wire receiving means detachably mounted on said carriage, upward movement of said carriage device being adapted to carry said wire receiving means into operative relation to said wire releasing mechanism, means actuated by the upward movement of said carriage device for operating said wire releasing mechanism to drop wires into said wire receiving means, and a stop means for limiting the drop of released wires.

1,462,186. METAL-MOLDING APPARATUS. HENRY C. ZENKE, Richmond Hill, N. Y. Filed Nov. 14, 1921. Serial No. 514,919. 10 Claims. (Cl. 22-142.)

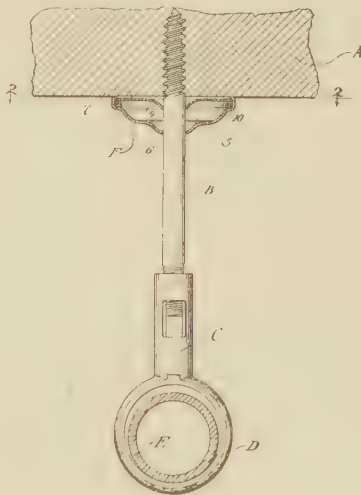
1. In apparatus of the character described, in combination, a mold including two cooperating and separable

parts for receiving a molten metal, means pivotally connecting said parts, means tending to swing one of said



parts about said pivotal connecting means and away from the other part, and an automatically operative latch for locking said parts together.

1,462,187. ADJUSTABLE FLANGE. LOTHAR R. ZIFFERER, Lancaster, Pa. Filed May 11, 1922. Serial No. 560,023. 2 Claims. (Cl. 248-31.)

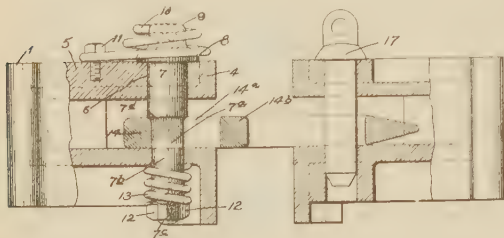


2. In combination with a rod, a flange surrounding the same and adjustable longitudinally thereof, the flange comprising two interlocked metallic parts, one rigid and the other flexible, the latter being provided with a plurality of spring elements adapted to frictionally engage with the rod, the rigid part also engaging with the rod and co-operating with the spring elements to maintain the flange in a transverse relation to the rod in all positions of adjustment thereupon, substantially as described.

1,462,188. MINE-CAR COUPLER. FRANK S. BARKS, St. Louis, Mo., assignor to Lincoln Steel and Forge Company, St. Louis, Mo., a Corporation of Missouri. Filed June 10, 1921. Serial No. 476,445. 4 Claims. (Cl. 213-205.)

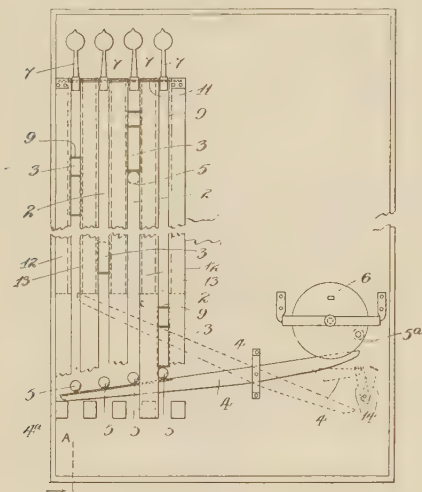
1. The combination with a coupler having spaced horizontal jaws, of a pin swiveled in said jaws, a link

mounted between the jaws and upon said pin, said link having sliding movement relative to said pin and having vertical movement with said pin relative to said jaws



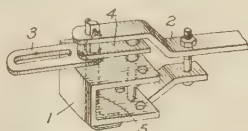
but being designed to turn with the pin, and a spring engaging the upper end of the pin for maintaining the link in predetermined vertical and horizontal planes.

1,462,189. APPARATUS FOR PLAYING RACE GAMES. HENRY THOMAS BROOKER, Southend-on Sea, England. Filed Dec. 21, 1922. Serial No. 608,301. 12 Claims. (Cl. 64—57.)



4. Game playing apparatus comprising a board, an abreast series of tracks thereon, the tracks sloping to one end, a corresponding series of units mounted capable of propulsion along the tracks, an actuating device in each track for imparting intermittent thrusts to the unit therein to advance it therealong, the actuating devices being returned by gravity along the sloping tracks after impact, and means for intermittently impelling the actuating devices so that a series of intermittent thrusts are given that are variable both in magnitude and period

1,462,190. CAR COUPLER. HARRY M. BROWN, New Kensington, Pa. Filed Oct. 20, 1922. Serial No. 595,771. 3 Claims. (Cl. 213—75.)



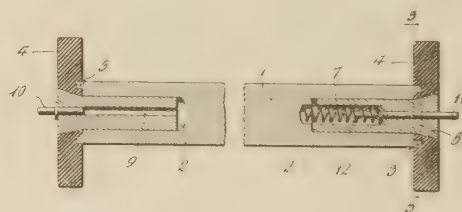
1. In a car coupling the combination of a coupling head, a pin pivoted in the head and having an elbowed end, a link secured by the pin and swinging integrally with the pin, and a guide plate stationary with respect to the car and adapted as the car travels to engage the elbowed end of the pin and swing the link.

1,462,191. CERIUM POCKET LIGHTER. FRITZ BECK, Nuremberg, Germany. Filed Feb. 10, 1921. Serial No. 444,065. 2 Claims. (Cl. 67—7.1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A pocket lighter of the type described in which the ignition means is arranged in the enclosing cap which fits over the burner piece or tinder holder comprising in combination an enclosing cap, a striker of the shape of a knife with broad edged blade, an ignition metal piece of rectangular shape having two side faces bevelled from below upward, a ring removably inserted in said cap having a rectangular opening and two side faces inclined so that they fit on the inclined side faces of said ignition metal piece designed to securely hold said ignition metal piece and to serve as guide for said striker.

1,462,192. TUFT-YARN SPOOL FOR LOOMS. HARRY D. CLINTON, Johnson City, N. Y. Filed Sept. 28, 1922. Serial No. 591,113. 6 Claims. (Cl. 242—118.)



1. A tuft yarn spool comprising a barrel of wood having oblong sockets formed in the ends thereof and projections or flanges extending around the outer ends of said sockets, and heads of hard vulcanized fibre having central openings therein of frusto-conical form, and annular grooves in their confronting faces in which said flanges are seated, and means whereby said heads are rigidly and permanently secured to said barrel, so as to form a practically integral structure, without using bolts or screws; said means consisting of wooden plugs inserted through the openings in said heads and extending into said sockets and having their outer ends of frusto-conical form to closely fit said openings; said plugs being secured in said sockets by an adhesive substance applied before inserting them in the sockets.

1,462,193. CLIP. RAYMOND W. COOK, Bristol, Conn., assignor to The Wallace Barnes Company, Bristol, Conn., a Corporation. Filed Nov. 10, 1922. Serial No. 600,046. 5 Claims. (Cl. 40—2.)

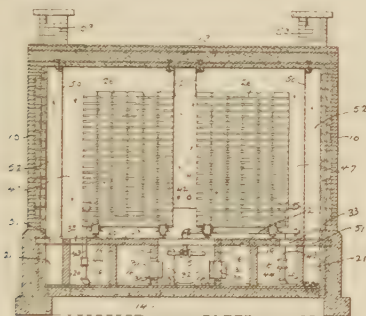
1. As a new article of manufacture, a clip made of resilient sheet-metal and comprising a face-plate and an

integral shank originating at the upper edge thereof, and extending downwardly behind the same, the said plate and shank being furnished with gripping-fingers set into



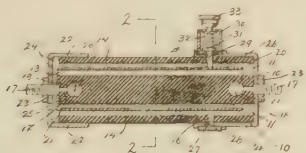
the space formed between the plate and shank arranged in line opposite each other and directly co-acting in discharging their gripping function.

- 1,462,194. DRYING KILN. CLIFFORD A. CUTLER, Buffalo, N. Y. Filed Dec. 27, 1920. Serial No. 433,307. 22 Claims. (Cl. 34—49.)



1. A drying kiln comprising non-porous kiln walls, and porous de-humidifiers, located in spaced relation with the kiln walls.

- 1,462,195. MULTIPLE FUSE. NICHOLAS J. DOYLE, Buffalo, N. Y. Filed Nov. 6, 1920. Serial No. 422,174. 4 Claims. (Cl. 200—125.)



1. A multiple fuse comprising an insulating core, having a plurality of longitudinal spaces formed therein, a multiple fuse element, having one of its members arranged in each of the spaces of the core, and radially-arranged spring-pressed index means rotatable about the core and engageable with any one of the members of the fuse element.

- 1,462,196. FISHING APPARATUS. CORNELIS P. DROS, Amsterdam, Netherlands. Original application filed Mar. 29, 1919, Serial No. 286,154. Divided and this application filed Sept. 10, 1920. Serial No. 409,400. 5 Claims. (Cl. 43—4.)

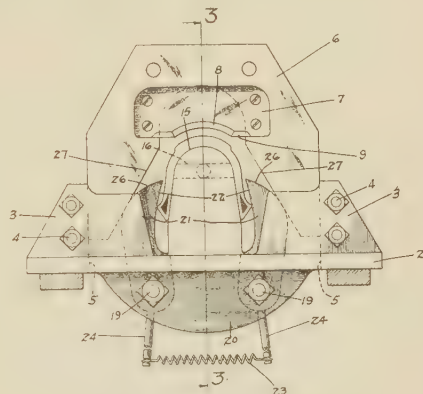
1. In a fishing apparatus, the combination of a catching station; a net having a catching compartment; a discharge conduit for the fish having its inlet end connected to said compartment and its outlet end arranged at said station; a pressure fluid supply pipe connected at its outlet end to said compartment; and a pump at said station

to which the inlet end of said supply pipe is connected; said pump acting to deliver pressure fluid through said



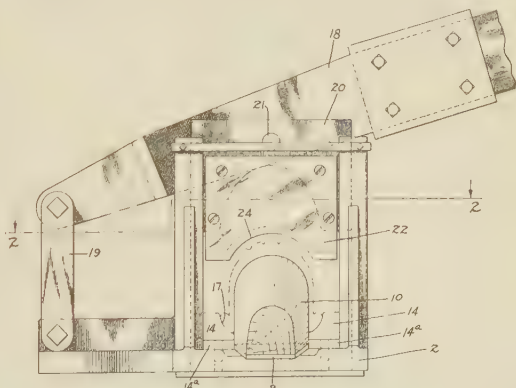
pipe into said compartment, to force the fish therein into and through said conduit and to discharge them at said station.

- 1,462,197. MACHINE FOR CUTTING TIRES INTO TRANSVERSE SECTIONS. ERICK O. FELLROTH, Minneapolis, Minn., assignor of one-third to Frederick N. Hegg and one-third to Carl I. Lindskoog, both of Minneapolis, Minn. Filed Mar. 7, 1922. Serial No. 541,800. 10 Claims. (Cl. 164—41.)



1. A tire cutting machine comprising a base having a seat for the tire to be cut transversely, a severing knife mounted to cut the tire tread and knives actuated at a predetermined point in the severing operation for cutting transversely through the tire beads and the metallic reinforcing therein.

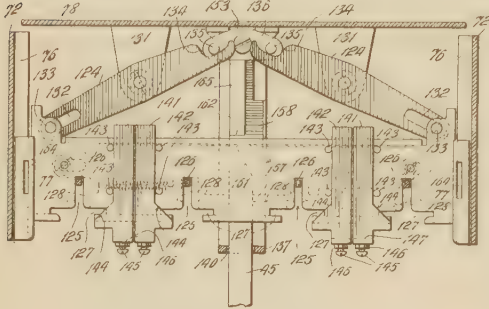
- 1,462,198. TIRE GAUGE CUTTER. ERICK O. FELLROTH, Minneapolis, Minn., assignor of one-third to Frederick N. Hegg and one-third to Carl I. Lindskoog, both of Minneapolis, Minn. Filed Mar. 7, 1922. Serial No. 541,801. 7 Claims. (Cl. 164—57.)



1. A machine of the class described comprising a base, a tire seat mounted thereon and having a surface conforming substantially to the inner surface of a tire shoe to

provide a substantial support therefor, said base having upright standards adjacent the end of said seat and between which standards the end of the tire to be severed is inserted, resting upon said seat, and a severing knife mounted to cut the tire transversely into a series of guard sections.

- 1,462,199. COIN-CONTROLLED VENDING MACHINE. HARVEY GILES, Brooklyn, N. Y., assignor to Artemas Ward, New York, N. Y. Filed Nov. 20, 1919. Serial No. 339,268. 8 Claims. (Cl. 194—80.)



1. In a coin-controlled vending machine having a tray for holding a stack of the articles of merchandise to be sold and a manually operative handle, enclosed mechanism comprising a slide operable in a direction toward said tray by means of said handle and having a coin-receiving recess within which the coin is held on edge facing rearwardly in a direction toward said tray, the rear face of said coin being positioned to serve as an abutment to effect the positive dislodgement of merchandise from said tray when said handle is operated on its goods discharging stroke, a member slidably carried by said slide and affording a lower support for the coin in said recess, a stop in the path of said supporting member for arresting the same against movement during the rearward movement of said slide to effect the dislodgement of the merchandise and before said slide ceases its movement, whereby said slide is caused to carry the coin beyond said arrested supporting member to permit the release of the coin, and means for restoring said supporting member in its relation to said recess after the discharge of the merchandise and during the forward movement of said slide to its normal position.

- 1,462,200. STAMP MOUNT AND INDEX. EVERETT D. GUDGEL and MATT M. COREY, Chicago, Ill., assignors to R. D. Swisher Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 26, 1922. Serial No. 596,944. 2 Claims. (Cl. 101—368.)



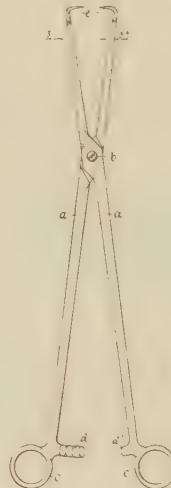
1. In a stamp mount, a box formed of sheet metal so as to have one side open, and a screw inserted in a hole in the metal of the side opposite the open side, said screw having a bead formed thereon by upsetting part of the metal thereof so as to clamp the metal of the box between the head of the screw and said bead.

- 1,462,201. TENNIS POST. ROWLAND RUSHWORTH HIRST and ARNOLD HIRST, Halifax, England. Filed Aug. 7, 1922. Serial No. 580,376. 2 Claims. (Cl. 46—24.)



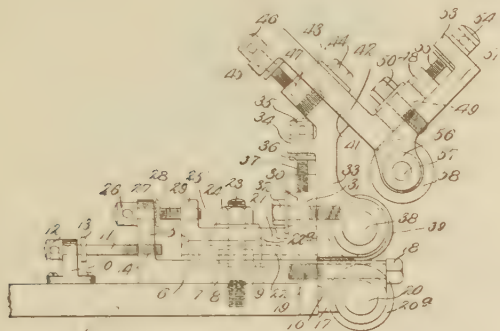
1. A tennis post formed of a straight cylindrical tube of ductile metal provided with longitudinal notches having curved converging sides, said notches being formed in the upper end of the tube and the metal between the notches being bent to hemispherical form so that the two notches form a single continuous opening, the hemispherical end portion of the tube being of the same diameter and thickness as its main portion and having holes for receiving the spindle of a guide pulley.

- 1,462,202. SURGICAL INSTRUMENT. EARLE B. HOPPER, Ridgewood, N. J. Filed May 14, 1921. Serial No. 469,661. 1 Claim. (Cl. 128—321.)



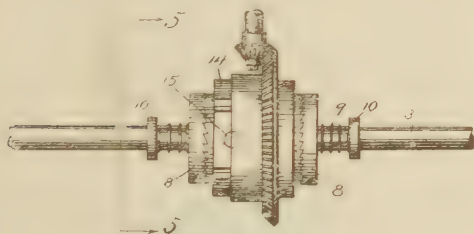
A pair of surgical forceps comprising coacting members pivoted together and having coacting slender terminal portions adapted to grasp between them the part to be held and each of which is bent toward the other and thence tapered to substantially a point, each bent-off tapered portion being adapted to puncture and thereby catch the part to be held and being arranged to overlap and to wipe against the other bent-off tapered portion in the grasping position of the forceps.

- 1,462,203. ADJUSTABLE FEED-ROLL JOURNAL FOR CARD FEEDERS. JOSEPH B. HOWE, Worcester, Mass., assignor to George S. Harwood & Son, Boston, Mass., a Copartnership consisting of Sydney Harwood and John H. Harwood. Filed July 29, 1922. Serial No. 578,518. 10 Claims. (Cl. 19—160.)



1. A card feeding machine comprising a supporting frame, upper and lower feed roll brackets mounted thereon, the lower bracket having an opening therein constituting an enclosed journal-box, a lower feed roll supported in said journal-box and means for adjusting said lower bracket relatively to the frame.

- 1,462,204. AUTO REAR-AXLE DIFFERENTIAL MECHANISM. FRANK TOBIS and FRANK JARZYNA, Chicago, Ill. Filed Jan. 23, 1922. Serial No. 531,296. 5 Claims. (Cl. 74—7.)

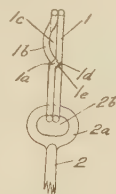


1. A differential transmission gear for motor vehicles comprising, in combination, a divided axle, two coaxially arranged clutch members rotatably mounted on the inner ends of said axle, said clutch members each having ratchet teeth projecting from the outer ends thereof and the teeth of one member being reversely arranged with respect to those of the other member, one of said members consisting of two separate elements each carrying a set of ratchet teeth adapted to be projected beyond the teeth of the other member and to be retracted inwardly thereof, two clutch members slidably but nonrotatably mounted adjacent the ends of said axle, each having two concentric sets of ratchet teeth reversely arranged with respect to each other and adapted to engage the teeth of said first mentioned members, springs tending to force said second mentioned clutch members inwardly, and means for rotating said coaxially arranged clutch members and for projecting and retracting said elements according to the direction of rotation.

- 1,462,205. KEY RING AND THE LIKE. LEWIS F. KORNS, Minneapolis, Minn. Filed Nov. 18, 1921. Serial No. 516,239. 2 Claims. (Cl. 59—98.)

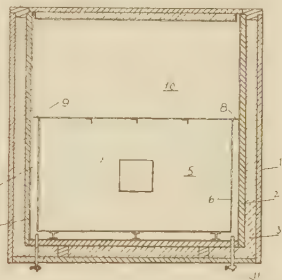
1. In a key ring a coil of approximately two complete turns produced from a single piece of wire of a uniform cross-section throughout its entire length, an oblique por-

tion intermediate its two ends forming an offset of a length equal to the cross-section of said wire, a laterally projecting arched portion at one end of said wire having



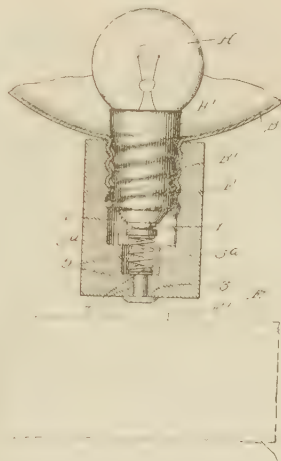
its terminus inside of said coil and having an inward curvature of a sufficiently reduced radius to admit of its extreme end passing inwardly of the oblique portion when compressed.

- 1,462,206. REFRIGERATOR. FRANCIS T. LYNCH, Baltimore, Md. Filed Oct. 17, 1921. Serial No. 508,123. 2 Claims. (Cl. 62—31.)



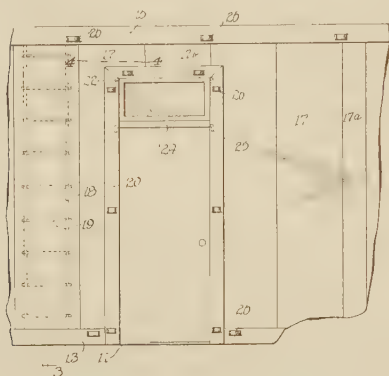
1. A refrigerator, comprising a freezing chamber, a freezing mixture chamber above said freezing chamber, a space on the side of said freezing chamber in screened communication with said freezing mixture chamber, and means for regulating the height of brine resulting from the melting of the freezing mixture in said space and said freezing mixture chamber at a desired point above said freezing chamber.

- 1,462,207. BATTERY LAMP. EDGAR J. MCEACHRON, Madison, Wis., assignor to French Battery & Carbon Co., Madison, Wis., a Corporation of Wisconsin. Filed Aug. 10, 1921. Serial No. 491,160. 3 Claims. (Cl. 240—8.5.)



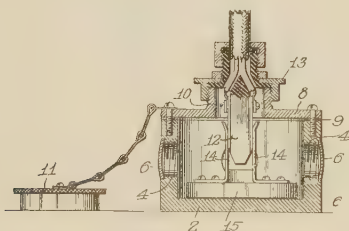
2. A shock-absorbing device adapted for attachment to the threaded shank of the reflector of a battery lamp, said device comprising a tubular insulation block having one end provided with an internally threaded bore and the other end provided with an end wall, a contact stud extending thru said end wall, and a spring contact in the bottom of said bore and connected with said stud.

1,462,208. BUILDING CONSTRUCTION. ERNEST A. MAYO, Evanston, Ill. Filed Mar. 25, 1921. Serial No. 455,387. 15 Claims. (Cl. 72-16.)



1. In a building, a downwardly extending engaging device on the ceiling thereof, an upwardly extending engaging device on the floor thereof, and integral wall panel longer than the distance between the effective bottom of the floor device and the lower end of the ceiling device and shorter than the distance between the ceiling and the upper end of the floor engaging device, said panels being held in place by said engaging devices, said engaging devices permitting said wall panels to be set up by an end to end insertion.

1,462,209. UNIVERSAL CONDUIT BOX. FRANK J. MINER, Detroit, Mich. Filed Jan. 27, 1919. Serial No. 273,294. 5 Claims. (Cl. 247-18.)



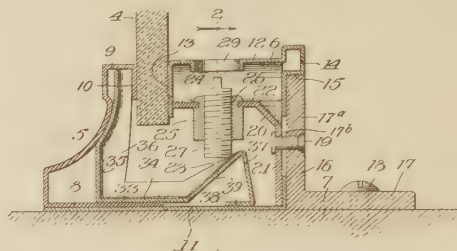
1. An outlet box having a thickened wall formed with a screw-threaded opening into which a tubular member is adapted to be screwed, and means for sealing said opening water tight, said means being bodily insertable within the completed opening and having a thickness less than the axial length of the opening, the positioned means being adapted to be knocked out bodily without injury to the thread zone of the opening to expose said zone and permit the member to be screwed to position.

1,462,210. RAZOR-BLADE HOLDER. EDWARD M. MOYLAN, Boston, Mass. Filed Dec. 3, 1921. Serial No. 519,685. 2 Claims. (Cl. 30-25.)



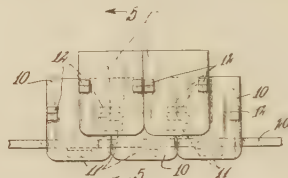
1. A device for use in stropping double edged razor blades, comprising a holder for one of said blades, a guard for one edge of a blade mounted in said holder, and means connecting said guard with said holder and permitting the guard to be swung about two axes located transversely to each other into guarding relationship to either edge of said blade.

1,462,211. STORE-FRONT CONSTRUCTION. DANIEL J. MURNANE, Chicago Heights, Ill., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill., a Corporation of Illinois. Filed Dec. 2, 1921. Serial No. 519,407. 4 Claims. (Cl. 20-56.4.)



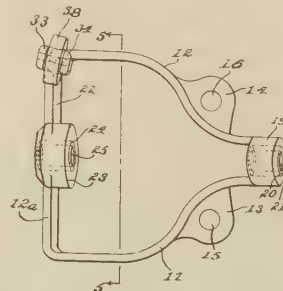
1. The combination with a member forming a wall of a glazed opening, of glass-plate-clamping means extending along opposite sides of the sheet of glass, said means being formed at their rear side with a plate-like portion which extends rearwardly from said sheet and at an angle thereto and lengthwise of the construction and a portion which depends from said plate-like portion and is inset forwardly from the rear edge of said plate-like portion, whereby a recess or channel is provided and an angle-iron member secured to said first-named member and extending lengthwise of said clamping means, with one of its angularly-disposed portions disposed in said recess, and means engaging said clamping means with the portion of said angle-iron member located in said recess.

1,462,212. ENAMEL SHINGLE CONSTRUCTION. PAUL PERCSENYI, East Pittsburgh, Pa. Filed Oct. 7, 1922. Serial No. 593,021. 4 Claims. (Cl. 108-17.)



1. In a roof, an angular metal strip extending along the ridge thereof and having inturned hook-flanges on its lower edges, a metal bar extending along the lower edge of the roof, shingles arranged in successive rows, means interlocking the shingles of each row with those of adjacent rows, and the top and bottom rows with the said angular metal strip and metal bar respectively.

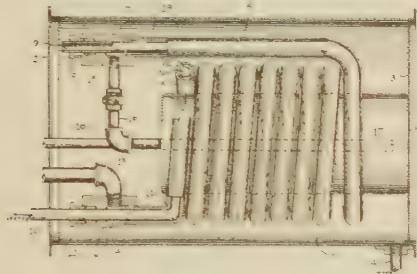
1,462,213. CARRIER-CONTROLLING DEVICE FOR BRAIDING MACHINES. ANKER PETERSEN, Winthrop, Mass. Filed Aug. 16, 1922. Serial No. 582,162. 11 Claims. (Cl. 96-5.)



1. A braiding machine comprising in combination a braiding carrier movable in a circular path, and drive means moving in a path concentric with that of the

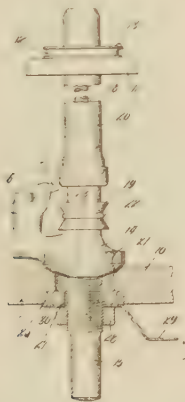
carrier and comprising a roll of relatively large diameter for pushing the carrier along its path, and a roll of relatively small diameter for preventing overrunning of the carrier when the driving means comes to rest.

- 1,462,214. CONDENSER. ELMER F. SEAGER, Detroit, Mich., assignor of one-half to Robert C. Sturgeon, Windsor, Canada. Filed Oct. 6, 1921. Serial No. 505,744. 3 Claims. (Cl. 257—28.)



1. A condensing apparatus comprising a main tank adapted to receive a cooling agent, a receiver in said main tank, an outer coil about said receiver and communicating therewith, and an inner coil in said outer coil and communicating with said main tank.

- 1,462,215. CENTERING MEANS FOR SPINDLES. FREDERICK G. SMITH, New Bedford, Mass., assignor of one-half to Isaac N. Babbitt, Fairhaven, Mass. Filed June 9, 1922. Serial No. 567,037. 9 Claims. (Cl. 118—66.)

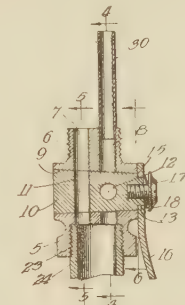


1. The combination, with a spindle including a base having a head and a depending extension, of a supporting rail having a face on which said head is seated and an opening through which said extension passes, and an adjusting means having an external rotative bearing in said rail and an interior rotative bearing on said extension, the two bearings being eccentric to one another, whereby rotation of the adjusting means is effective to incline the spindle with respect to the rail.

- 1,462,216. GASOLINE RESERVE VALVE. EDWARD J. STALDER and EDWARD SCHOLZ, Chicago, Ill. Filed Aug. 5, 1921. Serial No. 490,162. 1 Claim. (Cl. 158—46.5.)

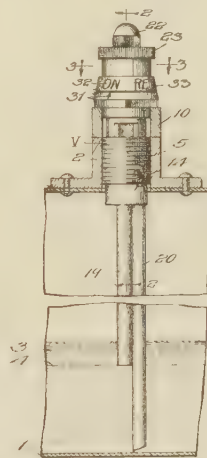
In combination with a liquid supply tank, a reserve valve comprising a body member adapted to be arranged at an opening in the top or bottom of said tank, said body member having a pair of ducts entirely therethrough from end to end, extension insertable into said ducts adapted to conduct the liquid from said tank at different levels, a tapered bore extending laterally through said valve body and communicating with both

of said ducts intermediate their ends; a tapered plug seated in said bore and having a pair of ducts independent of each other and extending entirely therethrough from one side to the other, said last-mentioned ducts having their axes arranged in mutually transverse directions and adapted to alternately register and align with the ducts through said body member, a handle for operating said plug and bearing against the body member to prevent axial movement of the plug in one direc-



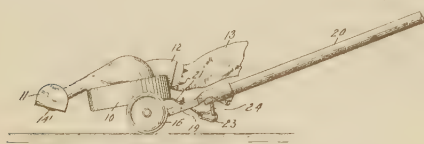
tion, means for retaining said plug and handle in place, and means for limiting the rotational movement of said plug and comprising abutments on said body adapted to be engaged by said handle, whereby the liquid from said tank will normally flow through one of said ducts until it reaches a predetermined level in the tank so that the plug may be actuated to place the other duct into registry with the duct through the plug and permit the remaining reserve supply of liquid to flow therethrough.

- 1,462,217. GASOLINE RESERVE VALVE. EDWARD J. STALDER and EDWARD SCHOLZ, Chicago, Ill. Filed Oct. 8, 1921. Serial No. 506,450. 5 Claims. (Cl. 158—46.5.)



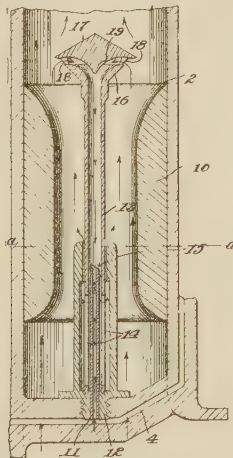
1. In combination with a liquid supply tank having a discharge opening with an outlet pipe projecting therefrom, a reserve valve comprising a member adapted to be stationarily arranged at said outlet pipe and having a single discharge duct therethrough, a collar on said member coaxial with said outlet pipe and annularly abutting thereagainst, said collar provided with an outlet pipe extending therethrough and communicating with the single discharge duct in said member, a second member movably arranged relative to said first-mentioned member and having a pair of ducts therethrough and communicating with the liquid in the tank at different levels, and means for selectively moving said second-mentioned member to place one of said pair of ducts into registry with the single duct of said first-mentioned member and closing the passage through the other of said pair of ducts.

- 1,462,218. VACUUM-CLEANER ATTACHMENT. DOMENICK TONSO, New York, N. Y. Filed Mar. 15, 1922. Serial No. 543,956. 1 Claim. (Cl. 15-8.)



A vacuum cleaner including a casing provided with a suction nozzle and a rotary brush adjacent thereto, wheels carrying said casing, wheels operating said brush, both sets of wheels normally resting on the ground, a handle pivotally connected with said casing, a hook fixed to said casing, and a flexible connection between said hook and said handle including a link in engagement with said hook, whereby the lowering of said handle below a certain limit results in the lifting off the ground of said brush operating wheels while the casing carrying wheels remain on the ground, and the lifting of said handle beyond a certain limit causes a disengagement of said link from said hook.

- 1,462,219. CARBURETOR. ALBERT WAGNER, Cincinnati, Ohio, assignor, by mesne assignments, to The Wemb Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 21, 1922. Serial No. 538,319. 3 Claims. (Cl. 261-19.)



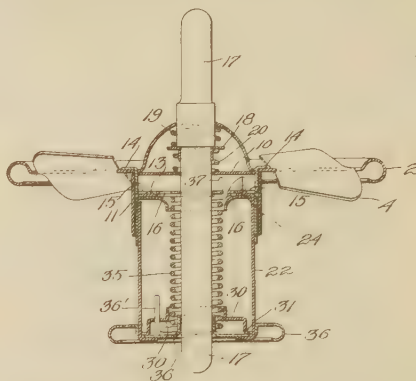
3. In a carburetor the combination of a mixing chamber, an air supply therefor, a liquid fuel supply, and an air tube disposed about the fuel supply, said air tube having an inlet located above the normal level of the liquid fuel supply for diverting a part of the air supply and conducting said air supply in opposition to the flow of the liquid fuel supply to an outlet in the air tube at a point below said normal level, and a deflecting canopy upon the upper end of the air tube, the upper end of the tube being flared and the canopy being of a greater diameter than the flared end and having its under end tapered to deflect air downwardly within the tube.

- 1,462,220. LABEL. CARL WIEGANDT, Barmen, Germany, assignor of one-half to Albert Viehmann, Barmen, Germany. Filed Feb. 6, 1923. Serial No. 617,291. 2 Claims. (Cl. 91-68.)



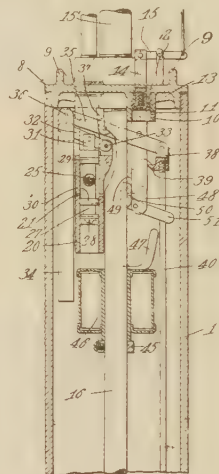
1. As a new article of manufacture: a label made of sheet-metal and coated with an ordinary light-colored oil-paint containing hydrochloric acid.

- 1,462,221. FLYING TOP. LESTER WOLFE, New York, N. Y. Filed July 11, 1921. Serial No. 483,691. 9 Claims. (Cl. 244-2.)



1. A flying top comprising a circular flier with oblique vanes, and a central hub portion provided with axial aligned openings, an axial pin projecting through said openings and held in yielding engagement with the hub portion by tensioning means acting in opposition to axial movement of the pin in either direction, substantially as described.

- 1,462,222. PNEUMATIC PUMP. JAMES L. WRAY, Rock Island, Ill. Filed May 9, 1921. Serial No. 467,873. 3 Claims. (Cl. 103-248.)

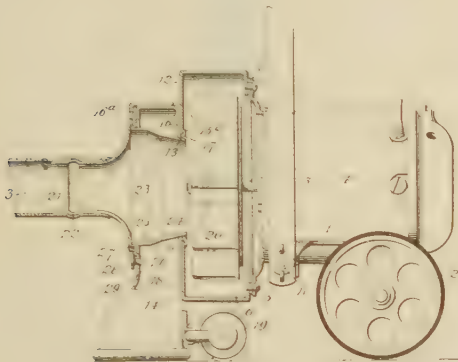


3. The combination with a main casing having a valved liquid inlet, of an outlet pipe within the casing having a check valve, superposed independently movable floats upon said pipe, a valve casing within the main casing and having a port communicating therewith, a pressure passage opening into said casing and an exhaust passage in communication with said valve casing, a valve within the valve casing, means for holding the valve normally positioned with the port in communication with the exhaust passage, means operated by the rise of one of the floats for releasing the valve, and means operated by the other float when the valve is released for shifting the valve to close the exhaust passage and place the pressure passage in communicating with the port.

- 1,462,223. VACUUM-CLEANING DEVICE. MORRIS S. WRIGHT, Worcester, Mass., assignor to M. S. Wright Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 21, 1916. Serial No. 121,479. 4 Claims. (Cl. 15-9.)

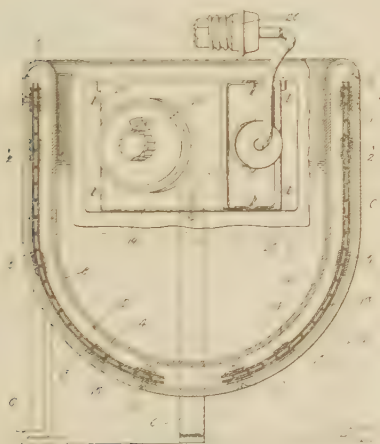
1. In a vacuum cleaning machine the combination of a fan casing having an opening in one wall thereof, a

nozzle having openings in the front and rear walls thereof with the opening in the front wall of increased diameter relative to that of the rear wall, the said rear wall of the nozzle having a flange part projecting through the opening of the fan casing and turned inwardly whereby to overlie the inner surface of the fan casing,



the said flange forming a smooth continuous engaging surface, and a coupling member of sheet metal having a tapered periphery insertable through the openings of the nozzle and adapted to conform to and frictionally engage said engaging surface, and means interposed between the nozzle and coupling member for maintaining such frictional engagement.

- 1,462,224. ELECTRIC COOKER AND MELTING POT. HAROLD C. BAUSERT, Brooklyn, N. Y. Filed Feb. 28, 1922. Serial No. 539,946. 4 Claims. (Cl. 219-44.)



1. An electric heating device of the class described, comprising an outer receptacle, and an inner receptacle nesting thereon, said receptacles being uniformly spaced, and high and low resistance heating units secured to the outer receptacle and disposed between the space defined by said receptacles, whereby high or low heat may be generated.

- 1,462,225. FOLDING LUNCH BOX. RAYMOND L. BRAZEE, Westfield, Mass., assignor to The Hampden Toy Company, Westfield, Mass., a Corporation of Massachusetts. Filed Nov. 12, 1921. Serial No. 514,543. 7 Claims. (Cl. 229-41.)

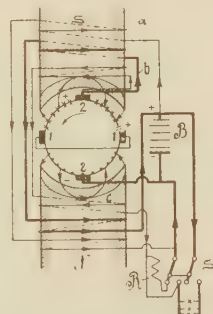
1. As an improved article of manufacture, a folding lunch box constructed from a single piece of material

bent and scored to provide a bottom adapted to be folded on itself lengthwise, back and front sides, end pieces and



bottom spreaders, end flaps adapted to be folded on themselves vertically, and a cover, and two rivets to fasten together said end pieces and end flaps.

- 1,462,226. INHERENTLY-REGULATED DIRECT-CURRENT DYNAMO. HANS CHARLET, Krefeld, Germany. Original application filed July 8, 1920, Serial No. 394,849. Divided and this application filed Apr. 3, 1922. Serial No. 549,299. 5 Claims. (Cl. 171-232.)

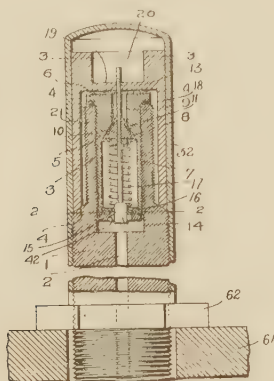


1. In an inherently regulated direct current dynamo, adapted to be used at will as either a generator or as a motor, the combination with a constantly excited primary field, a secondary field produced by the armature winding, a neutralizing winding on the magnet poles, and means for reinforcing the primary excited field, a plurality of sets of brushes, one set of brushes short circuited and located in the neutral zone of the said primary excited field, another set of brushes located in the neutral zone of the said secondary field and connected with a neutralizing winding disposed on the magnet poles, the primary field required for producing the working current being produced by the main current windings.

- 1,462,227. TIRE VALVE. WALTER E. COPITHORN, Natick, Mass. Filed July 15, 1920. Serial No. 396,381. 1 Claim. (Cl. 152-12.)

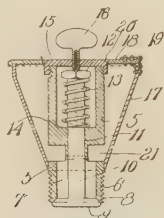
In a tire valve, the combination with a valve stem having an interiorly screw-threaded bore and an external shoulder, of a valve casing screw-threaded into said bore and provided with a conical valve seat, said casing having a non-circular head which fits against the end of the valve stem, a spring-pressed valve within the casing engaging said seat, said valve having a screw-threaded rod or projection extending therefrom through and beyond the casing, and a cap adapted to seat against the shoulder of the valve stem and having screw-

threaded engagement with said projection, whereby when the cap is turned the valve will be firmly forced against



its seat, said cap having a recess to fit the non-circular end of the casing and thus constituting a wrench for removing the casing from the valve stem.

1,462,228. SPRING ACTUATED CLOSURE. THOMAS CROCE and DOMINICK MORABITO, East Boston, Mass. Filed Jan. 24, 1922. Serial No. 531,389. 1 Claim. (Cl. 220—86.)

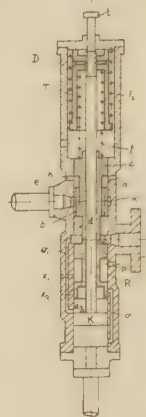


A closure for a receptacle having, in combination, a body portion provided with a bore open at its lower end, a cap detachably fastened to the upper end of said body portion, said body portion being adapted to be fastened to a receptacle in alignment with a hole provided in said receptacle, a funnel fast to and concentric with said body portion, said body portion being provided with a port opening from said funnel into said bore, a cover for said funnel, a valve adapted to close the open end of said bore, a valve stem slidably mounted in said body portion, a head on said valve stem, a spring interposed between said head and body portion and adapted to normally hold said valve in position to close the lower end of said bore and a screw having screw-threaded engagement with said cap and adapted to bear against the head of said valve stem whereby said valve may be locked in open position, said screw projecting outwardly through an opening in said cover.

1,462,229. PNEUMATIC BRAKE. IVAR DROLSHAMMER, Hamar, Norway. Filed May 5, 1921. Serial No. 467,146. 7 Claims. (Cl. 303—32.)

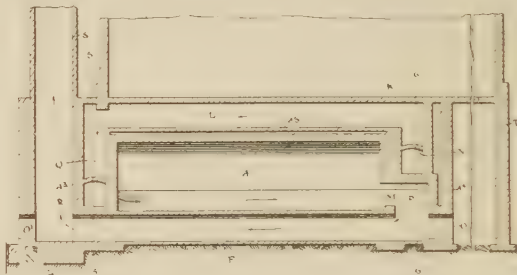
1. In a controlling valve for pneumatic brakes for railway vehicles and the like, an automatic slidable valve member, a chamber or conduit connected to the train pipe and by the pressure in which said valve member is controlled so that said valve member is caused to open a supply port to the brake cylinder when said pressure is reduced and said valve member is caused to be restored to closing position by the rising pressure in the brake cylinder, means for limiting the movement of the member

controlled by the air pressure, and means for adjustment of the said means for limiting the movement so



that the time required for the shorter movement may be substantially equal to the time required for the longer movement.

1,462,230. CREMATORY. AUGUSTUS CICERO FELTON, Jr., Macon, Ga. Filed Sept. 26, 1922. Serial No. 590,649. 4 Claims. (Cl. 110—12.)



1. A crematory structure comprising vertical side and end walls, a charging floor section supported upon the vertical side and end walls, a floor consisting of juxtaposed grate and garbage supporting sections, an arched roof overlying the floor and being spaced from the charging floor, said side wall having an inlet therein for admitting air to the space between the roof and the charging floor, walls cooperating with the said end walls and the arched roof for conducting the admitted air by tortuous paths from the inlet to a space below the grate section, a stack adjacent to one of said end walls, said garbage supporting section having a flue extending longitudinally thereof in adjacent underlying relation to the supporting surface thereof and being spaced from the end wall of the crematory remote from the stack to provide a port establishing communication between the one end of said flue and the space within the crematory structure below the arched roof, said flue being in open communication at opposite end with the stack, and a charging chute depending from the charging floor through the arched roof.

1,462,231. SPIRIT LEVEL. FREDERICK WILLIAM FOUSE, Muskogee, Okla. Filed Jan. 28, 1919. Serial No. 273,625. 4 Claims. (Cl. 287—9.)



3. An articulated device comprising a plurality of hinged sections, one of which is provided with rods

having their extremities extending beyond the end of said section and proportioned and positioned to enter orifices in the opposed section, and having lateral notches adapted to lockingly engage the sides of said orifices, and a resilient member positioned to be manually actuated and to move the rods yieldingly out of such locking engagement.

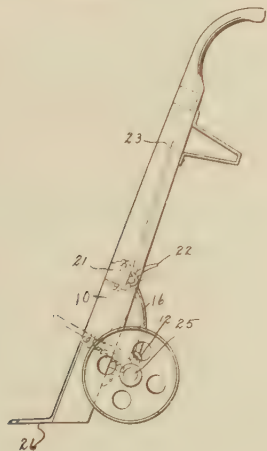
1,462,232. VALVED COLLAPSIBLE TUBE. HERBERT L. FRIZELL, Dorchester, Mass. Filed Apr. 5, 1920. Serial No. 371,227. 6 Claims. (Cl. 221—60.)



1. The combination with two pivotally connected parts and a rivet providing the pivot connection between them, of means for limiting the relative rotation between said parts comprising a lug projecting from the side of the rivet and notches in said parts in which the lug is contained, the sides of said notches serving as stops for the lug, and one of the notches being wider than the lug.

6. A collapsible container for fluid material of pasty consistency, having an end wall and a lateral outlet port, a valve cap embracing that part of the container in which said port is located and having likewise an end wall overlying the first named end wall, and further having a port adapted to be placed, by rotation of the valve, into and out of registry with the first named port, and a rivet passing through said end walls pivotally connecting the valve to the container, the container end wall having a notch and the rivet having a lug occupying said notch to limit rotation of the valve, and the rivet having also a flange covering said notch.

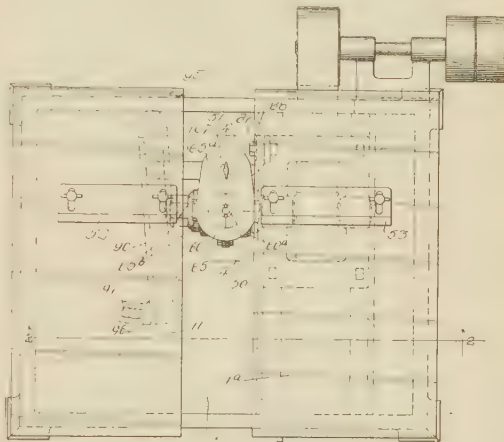
1,462,233. KICK-OFF FOR HAND TRUCKS. SAMUEL KERR, Caruthers, Calif. Filed July 5, 1921. Serial No. 482,479. 3 Claims. (Cl. 214—82.)



1. In a hand truck the combination of a frame composed of side members and cross members; wheels on one end of said frame adapted to support the same; handles on the other end of said frame; legs near said handles adapted to support said frame in a horizontal position; a fender on the end of said frame near said wheels adapted to prevent accidental displacement of the load carried by said frame; in combination with a kick-off device comprising a substantially U-shaped operating member pivotally mounted on the under side of one of the cross bars of said frame and having its free ends curved to extend downwardly and forwardly and terminating in eyes; a lever extending downwardly and out-

wardly from the center of said operating member, between its bearings; a substantially inverted U-shaped elevating member having its free ends terminating in eyes, said eyes being pivotally connected to the eyes of said first member; bearings pivotally mounted in the sides of said frame to extend outwardly therefrom adapted to have slidably mounted therein the legs of said U-shaped elevating member; and a coil spring connected at one end to the cross bars of said elevating member, and at its other end to an axle of said truck, adapted to normally hold said elevating member in its inoperative position.

1,462,234. ROUTING MECHANISM. EDWARD A. LAUGHLIN, Port Arthur, Tex. Filed Nov. 17, 1922. Serial No. 601,577. 10 Claims. (Cl. 144—144.)



1. A routing mechanism comprising two cutting tools, means for rotating the cutting tools, means for reciprocating said cutting tools while rotating, and means for revolving one of said cutting tools about the other as a center while reciprocating the same.

1,462,235. WINDOW SPRING. OSCAR A. LAWRENCE, San Francisco, Calif., assignor to Urban H. Roberts, San Francisco, Calif. Filed Dec. 2, 1920, Serial No. 427,724. Renewed Apr. 18, 1923. 2 Claims. (Cl. 292—76.)

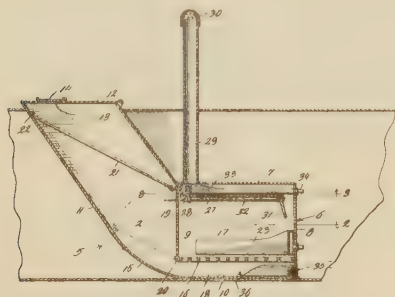


1. A device such as described comprising a strip of metal with a head portion thereon and an end portion formed in an arcuate contour; said head portion having a lateral projection adjacent the end thereof, bent at right angles thereto and terminating with an end rebended on a plane substantially parallel with that of the head portion.

1,462,236. COMPOSITION FOR VARNISH. RANNIE S. LLOYD, Maysville, N. C. Filed July 19, 1922. Serial No. 576,117. 6 Claims. (Cl. 134—26.)

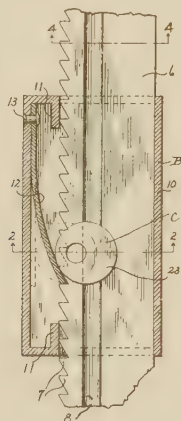
6. The process of preparing varnish which consists in mixing crude pine sap with spirits of turpentine in substantially the proportions of one to three; and heating the mixture to substantially 300 degrees F.

1,462,237. TANK HEATER. HOWARD LOCKHART, Falls City, Nebr., assignor to Emma L. Vernon, Akron, Colo. Filed Mar. 3, 1921. Serial No. 449,447. 7 Claims. (Cl. 126—367.)



1. In a tank heater comprising a body portion having a chute communicated therewith, a grate in said body portion, a horizontal partition above the grate, a water back arranged directly above the grate, and a second water back supported upon the partition.

1,462,238. SPARE-TIRE LOCK. CIRO R. MENNILLO, New City, N. Y. Filed May 18, 1922. Serial No. 561,976. 3 Claims. (Cl. 70—17.)

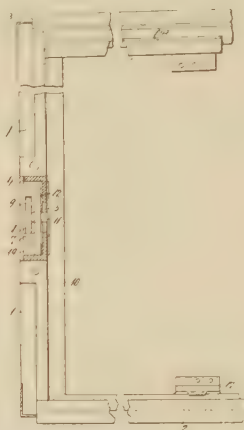


1. A securing device comprising a flexible steel band, a housing secured to one terminal of the band, a rack bar secured to the other end of the band for slidable association with the housing, and a laterally extending casing formed on one side of the housing, a cylinder lock disposed in the casing including a rotatable key operated plug, a resilient pawl disposed in said housing for engaging the rack bar, and a cam secured to said rotatable plug and disposed in the path of the pawl for moving the pawl out of engagement with said rack.

1,462,239. WINDOW, ESPECIALLY FOR RAILROAD, TRAMWAY, AND OTHER VEHICLES. ARTUR MOLLENKOPF, Lubeck, Germany. Filed July 6, 1920. Serial No. 394,399. 5 Claims. (Cl. 20—53.)

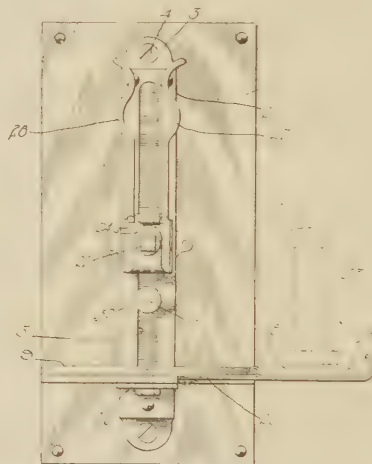
1. A window structure comprising a frame provided with an upper cross bar and a sill, a sash reversibly mounted in said frame with the rail at the top thereof normally spaced from the horizontal surface of said cross bar and the rail at the bottom normally engaged with said sill, and means for swingingly associating said sash with said frame, said means comprising a box carried by a jamb of said frame and provided with an opening and a pivot pin carried by the sash and extend-

ing into said opening, the distance between the opposite walls of said opening being greater than the diameter of said pin whereby the sash may be raised to clear the



sill, then moved laterally and downwardly to clear the lintel, and then swung toward reversed position while the pin rests on the bottom wall of the opening.

1,462,240. TELEPHONE SUPPORT. JOHN JOSIRA Moss, Chicago, Ill. Filed July 24, 1922. Serial No. 577,205. 5 Claims. (Cl. 248—20.)

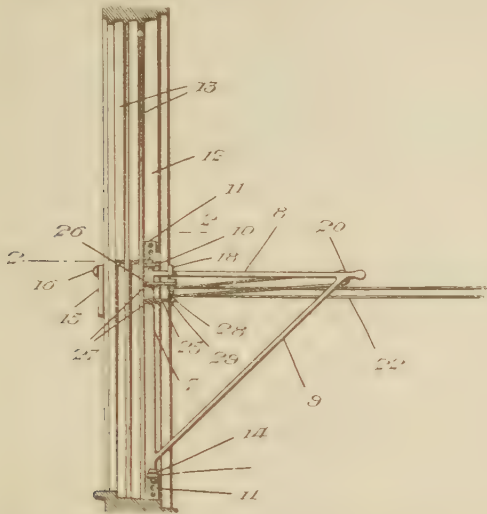


1. A device of the type described comprising a base, a casing having a longitudinal slot therethrough, a corrugated metal strip in said casing adjacent to said slot, a platform slidably supported in the slot in said casing, a lug forming a part of the supporting means for said platform, a bolt set in said supporting means adjacent to said lug and extending exteriorly of said casing, and a U-shaped spring member disposed on said bolt between the head thereof and the outer wall of said casing, whereby said lug may be yieldably held into engagement with said corrugated strip.

1,462,241. SAFETY CLOTHESLINE BRACKET. JOHN P. MUMFORD, Brooklyn, N. Y. Filed May 17, 1921. Serial No. 470,345. 1 Claim. (Cl. 68—3.)

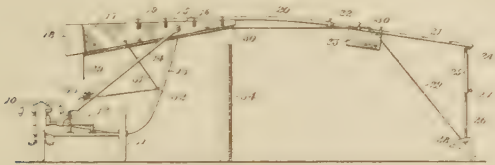
A clothes line bracket having a vertical shaft, means for supporting said shaft for turning movement, a clothes line pulley carried by the bracket, a pair of arms mounted loosely on said shaft to turn around said shaft and

adapted to receive the clothes line between them, means on said shaft for supporting said arms in the desired



vertical position, said arms having apertures, and a pin insertable in said apertures to retain the clothes line between said arms behind said pin.

1,462,242. RACING DEVICE. EUGENE F. PANARIO and WILLIAM B. CROSS, Sacramento, Calif. Filed Oct. 27, 1920. Serial No. 420,012. 13 Claims. (Cl. 46-73.)



13. In a racing device of the class described, a conveyor, an extension arm supported by the conveyor and disposed at right angles thereto, a lure suspended from the outer end of the arm, a housing carried by the arm and positioned adjacent the outer end, and means for raising or lowering the lure with relation to the housing to cause the lure to disappear at any time desired.

1,462,243. SOAP. PAUL LÉON EUGÈNE PECH, Narbonne, France. Filed Jan. 4, 1921. Serial No. 435,014. 2 Claims. (Cl. 87-5.)

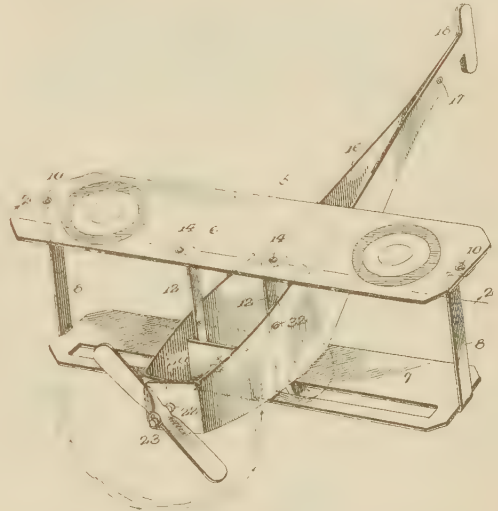
2. A soap prepared by means of the following materials in the following approximate proportions:

Cocoa nut oil 100 kilograms.
Anhydrous caustic soda 4,750 kilograms.
Silicate of soda 5 kilograms.
Anhydrous caustic potash 6 kilograms.
4 per cent solution of chlorate of potash 100 kilograms.

1,462,244. TOY AEROPLANE. WALTER A. PIPER and ARTHUR V. NAEGELE, Chicago, Ill. Filed Oct. 26, 1921, Serial No. 510,499. Renewed May 22, 1923. 5 Claims. (Cl. 244-14.)

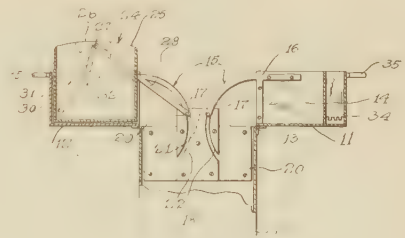
3. An aeroplane consisting of upper and lower wings, the lower wing being provided with upwardly extending struts having their end portions extended angularly, metallic eyes connecting the angularly extended end portions of said struts and the end portions of said upper wing, a fuselage arranged between said wings and having sides, the rear portions of said sides being connected by a metallic eyelet, said lower wing being provided with integral upwardly extending struts hav-

ing their end portions extended angularly and in contact with the under side of said upper wing, metallic eyelets securing the angularly extended end portions of said second named struts to the intermediate portion of said upper wing, the forward portions of said sides of the fuselage being overlapped, a metallic eyelet joining



the overlapped ends of the sides of said fuselage and constituting a bearing, a propeller shaft extended through said bearing, the forward longitudinal edge of the lower wing being provided with upwardly extending portions having an opening, a metallic eyelet carried by said upwardly extending portion and rotatably receiving said shaft, and a propeller secured to said shaft.

1,462,245. TOOL OR IMPLEMENT CASE. CARL W. REGLEIN, Houston, Tex. Filed July 3, 1922. Serial No. 572,437. 6 Claims. (Cl. 190-19.)

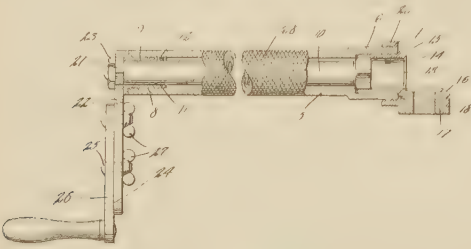


1. A tool case comprising a hollow body open at its upper end, opposed lid sections hinged to the upper edge of the body and each angular in cross section and adapted to close the body when the lid sections are closed, means limiting the outward movement of the lid sections to a position at right angles to the body to thereby support the lid sections with one wall in a horizontal plane extending from the top edge of the body, a tray, and means supporting the tray normally in a middle position with relation to the body but acting to swing the tray into a position resting flat upon said horizontally disposed wall of one lid section when the lid sections are fully opened.

1,462,246. WRENCH. THOMAS M. RENICK, Morgantown, W. Va. Filed Dec. 31, 1921. Serial No. 526,211. 1 Claim. (Cl. 81-57.)

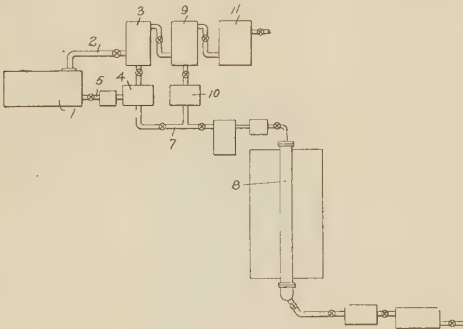
In a wrench, a tubular body portion having an enlargement at one end thereof, and having external threads, a sleeve positioned within the enlargement, said sleeve having teeth at one end thereof providing a bev-

eled gear, a head having a circular threaded portion adapted to be positioned over the threaded portion of the enlargement to secure the head to the tubular body portion, said head extending laterally from one end of the tubular body portion, a sleeve carrying a beveled



gear cooperating with the first mentioned beveled gear, the last mentioned sleeve being positioned in the head, a shaft operating in the tubular body portion and having a squared end fitted in the first mentioned sleeve, and an adjustable handle at one end of the shaft to rotate the same.

1,462,247. TREATMENT OF HYDROCARBONS. WALTER F. RITTMAN, Pittsburgh, Pa. Filed Feb. 5, 1917. Serial No. 146,719. 1 Claim. (Cl. 196—25.)



The process herein described for forming a low boiling hydrocarbon from a high boiling hydrocarbon which consists in cracking the high boiling hydrocarbon, segregating from the products of cracking the end product desired and then cracking the remaining hydrocarbons, one of the cracking operations consisting in subjecting the hydrocarbons in a relatively large liquid mass, to heat and pressure suitable for the production of the end product desired, segregating such end product, and the second operation consisting in vaporizing the material remaining after such segregation and subjecting such vapors to heat and pressure and for a period of time suitable for the formation of the desired end product.

1,462,248. AUTOMATIC SEMAPHORE SIGNAL SYSTEM. ROBERT L. ROCKWELL and ERNEST G. HOWE, Seattle, Wash., assignors, by mesne assignments, to Ernest G. Howe, trustee, Seattle, Wash. Filed June 12, 1918. Serial No. 239,673. 2 Claims. (Cl. 246—90.)



1. An automatic signal system for railways comprising a series of semaphore arm signals disposed along the track of said railway, local circuits for each of said semaphore arm signals, primary relay circuits provided with simple and differentially wound relays for controlling said local circuits, a series of batteries for said primary relay circuits disposed at selected points along said railway, motors provided with limit switches for

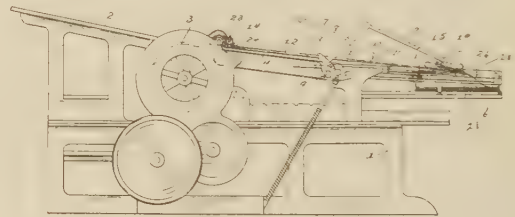
actuating said semaphore arm signals, switches operatively connected to said batteries, and means provided on the cars of said railways for engaging said switches and reversing the terminals of said batteries whereby said motors will be started and said limit switches will be caused to automatically break the circuit to and arrest said motors and provide circuits through the motor windings upon the completion of the new position of the semaphore arms whereupon when the original relay connections are made said motors will return the semaphore arms to their original positions and cause the said limit switches to be returned to their original positions.

1,462,249. TIRE-CHAIN TIGHTENER AND LOCK. LEWIS SLAMA, Humboldt, Nebr. Filed Feb. 2, 1922. Serial No. 533,599. 3 Claims. (Cl. 24—69.)



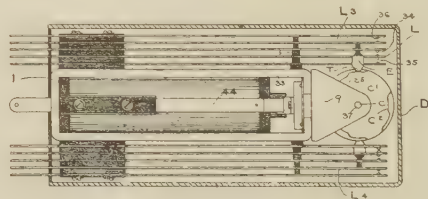
1. A device of the type described comprising a member having a hook portion, and having an opening therein, a U-shaped member pivotally secured to said first named member and being adapted to receive said first named member, said U-shaped member having a hook portion adapted to be aligned with said first named hook, and a spring pressed pin carried by said U-shaped member and being adapted to enter the opening, said first named member having a beveled edge adapted to force said pin outwardly when said pin is moved thereby.

1,462,250. FLAT-BED PRINTING PRESS. MARTIN F. SLATTERY and HOWARD MCALONIE, Cohoes, N. Y. Filed Apr. 12, 1922. Serial No. 551,764. 13 Claims. (Cl. 271—84.)



1. In a printing press having a cylinder, and a delivery-bed, the combination with sheet-delivery mechanism for transferring a printed sheet from the cylinder to the delivery-bed; of sheet-guarding mechanism overhanging the path of the delivered sheet from a point above the delivery-bed to a point adjacent to said cylinder, said sheet-guarding mechanism being automatically extensible and contractible in the operation of the press.

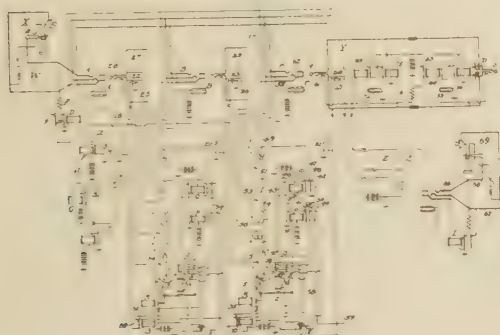
1,462,251. SEQUENCE SWITCH. FRANK M. SLOUGH, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed May 8, 1918. Serial No. 233,202. 12 Claims. (Cl. 179—27.5.)



5. In a sequence switch, a rotatable cam shaft, a plurality of separate cams secured thereto, means to rotate the said

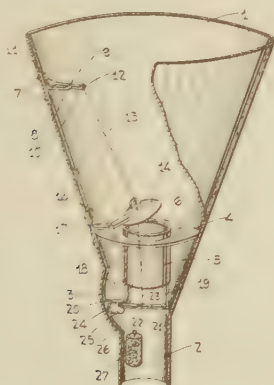
shaft, and means to cause alternate cams in their motion to operate contact springs located on the same side of the said shaft, the other cams operating contact springs on the opposite side of the said shaft.

1,462,252. TELEPHONE-SIGNAL-ALLOTING SYSTEM. JOHN A. TAGGART, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 24, 1918. Serial No. 213,584. 28 Claims. (Cl. 179—54.)



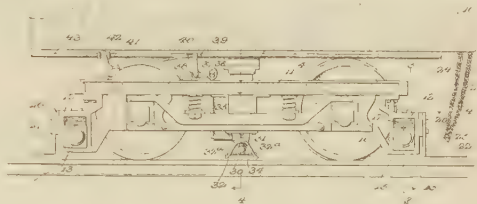
27. In a telephone system, a main station having operators' positions, a plurality of telephone lines terminating in said operators' positions, signals at said operators' positions for indicating that said telephone lines are calling, automatic means for allotting operators' positions for use, progressively movable automatic switches for disabling certain of said signals except those at an allotted operator's position, and operator's mechanism for controlling said switch.

1,462,253. AUTOMATIC FUNNEL. NEILS TOBIASSON, Orton, Alberta, Canada. Filed May 16, 1922. Serial No. 561,493. 3 Claims. (Cl. 226—37.)



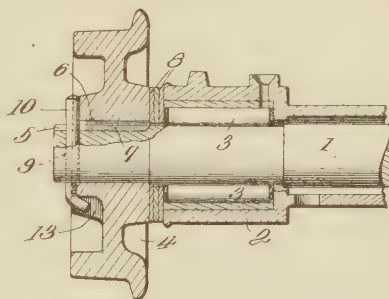
1. A device of the character described, comprising a casing, a tubular extension formed with said casing, a disk dividing the casing into upper and lower sections, a tubular member disposed in said disk and communicating with the casing sections, a valve plate arranged on said tubular member for closing the same, a latch member arranged on said tubular extension, a wire connection between said valve plate and latch, a catch member connected to said extension and adapted for engagement with said latch, a float member connected to the catch member, the tubular extension of said casing adapted for insertion within the neck of a bottle to be filled, a rigid connection between the said float and catch member, and the said catch member being adapted for release from the latch member upon the elevation of said float member.

1,462,254. SAFETY APPARATUS FOR RAILWAY ROLLING STOCK. HOMER SPELLMAN VOTAW, Choptaka, Wash. Filed Aug. 10, 1922. Serial No. 580,975. 8 Claims. (Cl. 246—171.)



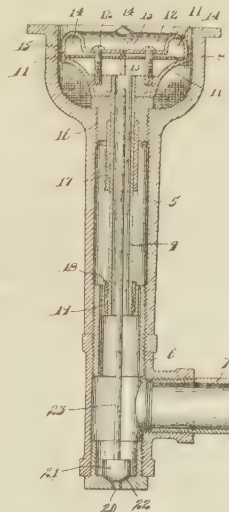
7. A safety apparatus for railway rolling stock embodying a car truck and comprising rotatable shafts carried by the car truck and engageable with the rails upon derailment of the car, said shafts having a pair of flanges engageable with either side of the rails.

1,462,255. RUNNING GEAR FOR WHEELED VEHICLES. HAROLD E. AUSTIN, Louisville, Ky., and JESSE C. COOK, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky., a Corporation of Indiana. Filed Dec. 8, 1922. Serial No. 605,729. 2 Claims. (Cl. 295—43.)



1. Running gear for wheeled vehicles including a revolvable axle having a longitudinal slot and a transverse bore near each wheel carrying end, a wheel keyed to such axle through such slot, the hub of said wheel being slotted diametrically on one face and having a recess at one end of said slot, and a pin extending through the bore of said axle and seated in the slot of said wheel, the end of said pin being bent to lie in said recess.

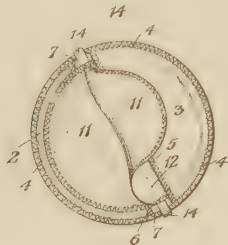
1,462,256. LAWN SPRINKLER. LOUIS D. BARNEY, Chicago, Ill. Filed May 28, 1918. Serial No. 236,983. 4 Claims. (Cl. 299—61.)



1. A device of the class described comprising a vertically disposed tubular housing having an inlet opening and a

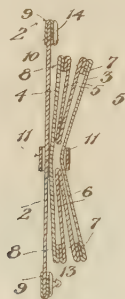
drain valve in the lower portion thereof; a spraying device in the form of a tube revolubly and slidably mounted in said housing and provided with an upwardly opening groove about its lower end portion; and a ring of wood mounted within said groove and supported thereby, adapted, by engagement with a fixed metal portion of the housing, to limit the upward movement of the tube, substantially as described.

1,462,257. POWDER PUFF AND COVER THEREFOR. MAX BROCK, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Jan. 6, 1923. Serial No. 611,124. 6 Claims. (Cl. 132—78.5.)



3. An article of the class described comprising a powder puff having a pair of powder-applying surfaces folded upon themselves and normally extending in opposite directions, a case secured to said puff between said powder-applying surfaces, and a pair of pockets on said case for enclosing said powder-applying surfaces.

1,462,258. POWDER PUFF. MAX BROCK, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1923. Serial No. 614,970. 2 Claims. (Cl. 132—78.5.)

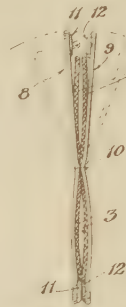


1. An article of the class described comprising a puff having a pair of powder-applying surfaces which are normally folded, a flat cover located on one side of said puff and forming a backing therefor, said puff and cover being adapted to be folded on a line located between the folded powder-applying surfaces to enclose said puff between the folded portions of the cover, and detachable means for holding the puff and cover in said folded condition.

1,462,259. POWDER PUFF. MAX BROCK, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1923. Serial No. 614,971. 3 Claims. (Cl. 132—78.5.)

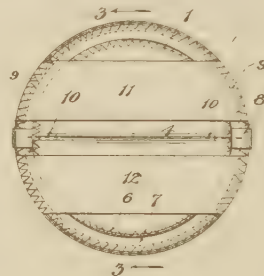
1. An article of the class described comprising a powder puff having a pair of normally folded powder-applying

surfaces, flat sections of material independent of said puff being secured on opposite sides of said puff and interen-



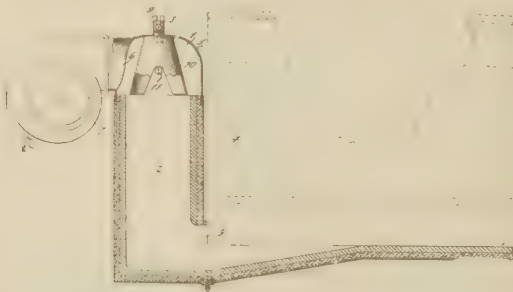
gaging, detachable fastening means for uniting the opposite edges of said sections being secured to the sections on their inner faces and adjacent their edges.

1,462,260. POWDER PUFF. MAX BROCK, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1923. Serial No. 614,972. 3 Claims. (Cl. 132—78.5.)



2. An article of the class described comprising a powder puff, a flexible disk on which said puff is adapted to be secured and spaced-apart parallel straps extending across the face of said disk and adapted to maintain the puff flat upon said disk.

1,462,261. LIQUID-FUEL BURNER. GEORGE ALFRED BRYAN, Peru, Ind., assignor to Bryan Harvester Company, a Corporation of New Mexico. Filed June 18, 1921. Serial No. 478,682. 4 Claims. (Cl. 158—76.)



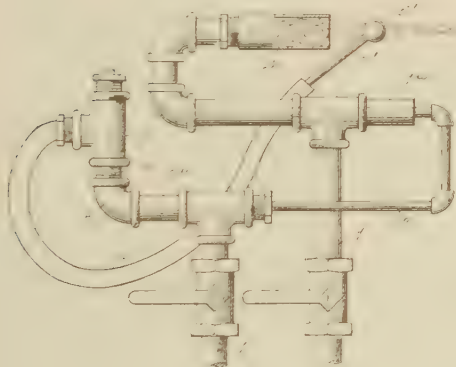
1. A fuel oil burner comprising a mixing chamber having an opening in one side for the admission of oxidizing fluid, an atomizer for the fuel oil entering an end of the mixing chamber, means for directing oxidizing fluid under pressure into the opening in the side of the mixing chamber, and a shield member surrounding the atomizer and extending in front of the opening in the side of the chamber, a portion of the two opposite sides of the shield member in the line transverse that of the opening in the side of the chamber and extending substantially above the plane of the bottom of the opening being cut away.

1,462,262. EYELET TACK. JOHN P. BRYANT, Chicago Ill. Filed Feb. 23, 1922. Serial No. 538,809. 1 Claim. (Cl. 156—40.)



In combination with a curtain shade stick, a tack having a concave body portion and a wing portion bent thereover to form an eyelet, said tack driven into said stick, and bent so that the eyelet lies thereagainst; and a flexible member secured in said eyelet.

1,462,263. AIR-CONTROL VALVE. LEE F. CHANEY, Springfield, Ohio, assignor to The Chaney Manufacturing Company, Springfield, Ohio, a Corporation of Ohio. Filed Nov. 12, 1920. Serial No. 423,656. 7 Claims. (Cl. 251—137.)

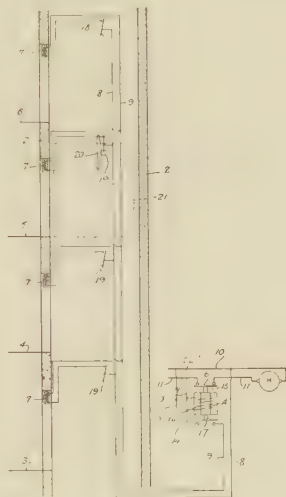


2. A pressure chamber, having a vent orifice to be closed by the finger of the operator, a control valve admitting pressure to said chamber, and finger operated means for opening said valve manipulated by the application of the operator's finger to the vent orifice.

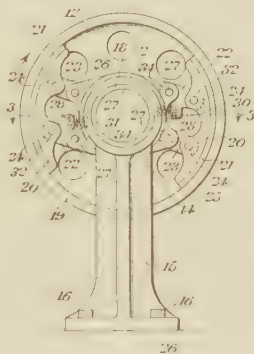
1,462,264. SAFETY ELEVATOR INTERLOCK. FRANK M. COFFIN, Pelham, N. Y. Filed Apr. 23, 1921. Serial No. 463,746. 5 Claims. (Cl. 187—31.)

5. The combination with an elevator having doors normally retained in locked position and means for operating the elevator, of an electromagnet adjacent to each of said doors for unlocking the same, said electromagnets being electrically connected with a source of energy, a circuit-controlling device in the circuit of each of said members and operable to close said circuit during movement of the elevator, an electromagnet having a pair of circuit-closing elements one effective to close a circuit through said elevator-operating means and the other to close the circuit through said circuit-controlling devices, said circuit-closing elements being so disposed

that one is in circuit-closing position and the other in circuit-breaking position when the electromagnet is energized and vice versa when the electromagnet is deenergized, and means for closing a circuit through the coil of said electromagnet thereby to energize the same.

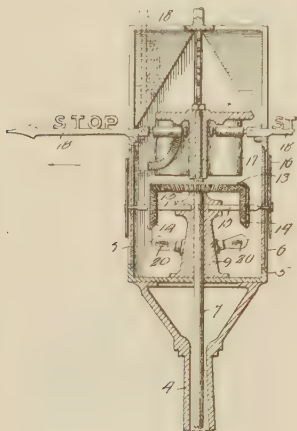


1,462,265. BRAKE FOR ELECTRIC-MOTOR-OPERATED HOISTS. MATTEO COSULICH, New York, N. Y., assignor to Thomas & Buckley Hoisting Co., New York, N. Y., a Corporation of New York. Filed Oct. 27, 1921. Serial No. 510,703. 1 Claim. (Cl. 188—82.)



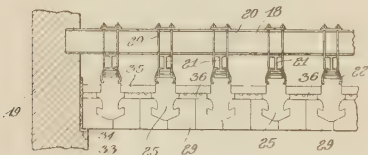
In an electric motor operated hoisting apparatus, the combination of a brake drum fixed on the armature shaft and having an internal braking surface concentric with the shaft, two brake shoes within the drum and arranged to engage the drum at diametrically opposite points, a stationary support forming a bearing for the armature shaft, a pair of outwardly extending links within the drum at each side of the said support, one link of each pair being tangential, means pivotally connecting the inner ends of the links of each pair to said support at opposite sides thereof, means pivotally connecting a brake shoe with the outer ends of the links of each pair, and spring means normally tending to swing the links in one direction to bring the brake shoes into engagement with the brake drum, whereby the thrust of the brake shoes will be in opposite directions and will be balanced on the said bearing support.

1,462,266. TRAFFIC REGULATOR. GEORGE C. DEGENER, Long Beach, Calif. Filed Nov. 3, 1920. Serial No. 421,536. 10 Claims. (Cl. 116-63.)



2. A traffic regulator comprising a supporting base, a vertical tubular post rising therefrom, a rectangular casing mounted on said post and having in each side thereof a transparent dial, a pivoted indicating arm in each side of the casing normally standing in horizontal position, extending outwardly, a continuously rotatable shaft extending through said post into the casing, a cam cylinder on said shaft coacting with said arms to intermittently turn them into vertical position, a gear wheel on the shaft, short horizontal shafts mounted in the casing geared with said gear wheel and extending out through said dials and carrying hands on their outer ends to indicate on said dials the movements and positions of the cams of said cam cylinder.

1,462,267. FURNACE ARCH. ROGER D. DE WOLF, Rochester, N. Y. Filed Aug. 18, 1920, Serial No. 404,425. Renewed June 7, 1923. 20 Claims. (Cl. 110-95.)

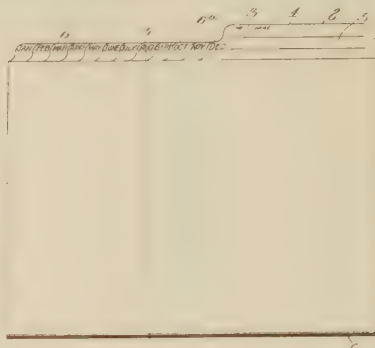


1. A furnace arch comprising a plurality of supporting elements, a plurality of hanger bricks supported by each of said elements independently of the other elements by means providing for the lowering and replacement of the bricks through the combustion chamber, and lining bricks carried by said hanger bricks to protect the latter and form a complete lining for said arch.

1,462,268. FILING INDEX. PAUL DIETRICH, Cleveland, Ohio, assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y., a Corporation of New York. Filed Aug. 16, 1920. Serial No. 403,785. 3 Claims. (Cl. 129-16.5.)

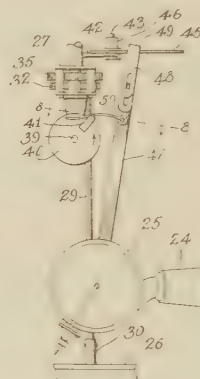
1. An index file comprising a plurality of alined or superposed units, one behind the other and provided with projecting index tabs embodying a group designation

and an individual name designation for each unit, the individual name designations being all similarly placed



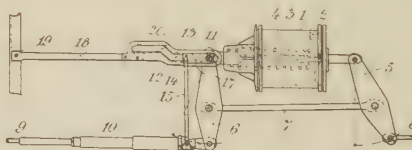
and in alinement and unlike group designations being relatively and progressively offset to be simultaneously viewable.

1,462,269. SOUND-REPRODUCING MACHINE. GIOVANNI DI FALCO, New York, N. Y. Filed Feb. 1, 1922. Serial No. 533,247. 6 Claims. (Cl. 274-15.)



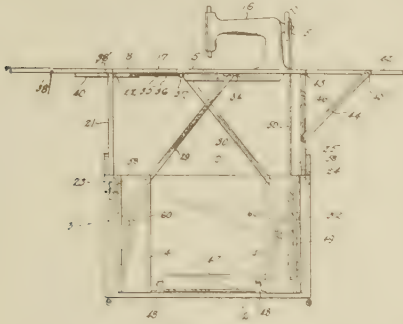
1. A repeating mechanism for sound reproducing machines, comprising a rotatable member, means involving a train of gears for rotating said member, said member being provided with an adjustable platform and a part carried by the tone arm of the machine adapted to be engaged by said platform to move said tone arm transversely of the record supporting table of the machine.

1,462,270. AUTOMATIC SLACK ADJUSTER FOR BRAKES. AXEL RUDOLF KONRAD DJURSON, Malmö, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Stockholm, Sweden, a Company. Filed Apr. 27, 1921. Serial No. 464,864. 4 Claims. (Cl. 188-202.)



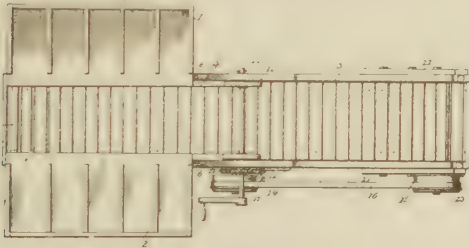
2. An air brake controller having a piston rod, a slack adjuster, a member for operating the slack adjuster, a guide formed with a slot slidably receiving a connection from said member and a connection from said piston rod, means joining said connections, said guide being movably mounted to respond to loose play of the piston rod, said guide being formed to positively operate said member in a predetermined movement of the piston rod.

- 1,462,271. SEWING-MACHINE CABINET AND SEAT. MADDALENA H. ENNIS, Ansonia, Conn. Filed Sept. 26, 1922. Serial No. 590,625. 5 Claims. (Cl. 45-27.)



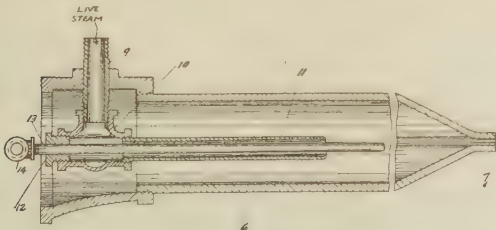
2. A machine cabinet comprising a box-like base having front, rear and end walls, supports hinged to the base adapted to be placed in upright positions or in horizontal superimposed positions in the cabinet, one of said supports when in the latter position forming a cover for the cabinet, a machine support hinged to one of said supports and comprising a plurality of sections hinged together, means for holding the hinged sections in alignment, and means for detachably connecting the machine support with the other support when the latter is in upright position.

- 1,462,272. LOADING DEVICE. NICOLAUS W. FABECK, Freeport, Minn. Filed May 5, 1921. Serial No. 466,985. 4 Claims. (Cl. 198-203.)



1. A manure loader comprising a frame, a portion of which is angularly disposed, rollers at the ends thereof, the roller at one end of said frame being adjustably supported in place, an additional roller intermediate of the aforesaid rollers, an endless carrier disposed over said rollers, a plurality of smaller rollers in said frame supporting the upper strip of the carrier, means for retaining the upper strip of the carrier in contact with said additional roller, means for manually rotating said carrier, and an adjustable scraping member adapted for contact with the lower strip of the carrier below the adjustable roller.

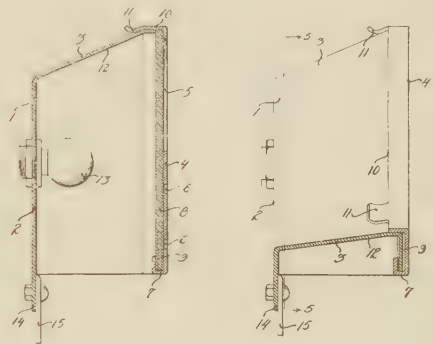
- 1,462,273. SMOKE CONSUMER. FREDERICK P. FISCHER, Chicago, Ill. Filed May 13, 1920. Serial No. 380,961. 1 Claim. (Cl. 110-60.)



A device of the class described including a tubular member having a flattened end portion and an orifice

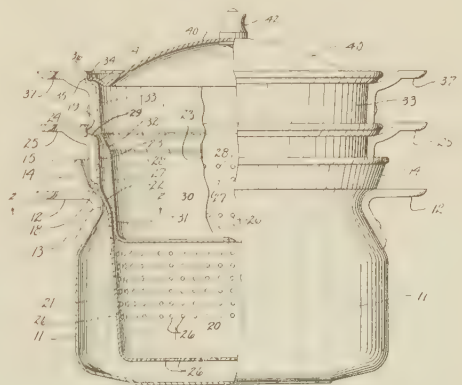
formed in said end portion, a reducer at the opposite end of said tubular member and open for the admission of atmospheric air, a steam pipe carried by said reducer and extending into the interior thereof and carrying a T at the interior end, a pipe carried at one end of said T and in communication with said steam pipe and extending into the interior of said tubular member, a plug having a central opening formed therein at the opposite end of said T, and a pipe passing through the opening of said plug and said second named pipe and extending beyond the inner end of said pipe for delivering water vapor to the interior of said tubular member to be ejected through said orifice by the steam from said second second named pipe.

- 1,462,274. REAR LAMP FOR AUTOMOBILES. MICHAEL FRASCADORE and ROMEO VALLONE, Philadelphia, Pa. Filed Oct. 24, 1922. Serial No. 596,563. 6 Claims. (Cl. 40-131.)



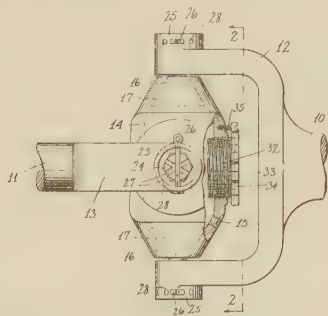
1. A rear lamp for automobiles comprising a rear wall; a front wall having an opening; a top wall sloping rearwardly; resilient means affording attachment of the front wall to the top wall; a channeled lower edge on the front wall; a transparent closure member in the channel covering the opening; and illuminating means to the rear of the closure member.

- 1,462,275. COOKING UTENSIL. KARL GAMMEL, Cleveland, Ohio. Filed May 21, 1921. Serial No. 471,427. 7 Claims. (Cl. 53-2.)



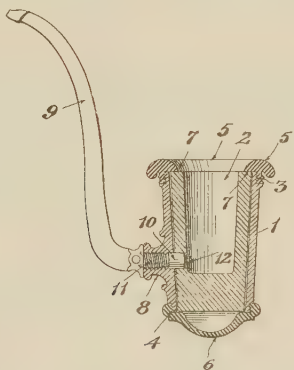
5. In a cooking utensil, a plurality of nested members adapted for use in combinations, and a handle secured to an intermediate one of said members constructed to rigidly support said intermediate member upon the member outwardly adjacent thereto, and to furnish support to the member inwardly adjacent thereto.

1,462,276. UNIVERSAL JOINT FOR SHAFTS. HARRY C. GRANT, Bayonne, N. J. Filed Sept. 9, 1921. Serial No. 499,462. 2 Claims. (Cl. 64-102.)



1. A universal joint comprising a central member having a lubricant chamber, hollow bosses located upon said member in pairs at right angles to each other and communicating with the lubricant-chamber, the inner surfaces of said bosses converging outwardly, fork members straddling each pair of bosses, a driving shaft connected with one of said fork members, a driven shaft connected with the other fork member, tapered plugs fitted within said bosses and constituting bearings for said central member, shanks projecting outwardly from said tapered plugs into said fork members and means whereby said shanks are adjustably secured in said fork members.

1,462,277. CASING FOR SMOKING PIPES. LOUIS GRAVEURE, New York, N. Y. Filed Sept. 21, 1921. Serial No. 502,261. 2 Claims. (Cl. 131-12.)

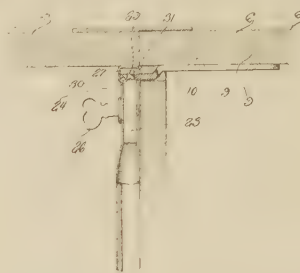


2. An article of the class described comprising a casing for a corn cob pipe consisting of a tubular metal member having a projecting internally-threaded boss extending from one side thereof, a pipe bowl received within said member with its stem opening in alignment with said boss, means on one end of the member for retaining the pipe bowl within said member, and a stem having a threaded end adapted to be received in said boss and into the stem opening in the pipe bowl.

1,462,278. LOCKING BAR. FREDERICK J. GREENE, Racine, Wis., assignor to Greene Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed May 5, 1922. Serial No. 558,780. 8 Claims. (Cl. 45-94.)

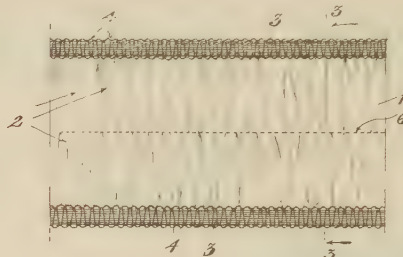
6. A locking device for a removable drawer, comprising a substantially tubular sheet metal locking bar having rearwardly extended flanges and inwardly directed flanges, the inwardly directed flanges being spaced from the front of the bar and terminating at a point slightly inwardly of one end of the bar, a part projected over the top of the bar end to form a keeper receiving recess, the front of the bar at the keeper receiving recess being bulged outwardly to accommodate a keeper, a lock concealed within the bar and confined between the front face thereof and the rearwardly

and inwardly directed flanges, said lock having a bolt projectable into the keeper receiving recess, and a keeper



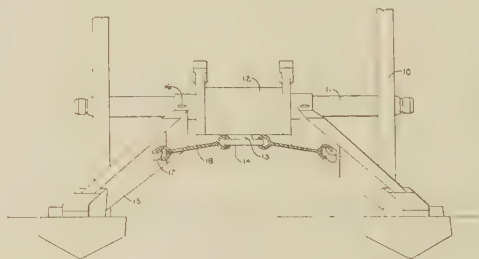
adapted to have its outer end concealed in said recess and engaged by the lock bolt to secure the locking bar in position.

1,462,279. ELASTIC FABRIC. VICTOR GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed June 4, 1920. Serial No. 386,564. 1 Claim. (Cl. 154-48.)



An article of the class described, comprising a strip of gathered or shirred textile fabric having a plurality of spaced narrow strips of elastic secured to it by stitching, some of said strips being secured on one face of the fabric and a strip on the opposite face thereof, two of said strips constituting flat, unshirred elastic strips at the opposite longitudinal edges of said fabric strip, and over-stitching enclosing said edge strips to secure the same to one face of the fabric strip and to provide a reinforcement for the edges of said fabric strip.

1,462,280. TRAIL STOP. DAYTON A. GURNEY, Caro, Mich. Filed May 19, 1922. Serial No. 562,239. 1 Claim. (Cl. 89-40.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

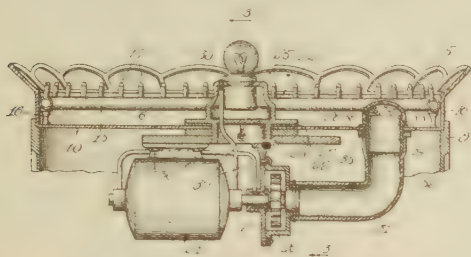


The combination with a gun carriage, including an axle, a top carriage mounted on the axle, a center pin carried by the top carriage, a bearing ring mounted on the pin, and a pivotally mounted pair of trails, of a flexible connection between each trail and the bearing.

1,462,281. ELECTRIC FOUNTAIN. WALTER L. HAA-NEL, Chicago, Ill. Filed Apr. 15, 1920. Serial No. 374,194. 5 Claims. (Cl. 299-4.)

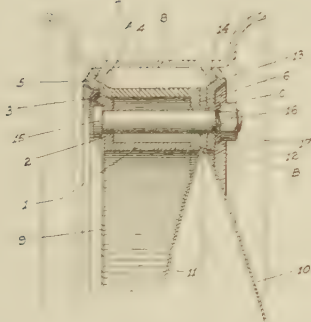
1. An electric fountain having a basin, a lamp receptacle housing extending above and projecting through

the bottom of the basin, a power pump unit comprising a motor and pump supported from the housing below the



basin, a removable water projector supported in the basin, and water connections between the pump and the projector.

1,462,282. FIXED-RIM CONSTRUCTION FOR DISK WHEELS. LOUIS B. HARVEY, Stockton, Calif., assignor to Harvey Rim & Wheel Company, Inc., Buffalo, N. Y. Filed Mar. 16, 1920, Serial No. 366,215. Renewed May 9, 1921. Serial No. 468,048. 6 Claims. (Cl. 301—23.)

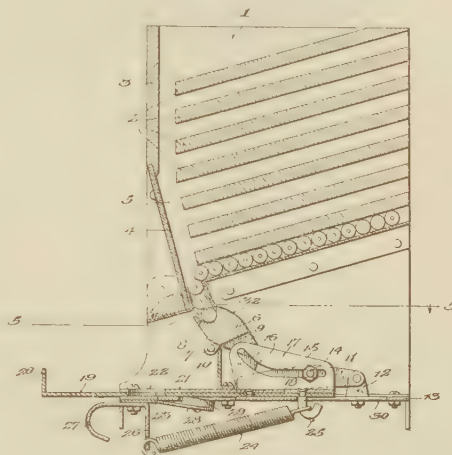


1. A built-up fixed rim structure comprising a ring having an outwardly projecting flange on one edge thereof, such flange terminating in an outwardly flared portion, another ring having a shoulder seating on the flared portion of the flange and being welded thereto, and having also an inwardly projecting annular flange on the opposite side extending past the first named ring to the inner edge thereof and being welded thereto, and a removable rim-locking ring positioned on the outside of the last named flange and adapted to be held thereagainst.

1,462,283. VENDING MACHINE. PETER J. HEGNES, Canton, S. Dak. Filed May 9, 1921. Serial No. 467,825. 3 Claims. (Cl. 211—8.)

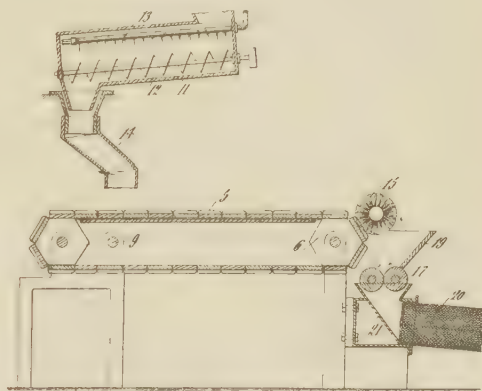
1. In a vending machine, a casing, an article holding magazine having a discharge, a stationary horizontal plate located below the discharge and having a coin-opening, a vertical plate located rearwardly of the coin-opening and extending upwardly from the horizontal plate and towards the discharge and spaced from the latter, an approximately oval-shaped delivery member in the space between the discharge and vertical plate and having a depending pivot located so that the ends of the delivery member extend on opposite sides of the

vertical plate, a coin-controlled slide below the horizontal plate, a slotted plate carried by the slide, a horizontal arm pivoted to the casing at one end, a vertical link pivoted at one end to the other end of the arm and at



its other end to the rear end of the delivery member, and a projection on the arm located between the ends thereof engaging in the slot of the slotted plate, said slot being formed to effect article discharging movement of the delivery member upon actuation of the slide.

1,462,284. METHOD OF MAKING HYDRATED LIME. MAX HERMANN, New York, N. Y. Filed Jan. 12, 1921. Serial No. 436,675. 1 Claim. (Cl. 222—4.)

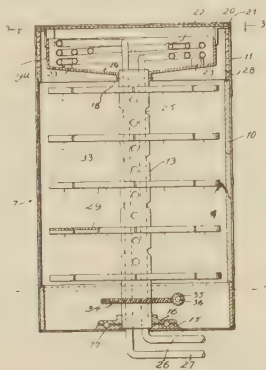


The method of making hydrated lime which consists in subjecting lump lime to a water spray under a relative movement of the lime with reference to the spray, then causing the so moistened lime to fall upon, become distributed over and be exposed to evaporative action on a moving means, and then collecting the product in the form of powdered hydrated lime.

1,462,285. REFRIGERATED DISPLAY APPARATUS. GEORGE HILGER, Chicago, Ill. Filed Aug. 25, 1922. Serial No. 584,235. 6 Claims. (Cl. 62—37.)

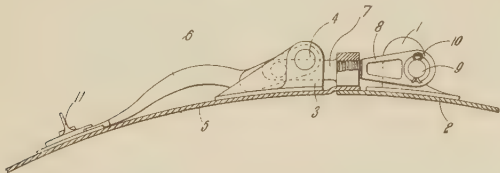
1. A display apparatus comprising a casing, a central tubular column mounted for rotation on a vertical axis in said casing, means carried by said column for rotation therewith adapted to support products to be preserved, said column having a plurality of openings therein adjacent said supporting means, and means providing a refrigerating chamber in the upper portion of the casing having a central opening in its bottom wall

through which the upper open end of said column projects and having a coil therein with supply and return



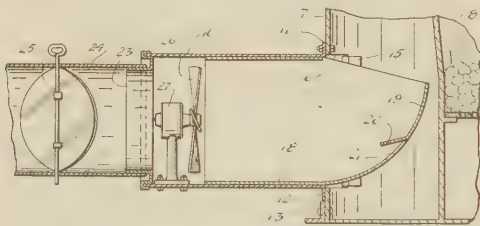
pipes depending through said column, said refrigerating chamber being arranged to communicate with the lower portion of the case at the sides thereof.

1,462,286. WASH MACHINE. WILLIAM JEPSON, London, England. Filed Mar. 14, 1922. Serial No. 543,681. 4 Claims. (Cl. 220—55.)



1. A washing machine, a door therefor, a toggle mechanism hingedly mounted on one of said parts, a projection on the other of said parts to be engaged by said toggle mechanism, and an element formed on the toggle mechanism to engage and bear directly upon the door when the toggle mechanism is in locked relation.

1,462,287. HOT-AIR FURNACE. JOSEPH C. KANAK, Chicago, Ill. Filed Oct. 13, 1922. Serial No. 594,253. 9 Claims. (Cl. 126—99.)

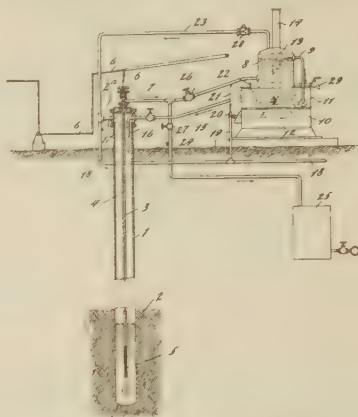


1. In combination with a hot air furnace having an outer casing with an opening provided therein, a device mounted in said opening and comprising means for taking in cool air, means for directing said air upwards within said casing, means on the inward wall of said air directing means for also leading air against the inner wall of said casing, means for conducting warm air directly from the furnace casing into said device, and means for forcing the circulation of air through said device.

1,462,288. PROCESS AND APPARATUS FOR EXTRACTING HYDROCARBONS FROM OIL WELLS AND OIL-BEARING STRATA. WILLIAM JOHN KNOX, New York, N. Y., assignor, by mesne assignments, to said Knox and Arthur Robins Speer, Bronxville, N. Y. Filed Apr. 10, 1919. Serial No. 288,926. 6 Claims. (Cl. 166—17.)

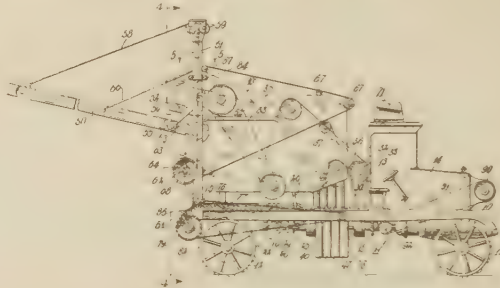
1. The method of increasing the production of an oil well consisting in maintaining the oil bearing stratum

adjacent the well at a temperature above normal and sufficiently high to reduce the viscosity of the oil therein and facilitate its flow toward the well by discharging



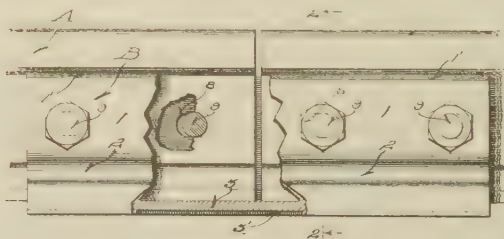
heated liquid into the well in a sufficiently continuous supply to maintain the desired temperature in said stratum and removing the same in the usual pumping operation.

1,462,289. STACKER FOR THRASHING MACHINES. JULIUS KOSAN, Cleveland, Ohio. Filed Aug. 1, 1922. Serial No. 578,912. 4 Claims. (Cl. 198—114.)



1. In a thrasher, a main body, a horizontal frame, a stacker normally extending from one end of said body, means for moving the stacker to a position resting on the top of the main body, a pair of collapsible posts supporting said stacker, and means for moving the lower ends of said posts along said frame to collapse the posts, said last means comprising gear pinions mounted on the lower ends of said posts, racks extending along said frame, a band engaged with the lower end of each post, and means for moving said band.

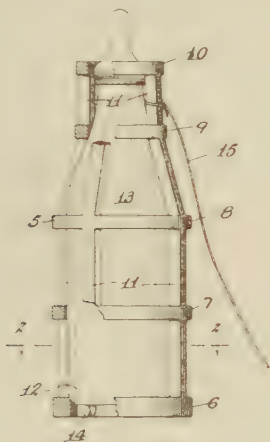
1,462,290. TRACK-RAIL JOINT AND SAFETY DEVICE. ALOYSIUS L. LAUBY, Antigo, Wis. Filed July 15, 1922. Serial No. 575,152. 1 Claim. (Cl. 238—192.)



A rail joint unit comprising a metallic fish plate for nested engagement with a rail comprising two component parts each being shaped in cross section to conform to the rail and having a vertical web-strip having an out-

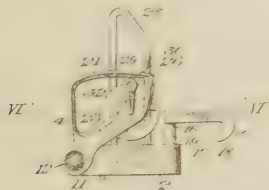
wardly and downwardly sloping beveled upper face with its uppermost inner edge in close proximity to the under surface of the rail head, said web-strip having upper and lower flange strips, the lower flange strips of said component parts cooperating to engage the bottom of the rail-base throughout substantially the entire width of said rail-base, said lower flange strips having a series of flat bottom longitudinal ribs.

- 1,462,291. BOTTLE PROTECTOR. JOSEPH McCrink, Newark, N. J. Filed Aug. 30, 1922. Serial No. 585,123. 9 Claims. (Cl. 215—11.)



1. A bottle protector of the class described, comprising a cage-like structure of unitary construction and consisting of a bottom ring member, a top ring member, intermediate ring members spaced apart by vertical rib members, and said bottom ring member being provided with a plurality of inwardly projecting retaining members.

- 1,462,292. DEVICE FOR GUIDING, CLEARING, AND TENSIONING YARN. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed June 9, 1921, Serial No. 476,264. Renewed June 14, 1923. 2 Claims. (Cl. 28—67.)

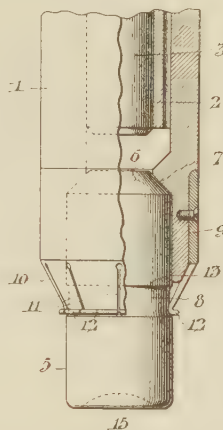


1. In a tension device, a bracket, a substantially U-shaped grid forming a skeleton yarn support projecting laterally from said bracket and adjustable longitudinally therein, and a gravity operated disc arranged to coact with said yarn support, the yarn support being removable and the outer end thereof being inclined downwardly.

- 1,462,293. TOOL FOR PNEUMATIC RIVETERS. JOHN MASON, Philadelphia, Pa. Filed July 12, 1919. Serial No. 310,409. 1 Claim. (Cl. 78—46.)

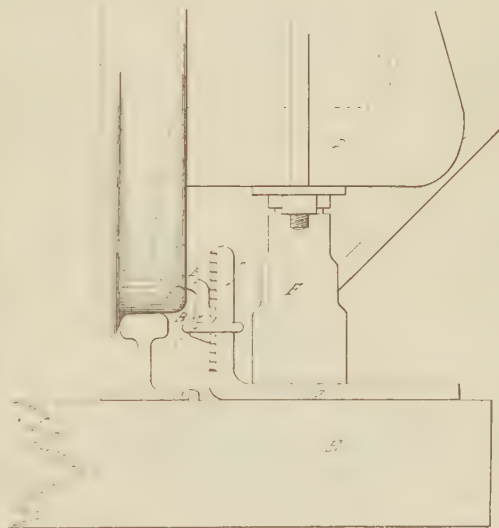
A tool for pneumatic riveters and the like consisting of a solid body of metal adapted to extend into the riveter barrel and of substantially even diameter throughout except for a shallow encircling, circumferential recess for cooperation with the tool-retaining device of the riveter, and having on its butt end an impact-receiving surface of reduced diameter sustained by immedi-

ately circumjacent and subjacent unbroken and uniformly tapering enlargement of the butt to full size, so that



the stress and vibration of impact are freely diffused and local distress or fatigue of the metal from abrupt change of contour is avoided.

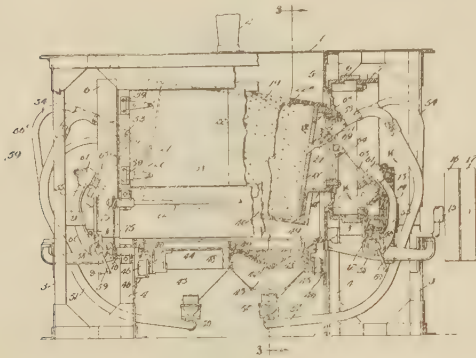
- 1,462,294. RAILWAY-CAR-WHEEL CLAMP. CHARLES MITCHELL, Woodstock, Ontario, Canada. Filed July 25, 1921. Serial No. 487,531. 1 Claim. (Cl. 254—33.)



In a device of the class described, the combination of a horizontal base part, a vertical standard provided with teeth on its outer face rising from one end of said base, a vertically adjustable, wedge shaped wheel clamping member mounted on said standard and provided with teeth on the side adjacent the standard and co-acting therewith, said upwardly tapered portion presenting an outer inclined surface, a rectangular ring member mounted on the standard and arranged to be engaged by the said inclined face of the clamp to securely hold the same to the standard when in operative position substantially as described.

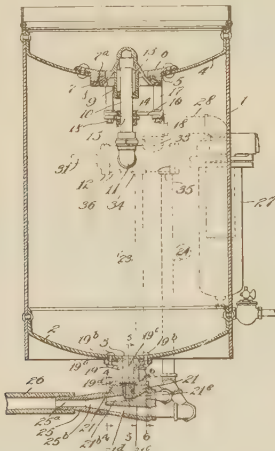
- 1,462,295. SAND-BLAST APPARATUS. EDWARD J. MOORE and RAYMOND H. MOORE, Cleveland, Ohio, assignors to The W. W. Sly Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 14, 1918. Serial No. 262,507. 8 Claims. (Cl. 51—12.)
6. The combination, with a barrel of an arm pivoted adjacent to said barrel, an extension of said arm ro-

tatably and longitudinally adjustable with respect thereto, a clamp pivotally connected to such extension, a



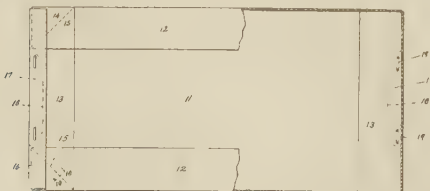
sand blast gun supported by said clamp, and connections for supplying sand to said gun.

1,462,296. SAND-BLAST APPARATUS. EDWARD J. MOORE and RAYMOND H. MOORE, Cleveland, Ohio, assignors to The W. W. Sly Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 14, 1918. Serial No. 262,508. 11 Claims. (Cl. 51—12.)



6. The combination, with a head having an upper passageway and a lower passageway with a partition between said passageways and a passageway communicating with the upper passageway between the front and the rear thereof and above said partition, of a tapered baffle extending downwardly within the upper passageway and located rearwardly of the third passageway, a pressure-fluid pipe communicating with the rear of the upper passageway, a pressure-fluid pipe communicating with the rear of the lower passageway, and a nozzle common to both passageways.

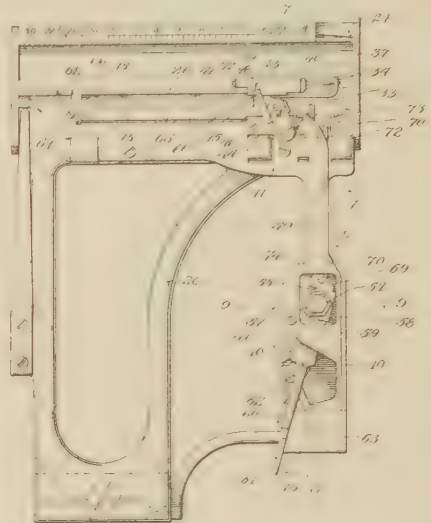
1,462,297. FOLDING BOX. JOSEPH R. MYERS, Chicago, Ill. Filed Aug. 16, 1920. Serial No. 403,720. 3 Claims. (Cl. 229—34.)



3. A folding box made from a single blank of chip lined boxboard and comprising bottom, side and end

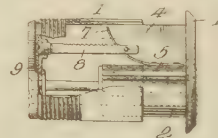
walls foldable into flat or distended positions, lines for bending being defined by slits in and confined to the chip side of said boxboard.

1,462,298. TYPE-LINE-CASTING MACHINE. FREDERICK W. NEUMAYER, Baltimore, Md. Filed Aug. 26, 1921. Serial No. 495,483. 12 Claims. (Cl. 199—29.)



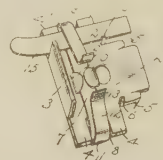
1. In a device of the kind described having an assembling channel provided with a matrix supporting rail, an auxiliary matrix supporting rail movable laterally for projection into and retraction out of the channel, an extension on said auxiliary rail forming a gate and movable longitudinally thereof to increase and decrease the effective supporting length of said auxiliary rail, a finger lever mounted for pivotal and sliding movement, a connection between said lever and the extension arranged to shift said extension longitudinally of the auxiliary rail upon pivotal movement of the lever, and a connection between the lever and auxiliary rail arranged to move the rail laterally upon sliding movement of the lever.

1,462,299. CYLINDER LOCK. MARTIN J. O'CONNOR, Ogden, Utah. Filed May 16, 1922. Serial No. 561,270. 5 Claims. (Cl. 70—46.)



1. In a lock including a tumbler casing and a telescoping cylinder therefor, said cylinder being adapted to be screwed into a lock case, means in part carried by said tumbler casing and in part by said cylinder for automatically locking said casing and said cylinder, such means permitting longitudinal movement in one direction only between said casing and cylinder.

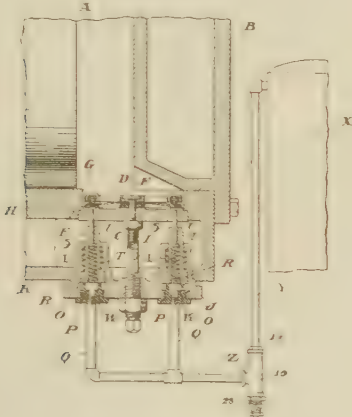
1,462,300. CLIP GUIDE. WILLARD H. PARROTT, Los Angeles, Calif. Filed July 10, 1922. Serial No. 573,980. 9 Claims. (Cl. 101—415.)



1. A clip of the character described comprising a base forming a front abutment surface and having ears

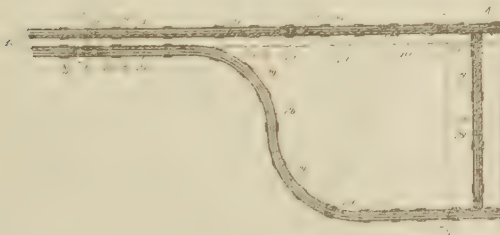
extending laterally beyond said surface with the front edges of said ears in alinement with said surface, said base being adapted to be received upon a printing press top sheet with said ears extending through and beneath the same.

- 1,462,301. PLATE-VALVE UNLOADER. FREDERICK W. PARSONS, Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 18, 1922. Serial No. 588,918. 3 Claims. (Cl. 230—24.)



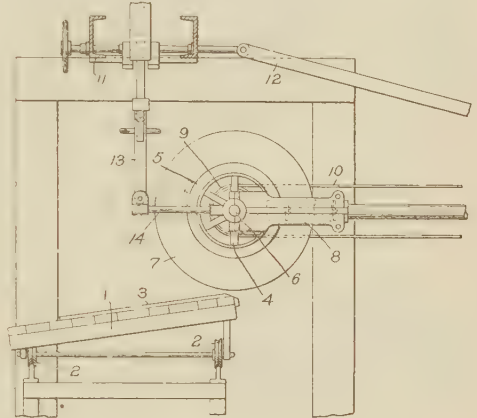
3. A plate valve unloader, comprising a plate valve and its seat, stop plate and stud, adapted to lie in a valve opening in the cylinder wall of a compressor, a valve cover over the valve seat having a stud for holding the plate valve structure to its seat in the wall of the compressor, a plurality of piston chambers in said valve cover, hollow pistons in said chambers, retracting springs within the said chambers adapted to be compressed by the pistons, plungers carried by the pistons and adapted to hold the said plate valve open, and springs in said hollow pistons tending to hold said plungers outwardly.

- 1,462,302. SLIDING DOOR AND TRACKS THEREFOR. ELLIS J. G. PHILLIPS, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed Sept. 25, 1922. Serial No. 590,466. 5 Claims. (Cl. 20—19.)



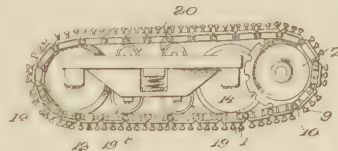
1. In combination, two overhead tracks that are parallel and adjacent for a portion of their length, one of said tracks near one of its ends curving away from the other track and terminating in a straight end portion that is parallel with said other track, a plurality of doors, and two carriers for each door that respectively travel upon said tracks, each of said doors having means extending beyond one of its faces for effecting a swiveling connection with a carrier on one of the tracks and means extending beyond the other of its faces for effecting a similar connection with a carrier on the other track.

- 1,462,303. BEVELED-GLASS-POLISHING MACHINE. BENJAMIN REHM, Crystal City, Mo., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 3, 1918. Serial No. 252,310. 1 Claim. (Cl. 51—168.)



In combination in a glass bevel polishing apparatus, a polishing disc of felt, clamping plates on opposite sides of the disc engaging the inner portion thereof, and substantially parallel supporting rollers mounted opposite each other on opposite sides of the disc in engagement with the portion thereof lying outward from said clamping plates and adapted to prevent spreading of the edge of the disc.

- 1,462,304. TRACTOR. RAY P. SAFTOLD, Bisbee, Ariz. Filed Jan. 7, 1920. Serial No. 349,849. 3 Claims. (Cl. 105—215.)

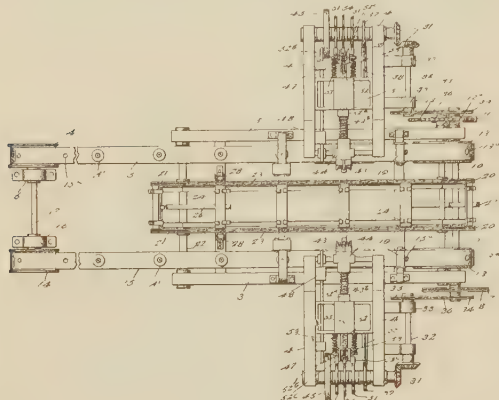


3. The combination with a car truck, running wheels, an axle and a pinion on said axle, of a shaft on said truck, a gear wheel on said shaft, a pinion on said shaft, a gear meshing with the pinions on said axle and shaft, and a continuous self laying track adapted to pass over said running wheels and gear wheels.

- 1,462,305. APPARATUS FOR APPLYING HEADS TO MUSIC-ROLL TUBES. WALTER SNYDER, Newark, N. J., assignor of one-half to Robert L. Hatfield, Newark, N. J. Filed Nov. 21, 1921. Serial No. 516,650. 11 Claims. (Cl. 144—14.)

1. Apparatus for applying flanged heads to roll tubes, comprising means for successively presenting and holding tubes in a fixed position, carrier means having seats for tube heads positioned adjacent the tube ends when the tube is in such fixed position, said seats having

openings therethrough, gripper means, push rods acting through the openings in said seats to move the heads

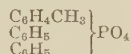


into engagement with said gripper means, and means for causing said gripper means to apply the heads to the tubes.

1,462,306. PLASTICISER FOR CELLULOSE PLASTICS. ARCHIBALD D. ST. JOHN, Maplewood, N. J. Filed May 22, 1922. Serial No. 562,813. 5 Claims. (Cl. 106—37.)

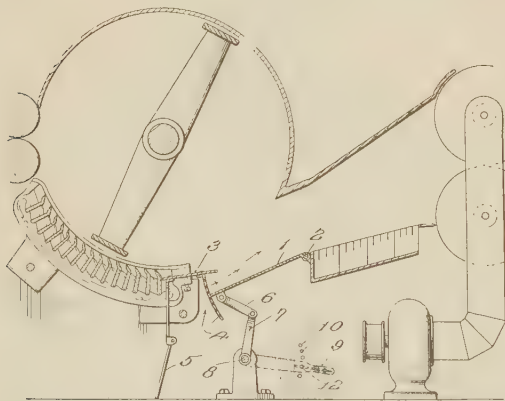
4. A plasticiser, a mixed cresyl-phenyl-phosphate, liquid at normal temperature and pressure.

5. A plasticiser, a compound, the probable structure of which is



and a liquid at ordinary temperature which boils with not more than slight decomposition at atmospheric pressure at about 400 degrees C.

1,462,307. DAMPER-CONTROLLING MEANS FOR COTTON-PICKING MACHINES. AMASA ST. ONGE, Providence, R. I. Filed Aug. 11, 1922. Serial No. 581,150. 5 Claims. (Cl. 19—95)

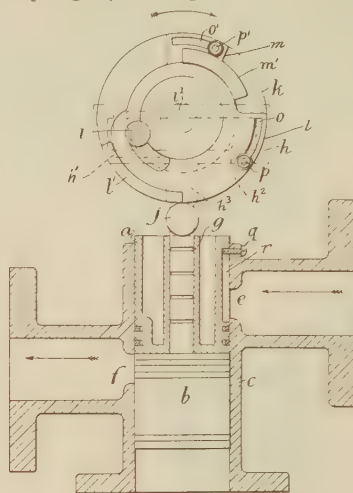


1. In a cotton picking machine, a grid, a second grid spaced therefrom, a perforated baffle plate adjacent the first grid, a damper plate supported at one end by the second grid, and engaging the baffle plate, and means for adjusting said damper plate.

1,462,308. FORCE PUMP. MONTAGUE WILLIAM TUTT, London, England, assignor of one-half to Hulburd Engineering Company, Limited, London, England. Filed July 25, 1922. Serial No. 577,405. 6 Claims. (Cl. 103—38.)

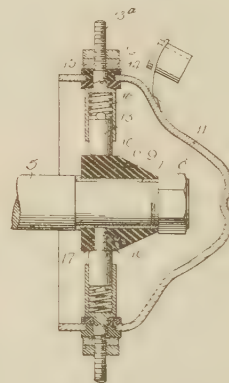
1. A force pump comprising a cylinder having inlet and outlet ports, a pair of plungers reciprocable therein,

means for retaining the upper or outer plunger stationary for a portion of the inward and downward strokes, and for moving the said plungers together for the remaining portions of the stroke so as to draw in a charge between the plungers, and expel it therefrom, the move-



ment of one plunger being effected by the movement of the other plunger, and means for varying the time in the cycle of operation during which the upper or outer plunger is held stationary, to vary the capacity of the pump.

1,462,309. TIMER. ERNEST VON HAMBACH, Chicago, Ill., assignor to Herbert D. Lafferty, Oakland, Calif. Filed Mar. 29, 1920. Serial No. 369,478. 2 Claims. (Cl. 200—26.)

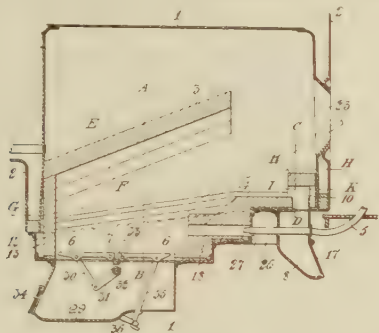


1. In a timer, a central shaft adapted to be rotated, a sleeve of insulating material carried by said shaft, an electrical contact extending through said sleeve, a housing surrounding said sleeve, a plurality of brush holders mounted in said housing, brushes mounted in said holders, and spring means for forcing said brushes into engagement with said rotating sleeve, said sleeve having at one end thereof a cone-shaped surface which serves to cam the brushes radially outwardly during assembling.

1,462,310. FURNACE FOR PULVEROUS FUEL. KARL HJALMAR VILHELM VON FORAT, Stockholm, Sweden, assignor to Motala Verkstads Nya Aktiebolag, Motala Verkstad, Sweden, a Corporation. Filed Nov. 4, 1919. Serial No. 335,629. 12 Claims. (Cl. 110—28.)

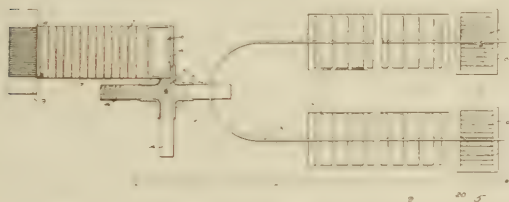
1. In a furnace for different kinds of fuel, the combination of a combustion chamber, a firing opening in the rear end wall of said chamber, an arch dividing said chamber into an upper and a lower compartment communicating with each other at the rear part of the chamber, a grate in the front part of the the bottom of the chamber, said

arch projecting rearwardly beyond the said grate, the rear part of the bottom of the chamber being composed of refractory material, and means for causing one kind of fue to flow from the rear part of the chamber first forwardly,



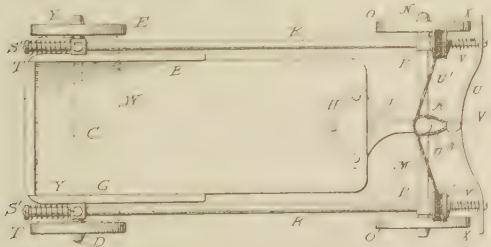
to the front end of the lower compartment, then rearwardly to the rear part of the upper compartment and then forwardly along the upper side of the arch before escaping from the chamber.

1,462,311. PIPE-FORMING PLANT. DAVID L. WILLIAMS, Bessemer, Ala. Filed May 19, 1920. Serial No. 382,472. 1 Claim. (Cl. 22—20.)



In a pipe forming plant, a molding platform comprising a base, a turntable mounted to revolve on said base, said turntable comprising a hub, and a plurality of radial arms extending therefrom, said arms being of substantially uniform width and adapted to support molding flasks, and retaining means comprising plates secured to the sides of said arms and projecting above the surface, said plates being adapted to contact with the sides of the flasks to retain them in position.

1,462,312. COASTING VEHICLE. WILLIAM THOMAS WOOD, Nashville, Tenn. Filed May 5, 1922. Serial No. 558,691. 3 Claims. (Cl. 280—88.)

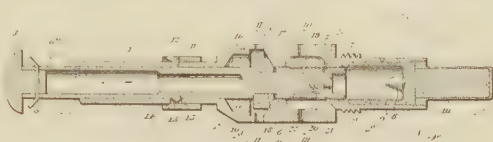


1. A vehicle of the character described, consisting of a body or platform, a rear axle carrying wheels and rigidly secured to said body, a front axle carrying wheels and pivotally mounted with reference to said body, a pair of up-rights formed on said front and rear axle and in normal position being in line, and a pair of sliding rods mounted in said up-rights for turning the front pivoted axle to guide said body.

1,462,313. DETONATING FUSE. JOHN H. WOODBERRY, U. S. Army. Filed Dec. 10, 1918. Serial No. 266,144 14 Claims. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

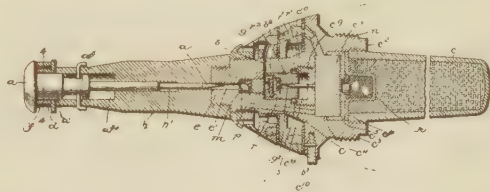
2. The combination with a fuse for projectiles, of a plunger detonator moving from a non-functioning to a

functioning position, a centrifugally movable locking device deterring the movement of said plunger to functioning position, said device lying on a surface oblique to the axis of rotation of the projectile, the obliquity of said surface



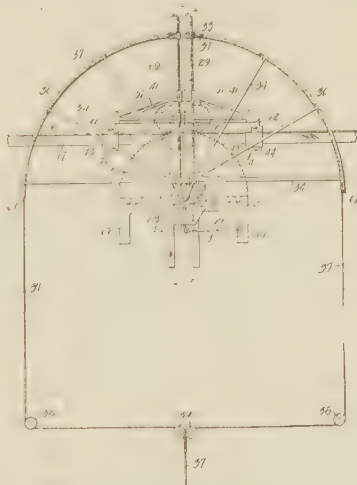
and the inertia of said device and said plunger being effective to prevent said device from moving centrifugally during the acceleration period of the projectile in the bore of the gun.

1,462,314. FUSE. JOHN H. WOODBERRY, U. S. Army. Filed Dec. 10, 1918. Serial No. 266,146. 1 Claim. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



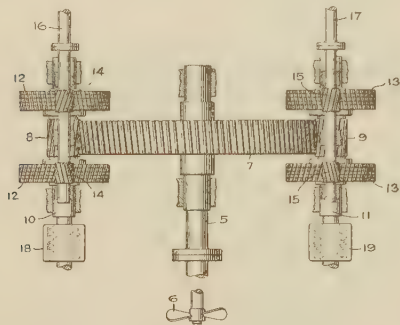
In a combined time and percussion-detonating fuse, the combination, with a concussion-plunger, carrying a primer, and a stationary firing pin cooperating with said primer, of a percussion-primer disposed in front of said first mentioned primer, and a nose detachably secured to the front end of said fuse and carrying a firing pin cooperating with said percussion primer.

1,462,315. BENDING MACHINE. MEADER R. AKEY, Sacramento, and HERMAN KATZ, Oakland, Calif. Filed Aug. 5, 1919, Serial No. 315,488. Renewed Dec. 14, 1922. 5 Claims. (Cl. 153—46.)



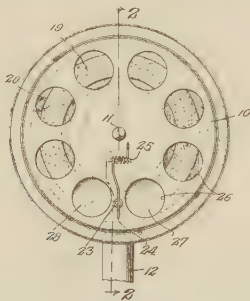
1. In a machine for bending steel shapes, a bed plate, a form adapted to be seated on said bed plate, a second plate pivotally arranged on said bed plate for movement in a vertical plane for securing and supporting the form, a pair of arms mediately mounted on said bed plate for pivotal movement in both horizontal and vertical planes, a roller arranged on each arm in engagement with the shape on said form, means for moving each arm in a horizontal plane to cause the rollers to press the shape against the form, and means for moving the arms and second plate in the vertical plane to permit the bent shape to be removed from the form.

1,462,316. GEARING FOR MARINE PROPULSION AND THE LIKE. KARL ALQUIST, New York, N. Y. Filed Mar. 19, 1920. Serial No. 367,158. 2 Claims. (Cl. 74-7.)



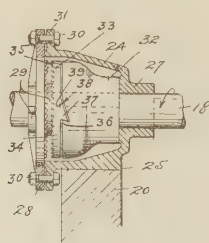
1. In a ship propulsion gearing, the combination of a propeller shaft, a low speed gear wheel mounted thereon, said gear wheel having single helical teeth of an angle of the order of five degrees, a high speed pinion, an intermediate speed shaft carrying a low speed pinion, and a high speed gear wheel which mesh with said low speed gear wheel and high speed pinion respectively, said high speed pinion and high speed gear wheel being of the double helical type and said low speed pinion being of the single helical type for meshing with the low speed gear wheel, and a thrust bearing for said intermediate speed shaft to take the axial thrust of the single helical low speed pinion.

1,462,317. WHIRLIGIG. LOUIS V. ARONSON, Newark, N. J. Filed Mar. 30, 1923. Serial No. 628,802. 5 Claims. (Cl. 46-14.)



1. A whirligig comprising, in combination, a member having an opening, a covering of colored translucent material for said opening, a pyrophoric material holding device adjacent said opening, a circular band of abradant material, means to cause relative movement of revolution between said device and band whereby sparks may be produced to show through said colored material.

1,462,318. BACKSTOP FOR ELEVATORS AND THE LIKE. EMIL A. BEYL, Minneapolis, Minn. Filed Feb. 27, 1922. Serial No. 539,796. 11 Claims. (Cl. 188-82.)



1. The combination with a fixed member and a rotary driving member, of an interposed clutch member, said driv-

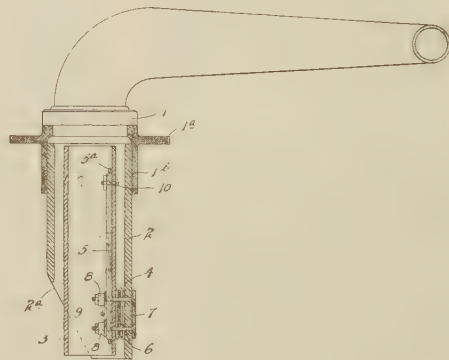
ing member and clutch member having reversely acting ratchet surfaces that are always in engagement and said fixed member and clutch member having ratchet acting surfaces that are disengageable and engageable, respectively, by forward and rearward movements of said driving member.

1,462,319. SIGNAL DEVICE FOR VEHICLES. JOHN P. BROPHY, Cleveland, Ohio. Filed July 20, 1921. Serial No. 486,045. 1 Claim. (Cl. 116-52.)



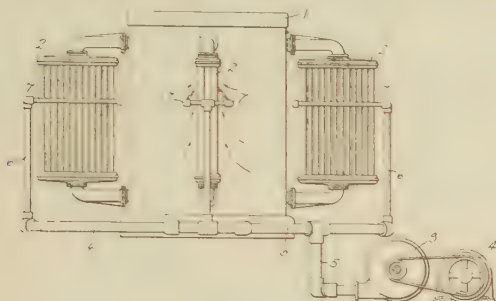
In a device of the character described, the combination of an inverted U-shaped support adapted to be clamped onto the upper edge of the side of an automobile body or door, a signal arm pivotally attached to the outer side of said support for movement about an approximately vertical axis, a torsion spring associated with said arm adapted normally to retain the same in inactive position against the side of the automobile, a cam face on the inner end of said signal arm, a lever pivotally attached to the upper side of said support for movement about a transverse axis, and a depending cam finger upon said lever adapted to engage the cam face upon said signal arm to swing the same into active position when said lever is forced downwardly.

1,462,320. TONE MODIFIER FOR SOUND-REPRODUCING MACHINES. FRED W. COOLEY, Minneapolis, Minn. Filed Sept. 28, 1921. Serial No. 503,896. 15 Claims. (Cl. 181-27.)



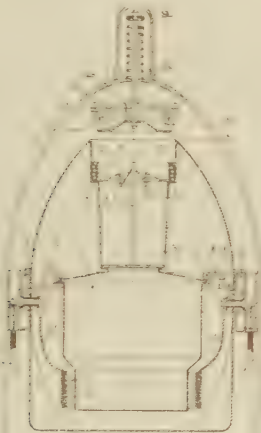
1. The combination with the tone arm of a sound reproducing machine, of a resonant tube spaced therefrom and located where the sound waves will pass there-through on their way from the arm to the sound chamber and a tension device placing said tube under tension, said device comprising a resilient member secured adjacent both ends to the inside of said tube and covered with a yielding material.

1,462,321. METHOD AND MEANS FOR COOLING ELECTRICAL APPARATUS. LOCKE H. BURNHAM, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 20, 1922. Serial No. 530,738. 4 Claims. (Cl. 62—170.)



1. In a method for cooling a radiating surface, the step which consists in inducing and directing a plurality of jets of air through and in contact with a surrounding body of air and toward the radiating surface, the paths of said jets being at acute angles to the general plane of the surface, whereby air from said surrounding body of air is carried with the air of the jets along said surface in front of the jets.

1,462,322. COFFEE MAKING OR BREWING MACHINE. VITTORIO CASOLETTI, Turin, Italy. Filed Nov. 3, 1920. Serial No. 421,558. 6 Claims. (Cl. 219—43.)

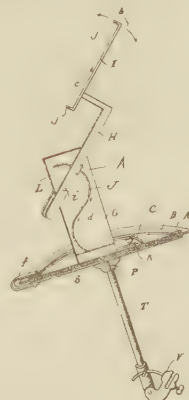


2. A coffee making or brewing machine comprising a kettle, a filter chamber carried by and communicating with the kettle, supporting means on the kettle adapted to permit rotation of the latter, a heat accumulator mounted on the kettle, an electrical resistance mounted on the accumulator, an electrical conductor, and means controlled by the rotation of the kettle to connect and disconnect the conductor and resistance.

1,462,323. STAR NAMER. CHARLES W. COMPTON, Worster, Ohio. Filed Aug. 18, 1922. Serial No. 582,769. 1 Claim. (Cl. 35—3.)

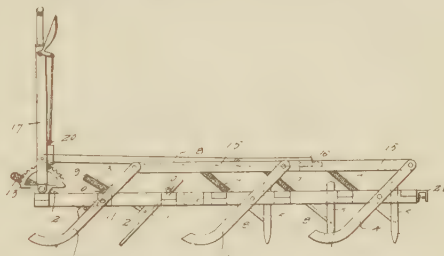
In a device of the character described, the combination with a rotatable map disk of a celestial hemisphere, having time and astronomical indicia imprinted thereon, of a stationary platform for said disk to rotate upon, a support rod for said platform adjustable to point to the north pole of the heavens, a dial ring and a horizon ring mounted above said disk independently thereof, in engagement with said platform; a rotatable standard pivoted above said support rod, in line therewith, an arm

pivoted on said standard its outer end adapted to swing thereon vertically, a sight-rod or pointer mounted upon said outer end, a reverse S-shaped groove or track on said standard with an arm pivoted at the center of the upper arc thereof, and a flexible metal band mounted on



said track, having its upper end in operative engagement with said arm, and its lower or outer end free to extend outwardly from the base of said standard, said outer end being adapted to swing said standard rotarily and to be drawn in and out to points on said map, substantially as set forth and for the purpose specified.

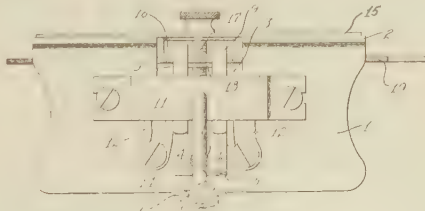
1,462,324. HARROW. RILEY M. CROWDER, Holland, Ky., assignor of one half to Charles L. Wood, Holland, Ky. Filed Nov. 26, 1920. Serial No. 426,499. 4 Claims. (Cl. 55—153.)



1. A harrow comprising resiliently mounted teeth, a resiliently supported panel to coact therewith, and means for limiting swinging movement of the teeth and panel.

3. In a harrow a block having an opening and provided at the forward end of its opening with a chamfered surface, a soil treating member pivoted in the block and extending through the opening and adapted to engage the forward end thereof when in a vertical position and adapted to engage the chamfered surface when inclined with relation to the block, a spring connected with the block, and a rod pivotally connected with the member and entering the spring and engaging the same.

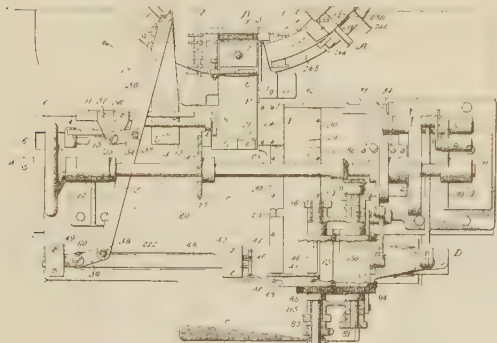
1,462,325. SAW-TOOTH DRESSER, JOINTER, AND GAUGE. MICHAEL DALLENBACH, Ridgway, Pa. Filed Dec. 22, 1921. Serial No. 524,157. 17 Claims. (Cl. 33—202.)



1. A saw tooth dressing mechanism comprising a plate; a gauge-arm support operatively associated with

the plate; cooperating gauge-arms operatively associated with the support, one portion of an arm having a swinging movement in relation to the support and an instrumentality for moving the gauge-arm support with relation to the plate, operatively associated with the support and plate.

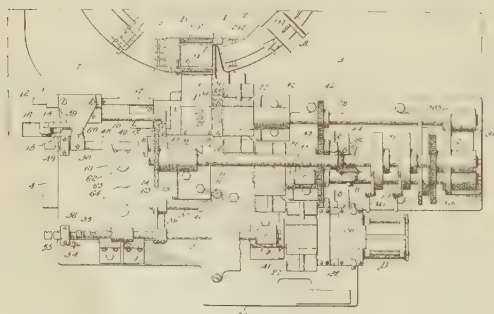
1,462,326. CIGARETTE-POUCH-PACKAGING MECHANISM. HILARION DE ESCOBALES, Brooklyn, N. Y., assignor to H. Escobales Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 4, 1921. Serial No. 442,404. 45 Claims. (Cl. 93—2.)



1. Mechanism for applying pouch wrappers to embryo cigarette packages and arranged for co-operation with a cigarette packaging machine comprising an intermittently moving rotary horizontal mold table provided with pockets in which the embryo packages are formed and means for moving the completed embryo package from the pockets at one station to a delivery point, said mechanism comprising means for applying pouch wrappers to the successive embryo packages, means for folding the wrappers into pouch form about the packages, and means arranged for connection with an operative part of said machine for moving the embryo packages from said delivery point to said pouch wrapper applying means.

26. The combination with a machine for forming and initially wrapping and successively delivering cigarette packages at a discharge point, of means for automatically gumming and applying cup wrappers to successive packages delivered by said machine.

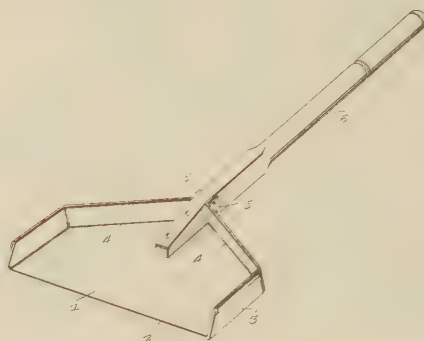
1,462,327. CIGARETTE-POUCH-PACKAGING MECHANISM. HILARION DE ESCOBALES, Brooklyn, N. Y., assignor to H. Escobales Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 4, 1921. Serial No. 442,405. 24 Claims. (Cl. 93—2.)



1. Cup wrapper applying mechanism arranged as an attachment for a cigarette packaging machine in which initially wrapped cigarette packages are successively

delivered, said mechanism comprising means for automatically forming cup wrappers about successive packages delivered by said machine, and rotary transfer means for moving the packages from the machine discharge point to said cup wrapper applying means.

1,462,328. SCOOP. CONRAD C. DE JONG, Wessington Springs, S. Dak. Filed Mar. 30, 1921. Serial No. 457,161. 2 Claims. (Cl. 294—55.)



1. An implement of the class described comprising a blade having a rectilinear sharpened front edge and parallel side walls with the edge of the rear portion of the blade converging toward the midwidth thereof, an upstanding flange around said side edges and rear edge with a break at the apex of the rear edge and provided at said point with laterally spaced outturned handle engaging ears, and a handle to engage the rear end of the blade, said handle being located between said ears and fixedly secured thereto and to the body of the blade.

1,462,329. CONSTRUCTION OF VEHICLE ROOFS. CHARLES F. DENNIS, Cleveland, Ohio, assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 14, 1921. Serial No. 522,384. 3 Claims. (Cl. 296—137.)

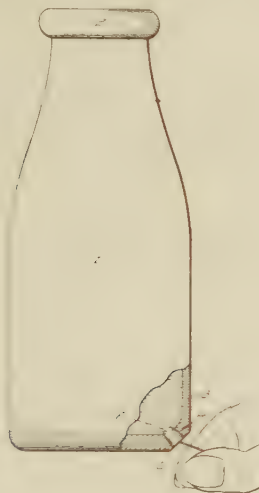


1. The combination in a vehicle roof structure, of a frame having two longitudinal letter panels extending at the side and over part of the roof, the portions of each panel at the roof being depressed to form a flange; a veneer plate extending the full length of the flange of each letter panel and secured at one edge to said panel; carlines connecting the flanges of the two panels; and roofing sections extending from one side of the vehicle to the other side thereof and resting on the flanges of the letter panels and under the veneer plates.

1,462,330. MILK BOTTLE. RAY DUNN, Tipton, Iowa. Filed May 6, 1922. Serial No. 559,021. 4 Claims. (Cl. 215—1.)

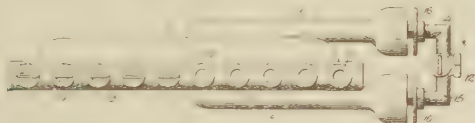
1. The combination with a bottle-like container having an inclined orifice tapered with respect to the horizontal

and the vertical, of a removable tapered stopper having its longitudinal central axis inclined in like manner to



both the central and transverse axis of the bottle and located at the lower diagonal corner of the bottle.

1,462,331. GAS BURNER. JOHN FESTA, Brooklyn, N. Y. Filed Mar. 31, 1921. Serial No. 457,208. 4 Claims. (Cl. 158—105.)



3. In a gas burner, the combination of a plurality of horizontally disposed gas supply pipes on the same plane, an elongated burner pipe on a plane above the supply pipes and divided by partitions into end and middle sections, a mixing tube beneath the middle section and communicating with the latter and one of the supply pipes, a second mixing tube communicating with the end burner pipe sections and a second supply pipe, and burners for the various sections.

1,462,332. SEPARABLE BUTTON. IGNATIUS FRIED, Mobile, Ala. Filed Jan. 25, 1923. Serial No. 614,829. 4 Claims. (Cl. 24—101.)

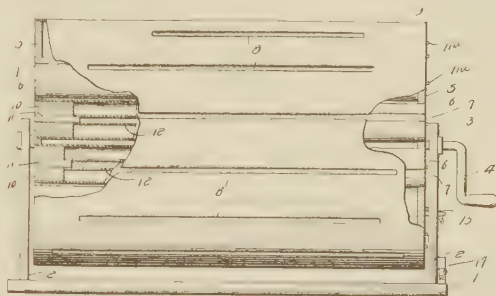


1. A separable button comprising two similar hollow parts, a movable member within one part which has a central bore, ball carrying openings, and a head located outside of said hollow part, balls in said openings, and a pin passing through the other hollow part and normally spring pressed outwardly, but adapted to enter the central bore and be firmly gripped by said balls when the two parts are pressed toward each other.

1,462,333. ROLL FABRIC HOLDER. JOHN GIRARD, Thomaston, Conn. Filed Aug. 26, 1921. Serial No. 495,461. 1 Claim. (Cl. 211—18.)

A roll holder and display cabinet comprising a support, spaced disks rotatably mounted by said support, said disks having spaced openings around their outer edges, cylinders supported at their ends by said disks, and

extending between the same, the ends of said cylinders received in the openings in the disks, said cylinders having longitudinal slots in their outer sides, blocks in the ends of said cylinders, means carried by said blocks for supporting a fabric supporting coil within each of said cylinders, said blocks being of different length to vary the effective length of the cores and extending inward from the outer ends of the cylinders to



reinforce the same at their point of connection with the disks, a metallic casing surrounding said disks and supported thereby, said casing having longitudinally extending slots registering with the slots in the cylinders, the edges of the slots in the casing being folded around the edges of the slots in the cylinders to present a smooth surface to the fabric, and certain of the core supporting means carried by the blocks being adapted to be rotated to wind fabrics onto the cores.

1,462,334. STERILIZING CONTAINER. GILBERT MENDENHALL GROSS, Eldorado Springs, Mo. Filed Mar. 24, 1922. Serial No. 546,388. 2 Claims. (Cl. 215—6.)

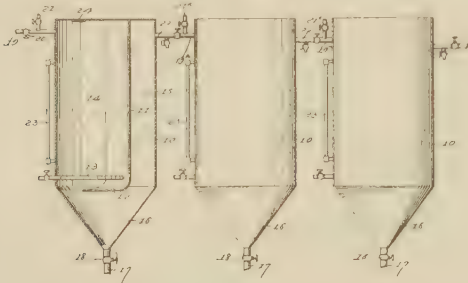


1. In combination, a container casing consisting of a cylindrical body closed at its lower end and an arched removable lid for the upper end thereof, a plurality of cells adapted to lie in juxtaposed spaced relation within the container casing, means within the container casing for removably supporting the cells within the casing in spaced relation to one another and to the bottom and side walls of the container casing, a removable closure for the upper end of each cell, and a closure fitting within the container casing at the upper end thereof to rest upon the closures of the said cells.

1,462,335. APPARATUS FOR TREATING GASOLINE. THOMAS A. GROSS, Frederick, Okla. Filed July 14, 1920. Serial No. 396,303. 1 Claim. (Cl. 210—58.)

An apparatus for the treatment of gasoline and like liquids consisting of a plurality of units of which each consists of a cylindrical receptacle having a partition arranged therein and terminating short of the bottom

and deflected laterally to provide a baffle, the partition dividing the receptacle into main and auxiliary compartments, a perforated coil adapted for connection to an air supply and disposed in the main compartment above said baffle, the receptacle being formed with a funnel



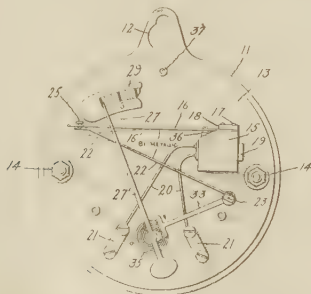
shaped bottom by which communication between the two compartments is effected, a draw-off pipe at the apex of the funnel, an inlet disposed at the top of the main compartment, and an outlet means in the auxiliary compartment.

1,462,336. BROODER. JOHN HALE, Reedsville, Wis. Filed May 5, 1921. Serial No. 466,895. 5 Claims. (Cl. 119—34.)



1. A brooder comprising a water container including a water space and a centrally disposed air passage, a cover pivoted to the container for controlling said passage, a pair of semi-circular head plates mounted on the container and each provided with a depending flange surrounding and spaced from said container and each further provided with vertical supports, a pair of semi-circular vertically movable suspension plates arranged below and adjustably connected to said head plates, tufts depending from said suspension plates, a slitted apron depending from said flanges and disposed concentrically with respect to said container and forming in connection with said head plates a hover, means to provide a hot water supply communicating with said container, and said container formed with cross pipes to provide for the circulation of air.

1,462,337. ELECTRICAL INSTRUMENT. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Apr. 13, 1920. Serial No. 373,549. 8 Claims. (Cl. 171—308.)



1. An electrical instrument comprising a pair of flat bi-metallic members adapted to be bowed in response to a variation in thermal conditions, a support for one of said members near its end, a pivotal support for the other of said members near its end, an electric heating coil for one of said members, said members being so

proportioned and arranged that the pivotally mounted member rotates in response to a difference in their thermal conditions, and means for indicating the rotation of said pivotally mounted member.

1,462,338. TYPOGRAPH MECHANISM. CHARLES A. HARMS, Indianapolis, Ind., assignor, by mesne assignments, to Ludlow Typograph Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 3, 1919. Serial No. 335,425. 6 Claims. (Cl. 199—1.)



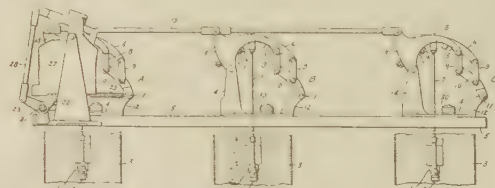
1. A holder for matrix-bars of the character described, comprising an independent member formed with an elongated opening adapted to receive a number of such bars transversely disposed therein, and a bar disposed longitudinally of the opening in said member and movably secured to the latter so as to be adapted to quad out any desired portion of such opening.

1,462,339. AIR HEATER. BURT S. HARRISON, Brooklyn, N. Y., assignor to Drying Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Dec. 28, 1920. Serial No. 433,640. 5 Claims. (Cl. 126—104.)



1. In a device of the character described, the combination of a horizontal combustion chamber, a plurality of horizontal ducts for the gases of combustion positioned around the combustion chamber, a plurality of baffle plates separating the said ducts into sections and adapted to direct the gases of combustion through successive sections of said ducts, a fresh air duct, a heating chamber and an annular dividing plate in said heating chamber whereby the fresh air is brought into contact with heating surfaces of progressively higher temperature.

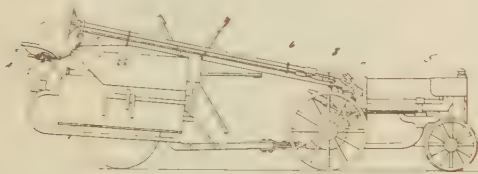
1,462,340. ELECTRIC SWITCH. HERMAN J. H. HUBER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 19, 1918. Serial No. 254,824. 21 Claims. (Cl. 200—153.)



10. In an electric switch, the combination with cooperating fixed and movable contacts, a mechanism for controlling said contacts, an energy storing means associated with said mechanism rendered operative in response to the movement of said mechanism to switch

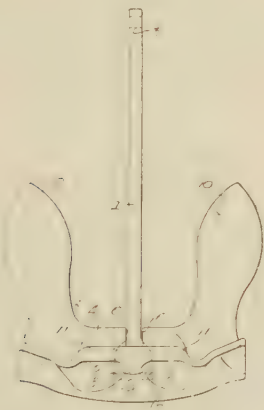
opening position for exerting a force on said mechanism in switch closing direction to substantially counterbalance the weight of said mechanism.

- 1,462,341. TRACTOR ATTACHMENT. VICTOR IVARSON, Cleghorn, Iowa, assignor to William F. Hutton, Cherokee, Iowa. Filed Apr. 16, 1920, Serial No. 374,338. Renewed June 11, 1923. 2 Claims. (Cl. 180—77.)



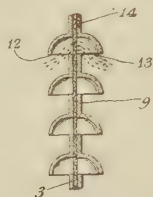
1. In a device for maintaining tractor controlling mechanisms on a trailer, the combination with a seat support for the trailer, a flat and longitudinally curved member which is detachably secured to the seat support, said member having at its forward end an upstanding tubular socket, a member having a post for movable engagement with the socket, said post having at its upper portion apertures for the passage therethrough and the support of tractor controlling rods.

- 1,462,342. ANCHOR. GEORGE H. JAMES, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 15, 1921. Serial No. 507,929. 1 Claim. (Cl. 114—208.)



The combination in an anchor of a body formed with a socket having an annular recess in its wall, there being two openings into said socket of which one is circular and the other substantially rectangular in section; a shank having a head movably fitting the socket and including a portion of substantially rectangular section operative in the rectangular opening; with a spring ring in the annular recess normally holding the head in the socket.

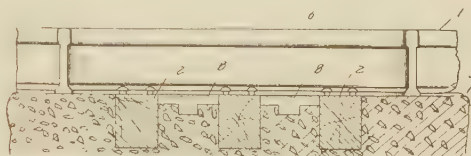
- 1,462,343. VENTILATOR. THOMAS A. JENKINS, Jersey City, N. J. Filed Aug. 3, 1921. Serial No. 489,492. 2 Claims. (Cl. 98—31.)



2. A ventilator element for building constructions and the like comprising two opposed complementary sheets

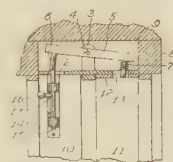
of vitreous material having equally spaced openings, each of said sheets having its outer face provided with integral laterally projecting and depending curved louvers opposing said openings, each of said louvers having its top and sides closed, said louvers extending transversely of the sheets and providing means for directing air through the openings, means connected with the outer face of one of said sheets for shifting it relatively to the other, the portions of said sheets between the louvers being of a width to close the openings of the sheets when one sheet is shifted relatively to the other, and a stationary flat foraminous body interposed between said complementary sheets.

- 1,462,344. GUARD RAIL. AUGUST JOHNSON, Toivola, Minn. Filed May 20, 1922. Serial No. 562,282. 1 Claim. (Cl. 238—19.)



A guard rail having a plate formed integral therewith and at one side thereof and adapted to extend under the main rail and rest upon the ballast between the ties, said plate having a depression in its upper surface adapted to receive the base of the main rail and space the guard rail from the main rail, and said plate extending longitudinally of the guard rail a distance equal to the distance between a pair of ties and adapted to having its side edges about the opposed edges of a pair of ties, to prevent longitudinal movement of the guard rail relative to the main rail.

- 1,462,345. SASH FASTENER. JOHN KALTENBACH, Waterloo, Iowa. Filed July 3, 1922. Serial No. 572,686. 2 Claims. (Cl. 292—63.)

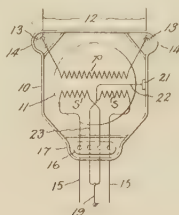


1. The combination of a slide-bolt adapted to be mounted on the lower sash of a window, a plate mounted over a recess in the window-jamb and having longitudinally-aligned opposite holes adjacent both its longitudinal edges respectively in the paths of the lower and upper sashes, a plate mounted on the upper sash of the window having a longitudinal row of sockets in its face over one of said rows of holes, and resiliently-controlled rock-bodies mounted in the jamb-recess and having pins extending into the opposite holes in the plate, said slide-bolt when moved toward said plate pushing outwardly the pin aligned therewith to rock its rock-body and push the other pin on said rock-body into an aligned socket on the plate on the upper sash.

- 1,462,346. PROTECTIVE DEVICE FOR ELECTRICAL APPARATUS. CHARLES HOWARD KLINE, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 16, 1921. Serial No. 445,439. 7 Claims. (Cl. 175—361.)

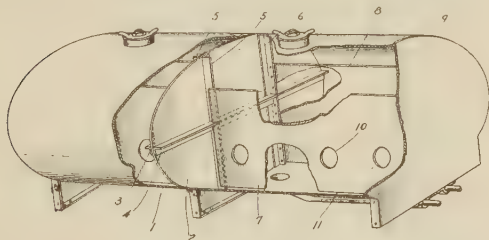
5. The combination with an encased electrical apparatus having a lead opening in its casing, of a bushing formed with an interior chamber having a perforated

wall, a lead in said bushing adapted for abnormal voltage discharge therefrom to said casing through the per-



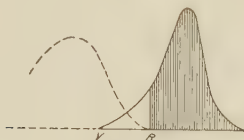
foration in the bushing wall, and a spark gap device secured to a wall of said casing and having an electrical discharge connection to ground.

1,462,347. PARTITION SUPPORT AND SURGE PLATE. ANDREW A. KRAMER, Kansas City, Mo. Filed Apr. 14, 1920. Serial No. 373,978. 4 Claims. (Cl. 220—22.)



1. A tank, a pair of parallel transverse frames in the tank mounted in spaced relation, longitudinal surge plates in the tank connected to one of the frames, and to the tank, and a transverse dividing partition co-extensive with the cross sectional area of the tank and mounted between the frames so that the frames will receive any pressure communicated to the partition in either direction, the partition being solely supported by attachment to the tank.

1,462,348. METHOD AND APPARATUS FOR PRODUCING COOL LIGHT. JOSEPH LYONS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 5, 1922. Serial No. 558,601. 8 Claims. (Cl. 88—24.)

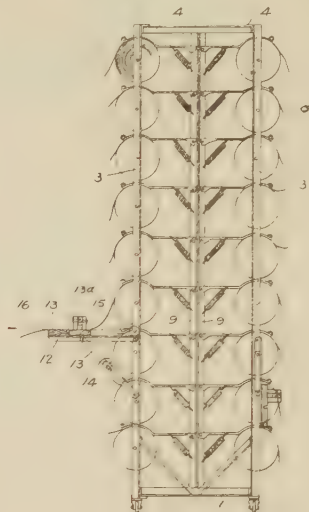


1. The method of illuminating a circumscribed region practically without heating the same, which consists in resolving an ordinary beam of light into an assemblage of its elementary constituent rays, diverting the dark heat rays from the assemblage and recombining the remaining rays in the region of illumination.

1,462,349. WIRE-CLOTH-DISPLAY ROLL RACK. CHARLES M. MCCARTHY, Minneapolis, Minn. Filed Sept. 14, 1921. Serial No. 500,598. 4 Claims. (Cl. 211—18.)

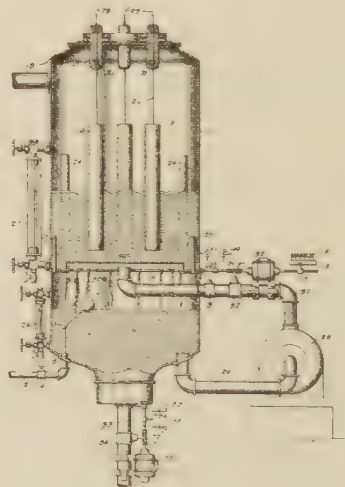
4. A wire screen rack having in combination, a frame having a vertical side and a side inclined toward the upper end thereof, said latter side having spaced vertical plates secured thereto, rolls of different lengths extending between said plates and said vertical side and

journaled therein and adapted to carry sheet material, spring pressed means extending over said rolls to retard



rotation thereof, said sheet material being adapted to be pulled outwardly and unrolled from any of said rolls at the sides of the frame.

1,462,350. ELECTRIC STEAM BOILER. WILBUR L. MERRILL and HARRY A. WINNE, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Feb. 15, 1922. Serial No. 536,665. 37 Claims. (Cl. 219—38.)

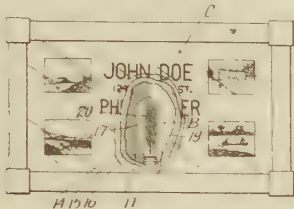


1. In an electric boiler, a shell, a feed water pipe for supplying water to it, an electrode chamber in the shell above the level of the water therein, one or more electrodes which project into the electrode chamber, a pump for supplying water from the shell to the electrode chamber, and means for regulating the pump to regulate the level of water in the electrode chamber.

1,462,351. ILLUMINATED DISPLAY SIGN. WILLIAM J. MICHELSEN, Chicago, Ill. Filed Jan. 19, 1922. Serial No. 530,281. 4 Claims. (Cl. 40—132.)

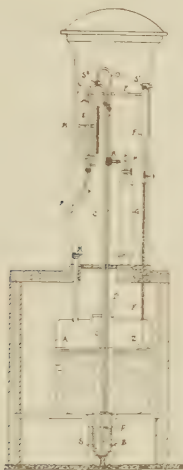
4. In an illuminated display sign, a screen composed of a plain sheet of protecting glass, a photographic posi-

tive containing reproductions of printed matter and transparencies and a light diffusing element composed



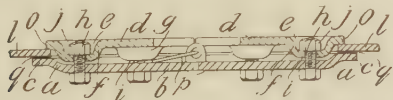
of a single sheet of glass having both surfaces "etched" by means of acid, substantially as set forth.

1,462,352. SAFETY DISPENSING DEVICE. MAIRIE'S FRANÇOIS MILLOT, Paris, France. Filed Sept. 5, 1919. Serial No. 321,954. 1 Claim. (Cl. 221—74.)



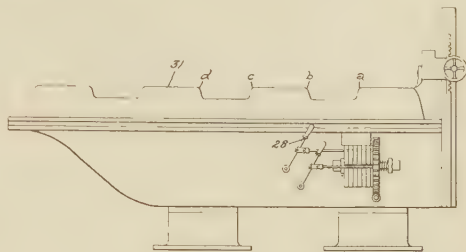
Apparatus for the storage and distribution of inflammable liquids comprising a main storage reservoir, an auxiliary receptacle supplied with liquid from said reservoir, a measuring vessel, a liquid raising column connecting the bottom part of the auxiliary receptacle with the bottom of the measuring vessel, a pipe connecting the top of the auxiliary receptacle with the top of the liquid raising column at a point above the measuring vessel, a three way cock in said pipe, and a flask containing an inert gas under pressure connected to said cock.

1,462,353. MANHOLE DOOR. GEORGE GORDON MUSTED, Partick, Glasgow, Scotland. Filed June 2, 1920. Serial No. 385,983. 3 Claims. (Cl. 220—25.)



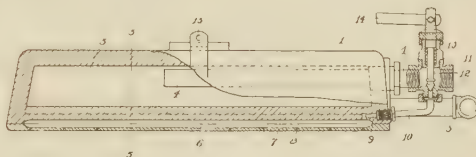
1. Manhole and like doors comprising tank or other plating, a door opening therein; a door plate; a "joggle" formed in said door plate concentric with the outer edge of same; a flat elevated rim part and a flat depressed central part in said door plate; a ring plate; a plurality of recesses in the outer surface of said ring plate and near the edge thereof; circular pendant walls, forming said recesses, projecting from said ring plate towards said door plate; bolts secured in said door plate and passing through the pierced bottoms of said recesses; nuts on said bolts located in said recesses; and an operating handle located under said ring plate within the open center part of same.

1,462,354. SPEED CONTROL FOR MACHINE TOOLS AND THE LIKE. BERTRAM S. PERO, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 4, 1921. Serial No. 505,292. 7 Claims. (Cl. 172—240.)



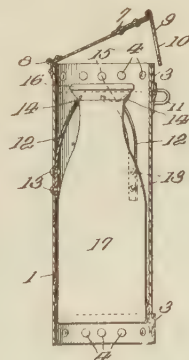
1. The combination with a machine tool or the like and an electric motor for driving the same, of means for automatically increasing and decreasing the speed thereof in accordance with the progress of the work and manually controlled means for changing the periods of increased and decreased motor speed while the machine is in operation.

1,462,355. PRESSING IRON. HERMAN W. PETH, Baltimore, Md. Filed Apr. 19, 1920. Serial No. 374,844. 2 Claims. (Cl. 68—26.)



2. A pressing iron comprising a body having a pressing face formed with a longitudinally extending groove extending throughout the length of the body, the bottom wall of said groove also being provided with a groove the ends of which are spaced from the ends of the body, a strip inserted in the groove in the body and having its upper face provided with a longitudinally extending groove the ends of which are spaced from the ends of the strip, the strip having openings leading from the groove thereof to the under side of the strip, and the groove in the strip with the groove in the body forming a channel, and means for admitting steam to such channel.

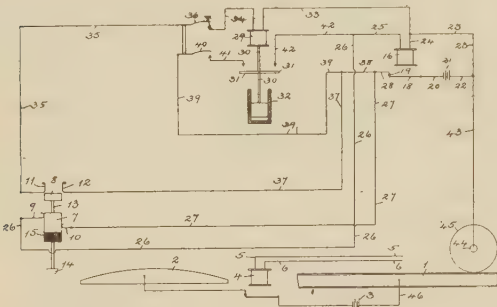
1,462,356. BOTTLE RECEPTACLE. THOMAS E. PETTY, Washington, D. C. Filed June 7, 1919. Serial No. 302,387. 1 Claim. (Cl. 232—41.)



A receptacle comprising a cylindrical tubular body having its ends open, a cover closing the upper end of said body, and a plurality of longitudinally extending resilient sheet metal gripping arms forming the only internal obstruction in said body secured to the body and

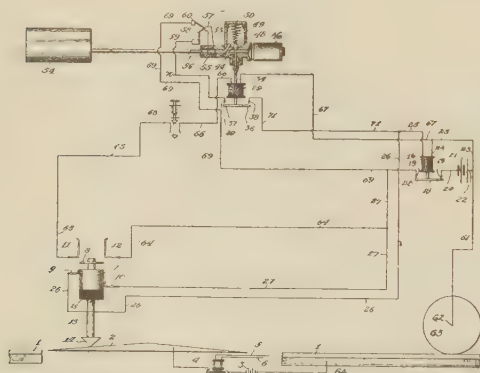
unconnected to the cover, the upper ends being free and gripping heads located in close proximity to the upper end of the body and being adapted to encircle and grasp the neck of a bottle inserted through the open bottom of said body, said heads being urged inwardly toward the longitudinal axis of said body by the resiliency of the gripping arms and being adapted to automatically release the bottle neck and permit its withdrawal through the top of the body, said body being of substantially the same diameter as the bottle to be gripped in order to prevent any releasing instrument from being inserted between the body and the bottle.

1,462,357. SPEED-CONTROL MECHANISM FOR VEHICLES. HAROLD V. RUDOLPH, Charlottesville, Va., assignor to American Automatic Train Control Corporation, Baltimore, Md., a Corporation of Maryland. Filed Feb. 3, 1920. Serial No. 355,993. 1 Claim. (Cl. 246—181.)



In a train control apparatus the combination with a vehicle having a controlling device, of a current supply on the vehicle; plural pairs of switch contacts and shoe actuating means therefor also on the vehicle; means to effect an operation of the shoe means as the vehicle travels; a normally closed circuit on the vehicle between the vehicle current-supply one pair of switch-contacts and the controlling means; a magnetic circuit-closer and means for retarding its action also on the vehicle; normally-open connections also on the vehicle and including the vehicle current supply another pair of said switch-contacts and the retarded magnetic circuit closer; and means for forming a substitute stick-circuit on the vehicle from the vehicle current-supply through the controlling-device when the said normally open connections are closed.

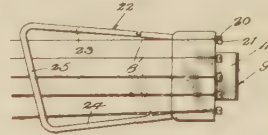
1,462,358. SPEED-CONTROL MECHANISM FOR VEHICLES. HAROLD V. RUDOLPH, Baltimore, Md., assignor to American Automatic Train Control Corporation, Baltimore, Md., a Corporation of Maryland. Filed May 14, 1921. Serial No. 469,437. 7 Claims. (Cl. 246—180.)



4. In a train control apparatus the combination with a vehicle having a stop device, of a current supply on

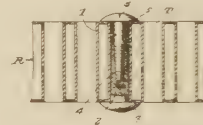
the vehicle; means for normally maintaining the stop device from the vehicle current supply; a retarded circuit closer also on the vehicle; connections also on the vehicle for forming a stick-circuit from the vehicle current-supply through the said stop device when the retarded circuit closer has been actuated, and a signal device on the vehicle and operated when the stick circuit is closed.

1,462,359. BANJO TAILPIECE. ERNEST OLIVER WINSHIP and FREDERICK J. BACON, New London, Conn. Filed Mar. 10, 1921. Serial No. 451,114. 9 Claims. (Cl. 84—300.)



1. The combination with a stringed musical instrument having the usual complement of bass and treble strings and the usual bridge over which the strings are stretched, of means exerting inward pressure against the strings rearwardly of the said bridge and in decreasing degree from the treble to the bass side of the complement.

1,462,360. AUTOMOBILE-RADIATOR-REPAIR DEVICE. MAX ANCHELEVICH, Evansville, Ind. Filed July 26, 1921. Serial No. 487,808. 3 Claims. (Cl. 137—76)



1. A leak repair device for automobile radiators of the honeycomb type comprising a pair of oppositely extending telescopic and threadably engaging tapering tubular closure elements for insertion through opposite ends of a radiator tube and adjustable towards and away from each other, each of said elements having its outer end provided with an enlarged head constituting a closure for one end of the tube and each of said elements of less length than the length of the tube.

1,462,361. VAPORIZER FOR LIQUID FUEL. HARRY L. BLACKWOOD, Salem, Oreg. Filed Feb. 11, 1922. Serial No. 535,780. 8 Claims. (Cl. 158—53.)

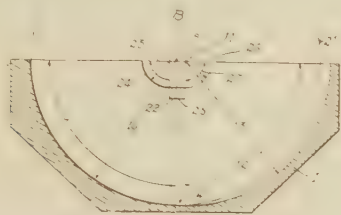


8. A filler for the generator tubes of liquid fuel burners, consisting of a cylindrical core provided with an integral continuous right hand helical rib and with an integral interrupted left-hand rib, spaces being left between the ends of the interrupted rib portions and the adjacent sides of the continuous rib to afford free passages for the fuel and the vapor, and the ends of the filler being also formed to provide free passages for the same.

1,462,362. GLASSWORKING MOLD. CLYDE C. BOHNER, Chicago, Ill., assignor to General Electric Company, a Corporation of New York. Filed July 14, 1919. Serial No. 310,802. 4 Claims. (Cl. 49—69.)

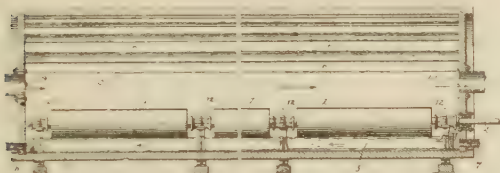
1. A mold adapted for use in lathe type machines for blowing bulbs from rotating glass tubing and having a cavity which is substantially one-half of a surface of revolution corresponding to the shape of the bulb to be

produced, said cavity extending out more on one side than on the opposite side of a longitudinal axis deter-



mined by the mounting for said mold, and arranged to coincide with the axis of rotation of said glass tubing.

1,462,363. METHOD OF AND APPARATUS FOR MAKING SPRAY FROM LIQUIDS AND COMMINGLING THE SAME WITH GASES. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed May 27, 1919. Serial No. 300,185. 10 Claims. (Cl. 261-92.)

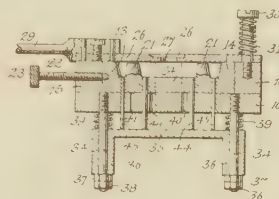


1. The method of spraying liquids which consists in revolving a rigid imperforate circular-cylindrical surface dipping slightly into a body of liquid with its axis substantially parallel to the upper surface of said body of liquid, at such a speed about its axis that liquid continuously carried out of said body on said cylindrical surface, is thrown from said surface as a rain of liquid drops forming a substantially continuous fan of spray radiating from said cylindrical surface.

6. In an apparatus for spraying liquid media, the combination of a rigid imperforate circular cylinder arranged to revolve about its axis with said axis in a substantially horizontal position; a container located beneath the cylinder for holding the liquid to be sprayed; means for maintaining the upper surface of the liquid at such level that the cylinder will dip to a slight extent only into the liquid; and means for revolving said cylinder at such a speed that the liquid in the container will be carried up therefrom on the outer surface of the cylinder and will be thrown from said surface as a rain of liquid drops forming a substantially continuous fan of spray radiating from said surface.

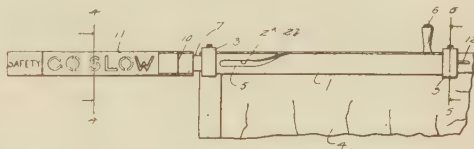
10. In an apparatus for securing an intimate mixture of gaseous medium and liquid spray concurrent with a countercurrent flow of said liquid and gaseous medium, which comprises in combination, an elongated rigid imperforate circular-cylinder arranged to revolve about a substantially horizontal axis; a housing for said cylinder, the walls whereof against which the spray is thrown stand substantially parallel to the axis of the cylinder; means for maintaining a body of liquid in the lower portion of the housing at such a level that the cylinder will dip slightly into said body; means for revolving said cylinder at such a speed that liquid will be carried up from the body on the outer surface of the cylinder and will be thrown from said surface as a rain of liquid drops forming a solid fan of spray filling the space within the housing; means for passing a current of gaseous medium through said housing in one direction parallel to the axis of the cylinder; and means for introducing liquid into the housing at one end and removing it at the opposite end so as to cause a flow of liquid through the housing in a direction opposite to the flow of said gaseous medium.

1,462,364. BATTERY-STRAP MOLD. THOMAS E. JONES, Peru, Ind., assignor of one-half to Lloyd M. Stump, Plymouth, Ind. Filed Mar. 1, 1922. Serial No. 540,254. 7 Claims. (Cl. 22-136.)



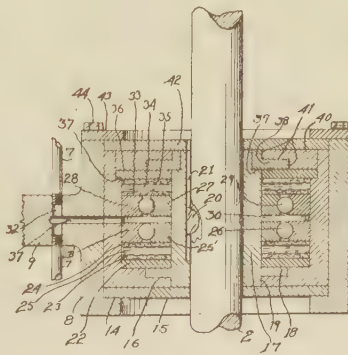
1. In a molding apparatus, a base having its upper face provided with a channel way formed with undercut walls, mold bodies cooperating one with the other and mounted on said base and further extended into said channel and undercut walls, blocks mounted on the base and extended into said channels and further into said undercut walls and having said bodies interposed therebetween, means carried by one of the blocks for clamping said mold bodies in operative position, and an ingate pivoted on the other of said blocks and movable to and from operative position over said mold bodies.

1,462,365. TRAFFIC SIGNAL. CHARLES F. KELLERMAN, Battle Creek, Mich. Filed Dec. 1, 1921. Serial No. 519,246. 6 Claims. (Cl. 116-50.)



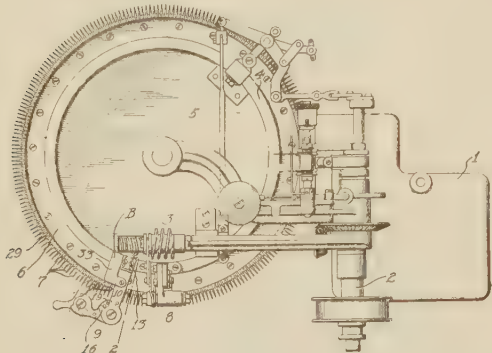
1. A signal of the class described comprising a signaling member having corresponding signal characters on opposite sides thereof, means to project and retract the signal member, and said means serving to operate said member to display one set of signal characters when the member is retracted and to display the second set of signal characters when the member is projected.

1,462,366. SUBMERGED BEARING. HENRY E. KELLOGG, Mountain View, Calif. Filed Nov. 21, 1921. Serial No. 516,581. 7 Claims. (Cl. 64-56.)



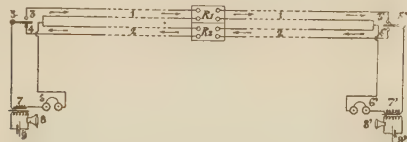
1. In combination, a shaft, a cylindrical member slidably mounted thereon to rotate therewith, and carrying outwardly extending spaced flanges, a fixed cylindrical member carrying flanges overlapping and engaging said first mentioned flanges, and a bearing inserted between said fixed and movable members and intermediate said spaced engaging flanges.

- 1,462,367. MACHINE FOR UNITING LOOPED FABRICS. PATRICK P. LA MONTAGNE, Bourbonnais, Ill., assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill., a Corporation of Illinois. Filed Feb. 17, 1922. Serial No. 537,216. 33 Claims. (Cl. 112—25.)



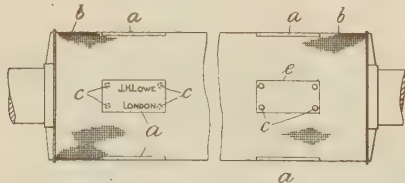
1. A machine for sewing looped fabrics, including a movable impaling-pin-support, impaling pins thereon, and a hosiery-stripping device normally extending beneath the pins and swingingly mounted for movement in a direction away from the pins while the support is in motion, such swinging movement being effected under abnormal conditions by an article carried by and moving with the pins.

- 1,462,368. TELEPHONE REPEATING SYSTEM. MARIUS LATOUR, Paris, France. Filed Apr. 28, 1923. Serial No. 635,280. 2 Claims. (Cl. 179—170.)



1. In an interurban telephone communication system, a transmission line consisting exclusively of two pairs of speech conductors, each pair including a uni-lateral amplifying repeater, a two-conductor subscriber's line at each extremity of the four-wire interurban line, and means located at the extremities of the pairs of speech conductors and operating concurrently to alternately branch said subscribers' lines to either pair of interurban conductors at a sufficiently high frequency to establish a two-way communication.

- 1,462,369. DANDY ROLL. JAMES HENRY LOWE, Basted, Boro' Green, England. Filed May 2, 1922. Serial No. 557,817. 6 Claims. (Cl. 92—48.)

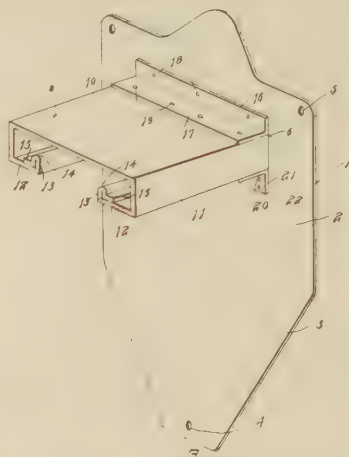


1. A water mark device for dandy rolls comprising a tablet adapted to carry a water mark and adapted to be fitted to the dandy roll, and two-part detachable fasteners carried by the back of said tablet and said roll whereby to removably attach the tablet to the dandy roll.

- 1,462,370. MILK-BOTTLE HOLDER. WILLIAM H. LYKINS, Sioux City, Iowa. Filed Jan. 28, 1922. Serial No. 532,427. 2 Claims. (Cl. 232—41.)

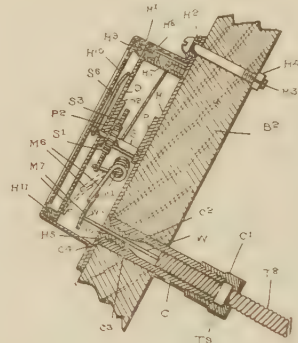
1. A milk bottle holder comprising a supporting plate, means for securing the plate to a support, said plate provided adjacent its upper end, centrally of its side longi-

tudinal edges with an opening, a bottle supporting member comprising a rectangular plate having its opposite side longitudinal edges bent downwardly at right angles thereto, supporting flanges formed integrally with



said side edges of the top plate, and in spaced relation thereto, retaining and bottle supporting flanges formed integrally with the extreme ends of supporting flanges, and means for securing the bottle supporting member in the opening of the supporting plate.

- 1,462,371. INDICATOR. NEWELL CHANDLER MCCONAHY, Tyrone, Pa. Filed Oct. 19, 1921. Serial No. 508,797. 1 Claim. (Cl. 116—129.)

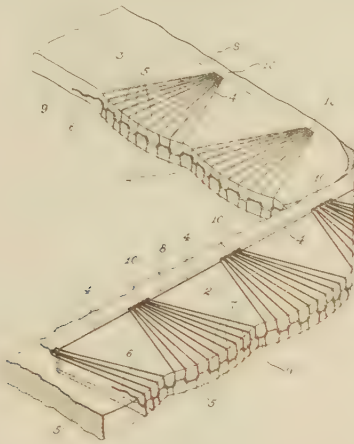


In an indicator, the combination of a housing provided with an opening; a pointer movably mounted in said housing; a lever pivotally mounted in said housing; a closure plate attached to said lever and normally resting against said housing over its opening; means operated by said lever and adapted to move said pointer; a tubular casing attached to the outside of said housing; a flexible conduit adapted to be removably attached to said casing; and a reciprocable member independently housed in said conduit and said casing and adapted to be protruded into said housing through its opening and impinge against said plate to move said lever.

- 1,462,372. EDGING OR BORDER FINISH. JOSEPH M. MERROW, Hartford, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 8, 1921. Serial No. 506,514. 4 Claims. (Cl. 112—266.)

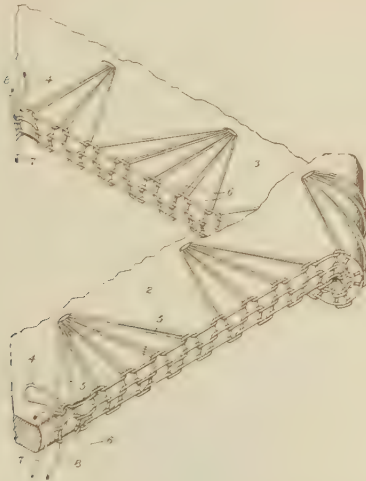
1. An ornamental border consisting of a strand or thread extending through the material at a distance from the edge thereof several times successively at practically the same point to form the apex of a cluster of loops, and from said point upon one side of the material in divergent looped form to or near the edge thereof, a second strand or thread extending upon the opposite side of the material in divergent looped form from the point of intersection

of the material by the primary thread to or near the edge of the material, the threads being interlocked at both ends of the loops, the points of intersection of the mate-



rial by the clusters of thread or strand loops being spaced at intervals, and one of the strands or threads extending substantially parallel with the edge of the material between the said points of intersection.

1,462,373. EDGING OR BORDER FINISH. JOSEPH M. MERROW, Hartford, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 8, 1922. Serial No. 535,017. 4 Claims. (Cl. 112—269.)

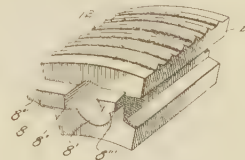


1. An ornamental border for a straight edge margin comprising a plurality of threads interlooped against said straight edge, one of said threads penetrating the material for a plurality of stitches at each of a series of points spaced from the margin, thus forming a succession of clusters, the loops of each cluster radiating from one of said points to said straight edge.

1,462,374. CONCRETE BLOCK. LEO VINCENT METZ, Erie, Pa. Filed Mar. 16, 1922. Serial No. 544,119. 4 Claims. (Cl. 72—38.)

1. A concrete block comprising a body portion formed with a lengthwise opening and transverse groove at one end intersecting said opening, the upper and lower walls of said groove having curved portions forming continuations of the wall of said opening, said body portion further having its other end formed with a transversely extending split tongue conforming in contour to the contour of said transverse groove and with the inner side of each

section of the tongue shaped to form a continuation of the wall of said opening, one of the sections of said split tongue projecting beyond one side of the body portion, said body portion further having one of its sides formed with a longitudinally extending tongue having one end integral with one of the sections of the transverse tongue and its

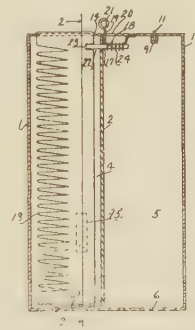


other end provided with a projection positioned at one end of the transverse groove, said body portion having at its other side a longitudinal groove conforming in contour to the shape of the longitudinal tongue and further formed with a projection at that end provided with a transverse groove, and said transverse tongues being undercut for seating on said projection.

1,462,375. PROCESS OF PREPARING CHEESE. GOTTFRIED MEYER, Verdale, Minn. Filed July 18, 1922. Serial No. 575,764. 3 Claims. (Cl. 99—11.)

3. The herein described process of preparing cheese which consists of comminuting already prepared cheese as a base, then adding natural milk thereto, then gradually heating the mass and constantly stirring the same until the product assumes a stringy, dough-like or elastic condition, and working the product by pulling until it assumes the proper consistency, then placing the product in cans which are sealed airtight and sterilized.

1,462,376. VANITY CASE. BENNIE F. OSTROWSKI, San Jose, Calif. Filed Jan. 25, 1923. Serial No. 614,861. 6 Claims. (Cl. 132—79.)

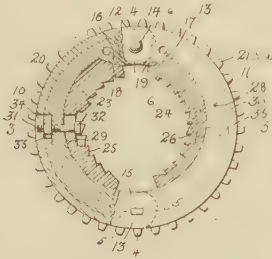


1. A vanity case comprising a body portion forming a receptacle, said receptacle having an orifice formed in one end thereof, a comb arranged in said receptacle and passing through said orifice, means for normally securing said comb in said receptacle, and means for partially ejecting said comb when said securing means is moved to an inoperative position.

1,462,377. PIPE CLAMP AND WRENCH. JOHN A. PAINTER, Hominy, Okla., and HARVEY GLENN McCULLOUGH, Angola, N. Y. Filed Mar. 24, 1922. Serial No. 546,226. 4 Claims. (Cl. 81—54.)

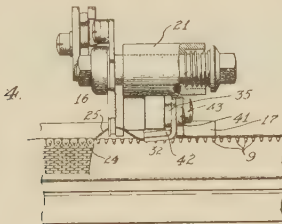
1. A device for the purpose set forth comprising a revoluble hollow annular body portion formed of a pair of sections hingedly connected at one end and detachably connected together at their other end, each of said body sections having the major portion of its inner face eccentrically disposed with respect to its outer face and formed with an inwardly extending

abutment at its hinged end, oppositely disposed segment shaped toothed gripping members each slidably positioned against the eccentric portion of the inner face of each section and normally positioned against an



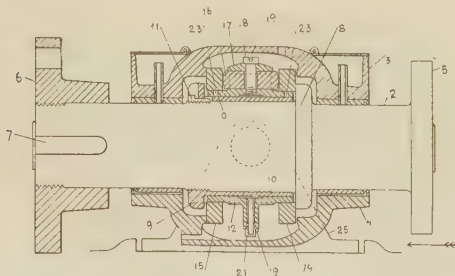
abutment, a bolt and slot connection between each gripping member and a body section intermediate the ends thereof, and means for detachably connecting one end of a gripping member to a body section when the other gripping member is active.

1,462,378. MACHINE FOR UNITING LOOPED FABRICS. EDISON E. RANDALL, Kankakee, Ill., assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill., a Corporation of Illinois. Filed Feb. 27, 1922. Serial No. 539,700. 31 Claims. (Cl. 112—252.)



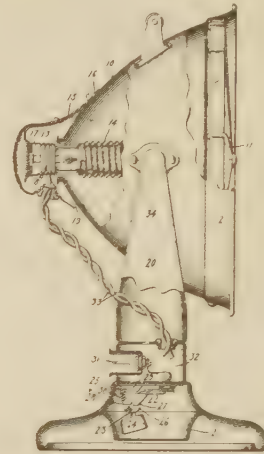
1. A machine for sewing looped fabrics, including a movable impaling pin support, impaling pins arranged thereon and traveling therewith, stitch-forming mechanism for securing together the impaled fabric loops by forming a line or chain of stitches therein and above the impaling pins, continuously-operated chain raising and severing mechanism juxtaposed to the path of travel of the pins, and a chain-curling device associated with said mechanism.

1,462,379. ROLLER BEARING. TURE GUSTAF RENNERTFELT, Stockholm, Sweden. Filed Apr. 15, 1922. Serial No. 553,061. 10 Claims. (Cl. 64—50.)



1. The combination of a shaft, a flange thereon, another flange threaded on the shaft, two racers rotatably mounted on the shaft between the flanges, a yoke journaled on the shaft, a plurality of rollers mounted in the yoke in contact with the racers, and a lid fastened to the yoke in contact with the end surface of a roller.

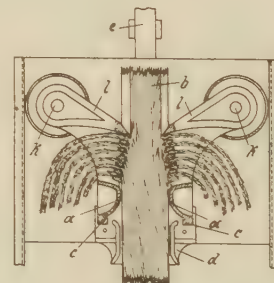
1,462,380. ELECTRIC HEATER. EARL H. RICHARDSON, Ontario, Calif., assignor, by mesne assignments, to Majestic Electric Development Company, a Corporation of California. Filed Apr. 2, 1920. Serial No. 370,734. 6 Claims. (Cl. 219—34.)



1. An electric heater comprising a concave reflector having an axial opening therethrough, a support at the rear of the opening and a heating unit within the reflector and carried by said support, the part passing through the opening being spaced from the reflector.

1,462,381. WATERPROOFING COMPOSITION. ALBERT SCHMIDT, Paris, France. Filed Oct. 31, 1922. Serial No. 598,199. 1 Claim. (Cl. 134—15.)
A waterproofing composition comprising chlorinated mineral wax and turpentine as a solvent thereof.

1,462,382. GRIPPING DEVICE FOR LIFTS AND THE LIKE. PAUL SCHÖNFELD, Bochum-Weitmar, Germany. Filed Aug. 24, 1921. Serial No. 494,962. 9 Claims. (Cl. 187—86.)

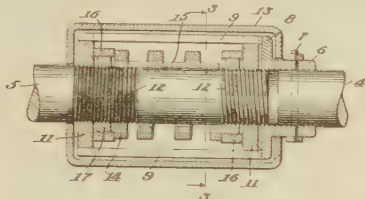


5. In a gripping device for lifts in combination, a cage, a grip jaw connected with said cage, a wooden rail adapted to be gripped by said jaw, a plurality of superposed cutting teeth on said jaw spaced apart so as to allow chips of wood to pass between them, a projection on said jaw and a stop on said car adapted to cooperate with said projection in limiting the gripping motion of said jaw.

1,462,383. RESILIENT TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed June 7, 1919. Serial No. 302,413. 4 Claims. (Cl. 64—100.)

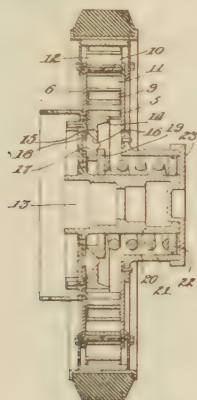
1. In a resilient shaft transmission, the combination of a driving element, a driven element, a spring asso-

ciated with one of said elements, oppositely adjustable collars for tensioning the spring, and means connected



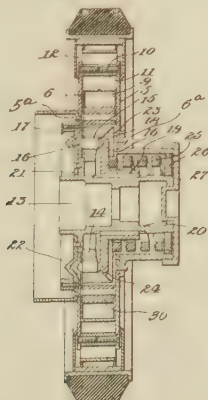
with the other of said elements for actuating said adjustable collars, substantially as set forth.

1,462,384. COMBINED RESILIENT BEARING AND TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Nov. 8, 1919. Serial No. 336,632. 6 Claims. (Cl. 152-45.)



1. In a combined resilient transmission and bearing for vehicle wheels the combination of a hub portion, a wheel rim mounted in bearing relation to the hub adapted to have limited radial movement thereon, a ring mounted to have axial movement on the rim and provided with wedge elements fixedly mounted, wedge elements on the hub co-operable with said ring wedge elements, and resilient means normally holding said wedge elements in co-operative relation, substantially as set forth.

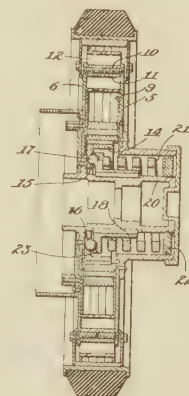
1,462,385. COMBINED RESILIENT BEARING AND TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Dec. 3, 1919. Serial No. 342,285. 8 Claims. (Cl. 152-45.)



1. In a combined resilient transmission and bearing for vehicle wheels the combination of a hub portion, a wheel rim mounted to have limited radial movement thereon, a plurality of members having wedge elements

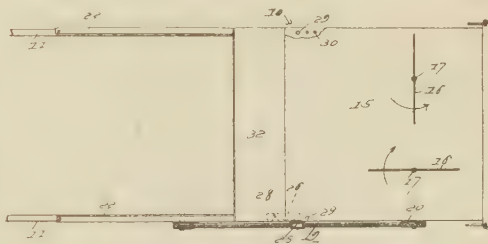
mounted on the wheel rim, fixed and movable wedge elements on the hub co-operable with said rim wedge elements, and resilient means normally holding said wedge elements in co-operative relation, substantially as set forth.

1,462,386. COMBINED RESILIENT BEARING AND TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Dec. 3, 1919. Serial No. 342,286. 3 Claims. (Cl. 152-45.)



1. In a combined resilient transmission and bearing for vehicle wheels, the combination of a hub portion having side plates, a wheel rim mounted to have limited radial movement between said side plates, said rim provided with a plurality of centrally disposed flanges disposed in bearing relation against one of said side plates; a collar axially movable on the hub, complementary recesses formed in said flanges and the collar, anti-friction bearings fitting in said recesses, and tensioning means associated with said collar and the rim, substantially as set forth.

1,462,387. STRAW SPREADER FOR HARVESTING AND THRASHING MACHINES. BUDD E. SLADE, Cozad, Nebr. Filed June 26, 1922. Serial No. 570,809. 2 Claims. (Cl. 275-8.)

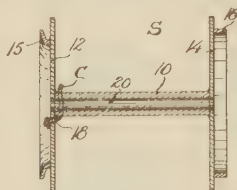


1. A straw spreader having a main frame provided with means for attachment to a harvester, a sub-frame mounted upon the main frame for adjustment longitudinally of the path of progress of the harvester and carrying a distributing platform for receiving the discharge from the thresher mechanism, opposed rotary fans mounted to traverse the surface of the platform, and means actuable by the harvester for communicating rotary motion to the fans.

1,462,388. IRON SPOOL FOR WIRE CABLES OF OIL WELLS. ELLSWORTH F. SMITH, Denver, Colo. Filed Sept. 26, 1921. Serial No. 503,293. 2 Claims. (Cl. 242-117.)

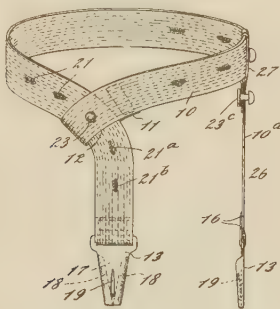
1. A metal spool comprising a drum having a bore for ready reception of a shaft, a head integrally secured to each end of the drum, and a pulley integrally secured to one head for the reception of a rope or belt, said

pulley having a diameter sufficiently smaller than the diameter of the head that said head will serve as a guide for the rope or belt and will prevent the same from



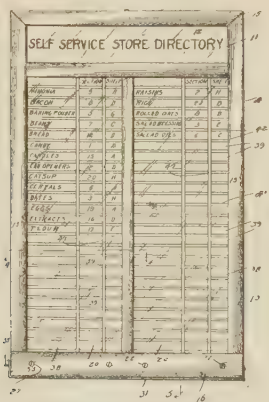
riding up on the periphery of said head, the pulley itself being one-sided, the side of the respective head serving as the other side of the pulley.

1,462,389. GARMENT SUPPORT. MAX SONNENFELD, New York, N. Y. Filed Dec. 30, 1920. Serial No. 433,970. 9 Claims. (Cl. 241-6.)



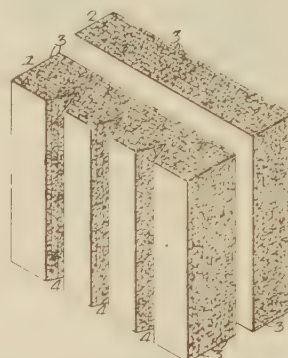
1. A garment support comprising a web having ends, one end formed into a closed loop consisting of the web and the other end provided with a fastening device adapted to be threaded through said loop and provide a projecting portion and means associated with the loop and web for adjustably securing said loop to the web in definite relation and for adjusting the length of the projecting portion.

1,462,390. SELF-SERVICE-STORE DIRECTORY. OLAF STAVIG, Seattle, Wash. Filed May 25, 1922. Serial No. 563,563. 6 Claims. (Cl. 40-64.)



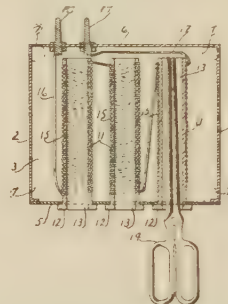
1. A sign of the class described consisting of a frame, a transverse rail on said frame, a sign board insertable into said frame, fastening means on the sign board to engage said rail, a closure bar below said rail, and said closure bar and rail being spaced apart to permit access to said fastening means for operation.

1,462,391. BRAKE BLOCK. ROBERT J. STOKES, Trenton, N. J., assignor to Thermoid Rubber Company, Hamilton Township, N. J., a Corporation of New Jersey. Filed July 7, 1921. Serial No. 482,991. 3 Claims. (Cl. 188-250.)



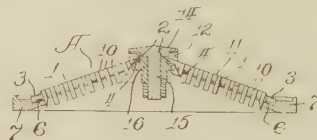
2. A curved bearing block consisting of layers of asbestos fabric and a vulcanizable binder, the face of the block having tapered, parallel grooves, the fabric, at and near the face of the block, being cut to expose the ends thereof at the grooves.

1,462,392. ELECTRIC HEATER. ERVE C. STRICKLAND, San Jose, Calif. Filed Feb. 9, 1922. Serial No. 535,344. 1 Claim. (Cl. 219-22.)



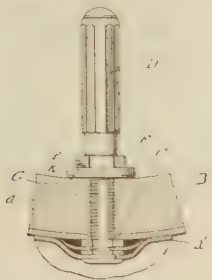
A device of the character indicated comprising a stand of heat conducting material having a closed top and ventilating means arranged in the upper part of its side portions, a plurality of tubular elements arranged in a horizontal plane within said stand, each tube having an open end communicating with the front of said stand whereby to receive pleating irons, and heating elements wound around said tubes and operatively arranged in an electrical circuit, the front of said stand extending a distance above the top thereof and having a plurality of notches formed therein adapted to receive and support the handle end of the pleating irons when not in use or in said tubes.

1,462,393. FURNACE GRATE. ROBERT E. STURMAN, Delano, Minn. Original application filed July 18, 1917, Serial No. 175,384. Divided and this application filed Jan. 29, 1919. Serial No. 273,910. 5 Claims. (Cl. 126-176.)



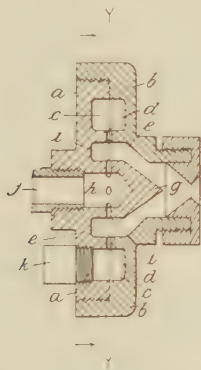
1. A rocking bar grate comprising a plurality of tapered grate bars provided at their ends with trunnions, fixed means for supporting said grate bars in radial arrangement, upstanding lugs formed on the innermost trunnions of said grate bars and an oscillatory head journaled in said supporting means having means adapted to engage said upstanding lugs to rock the grate bars.

1,462,394. DUST CAP. GEORGE W. TERRY, Nashville, Tenn. Filed Nov. 11, 1922. Serial No. 600,312. 8 Claims. (Cl. 152—12.)



1. In combination with a felly, a valve stem, a washer supported on said felly and having grooves formed in one face, a dust cap, and a spring permanently attached to said dust cap adapted to seat in one of said grooves.

1,462,395. CONSTRUCTION OF SPRAYING NOZZLES OR ATOMIZERS. HERBERT ALEXANDER THOMPSON, North Shields, England, assignor of one-half to Smith's Dock Company Limited, South Shields, England, a Corporation of Great Britain. Filed June 12, 1922. Serial No. 567,653. 15 Claims. (Cl. 158—76.)

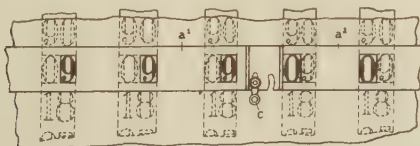


1. A spraying nozzle or atomizer for use in dealing with liquid fuel for combustion purposes comprising the combination of a central outlet chamber, two annular supply chambers disposed coaxially, tangential discharge passages leading in converging directions from said annular supply chambers into said outlet chamber so that the jets of discharged fluid meet in said outlet chamber.

1,462,396. PORCELAIN. CHESTER C. TREISCHER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 8, 1921. Serial No. 476,084. 3 Claims. (Cl. 106—11.)

1. A raw batch for a porcelain mix comprising beryl as a component.

1,462,397. CALCULATING MACHINE. FRANZ TRINKS, Brunswick, Germany. Filed Aug. 2, 1920. Serial No. 400,833. 5 Claims. (Cl. 235—73.)



1. In a calculating machine, the combination with the setting mechanism, of a registering mechanism and its numeral wheels provided each with two series of num-

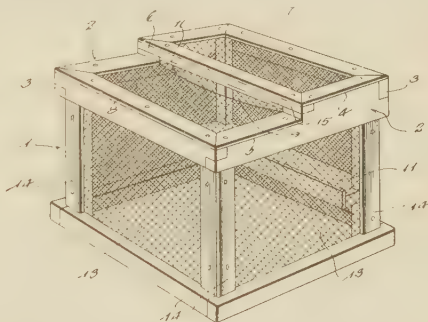
bers disposed in opposite order and displaced from each other, and a plurality of displaying means adapted for conjoint cooperation with all the numeral wheels and for independent cooperation with a part of said numeral wheels.

1,462,398. AUTO APPLIANCE. PAUL E. VAN NOSTRAND, Lyons, Nebr. Filed Oct. 24, 1921. Serial No. 509,813. 1 Claim. (Cl. 240—1.)



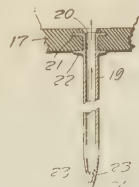
In a device for the purpose set forth, the combination of an adjustable and extensible handle, comprising two portions; one of which is provided with a longitudinal central bore that extends from one end to a point slightly beyond the longitudinal center thereof; and the other of said portions being adapted to enter the bore of the first portion, a ferrule surrounding one end of the second portion, and a comparatively short portion of the second portion extending slightly beyond the ferrule, brackets secured on the comparatively short portion, illuminating means secured in the brackets, a yoke formed integral on one end of the arm, and a mirror adjustably secured in the yoke and adapted to be positioned at various angles with respect to the handle portions, arm and illuminating means.

1,462,399. TRAP. NORMAN V. WALLIS, San Antonio, Tex. Filed Oct. 16, 1922. Serial No. 594,807. 6 Claims. (Cl. 43—05.)



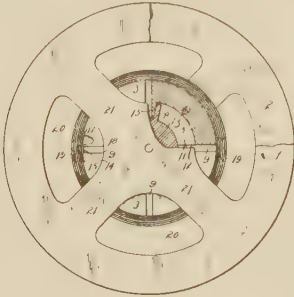
1. A trap comprising a cage having a yieldable side wall formed of two sections disposed in spaced planes, having an entrance opening between them through which the prey may enter by springing one section away from the other section, the edge of the latter along said entrance opening being provided with a stiffening bar, and an inwardly extending flange carried by said bar and extending in spaced relation to the inner side edge of the other section.

1,462,400. COMB AND BRUSH. ALICE N. WARREN, Reno, Nev. Filed Apr. 22, 1922. Serial No. 556,125. 3 Claims. (Cl. 15—155.)



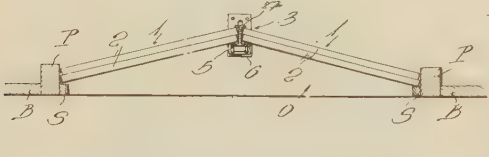
1. A vacuum brush or the like, comprising a body portion and a plurality of tubular teeth carried by the body portion and communicating therewith, each of the teeth being provided near their outer end with oppositely disposed and upwardly converging openings.

1,462,401. REEL FOR CINEMATOGRAPH FILM AND THE LIKE. EDWARD JOHN WAY, Johannesburg, Transvaal, South Africa, assignor to Bioscope Improvements Limited, Johannesburg, Transvaal Province, South Africa, a Company of the Transvaal Province. Filed Sept. 14, 1922. Serial No. 588,257. 3 Claims. (Cl. 242—74.)



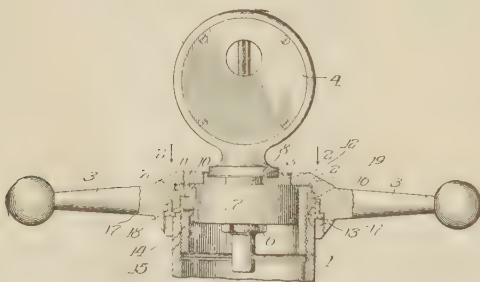
1. A reel for cinematograph film and the like consisting of two cheeks, core segments mounted for radial movement on one cheek, a cone on the other cheek adapted to enter and expand said core, and co-acting parts on the cheeks locking the same for rotational movement and also against axial separation, said parts being arranged thus to co-act upon relative rotational movement of the cheeks after the core has been fully expanded by the cone.

1,462,402. RAILWAY-FREIGHT-CAR DOOR. CHARLES E. WEBSTER, Winthrop, Minn. Filed July 20, 1922. Serial No. 576,317. 9 Claims. (Cl. 20—30.)



1. A collapsible closure including a plurality of disconnected boards arranged in vertical alinement with their longitudinal edges in abutting relation, the outer ends of these boards bearing against the car body, and a sustaining member cooperable with the opposite ends of the boards, said member having a retractable retainer co-operating with the lowermost boards to permit removal thereof when it is desired to discharge the grain from the car, whereby to permit collapsing of the entire structure.

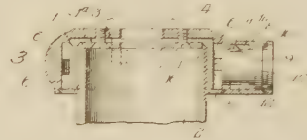
1,462,403. AUTOMOBILE RADIATOR ATTACHMENT. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 18, 1920. Serial No. 411,255. 20 Claims. (Cl. 70—90.)



13. An automobile radiator attachment comprising a rotatable cap, a bushing rotatably mounted therein,

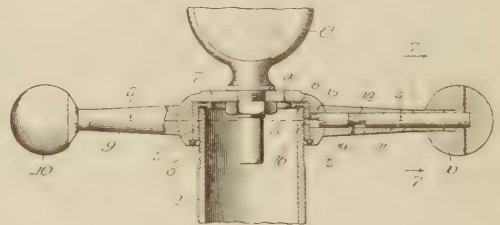
means frictionally engaging said members to restrain them against relative rotation, said bushing being equipped with means for effecting its attachment to a suitable mounting by rotary movement, and manipulative means housed by the cap for engaging the bushing to permit rotation thereof by the cap.

1,462,404. THEFT-PREVENTING DEVICE. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 25, 1920. Serial No. 419,402. 13 Claims. (Cl. 70—90.)



6. In a theft preventing device, the combination of a retaining member adapted for connection with a suitable mounting by rotary movement, an operating member housing the retaining member and rotatably mounted thereon, and a connecting member protectively housed by the operating member for engagement with the retaining member to permit rotation of the latter by the operating member, said operating member including a concealed portion effective to lock the connecting member out of engagement with the retaining member.

1,462,405. THEFT-PREVENTING DEVICE. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 29, 1920. Serial No. 420,549. 19 Claims. (Cl. 70—90.)



11. In an automobile radiator closure, the combination with a nipple of a cap adapted to form a closure therefor, said cap having symmetrically arranged laterally extending arms whereby it may be rotated on the nipple, and engaging means for securing the cap to the nipple, said engaging means including a lock member housed in one of said arms and an operating member engageable at the outer extremity of said arm for operating said lock member.

1,462,406. COUPLING. JOSEPH ZAJIC, Jersey City, N. J. Filed Feb. 3, 1922. Serial No. 533,892. 3 Claims. (Cl. 24—126.)

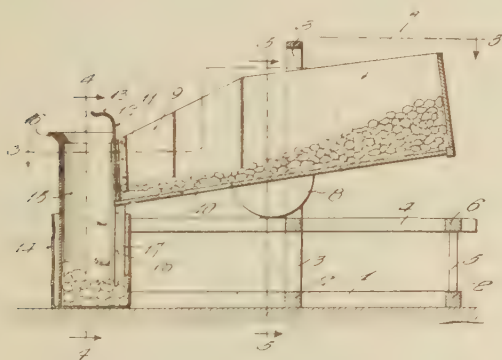
1. A coupling of the class described including tapered coupling ends, means connecting the ends with each other and clamp rings on said ends, the said ends being tapered externally and the clamp rings having a corresponding taper and said ends having axial bores for the passage of elements to be coupled from the outer ends through the

said bores to the inner ends, the opposed bases of said ends being separated to present a clearance space per-



mitting of the elements to be coupled being return bent on to the tapered exterior of said ends to extend through the clamping ring.

1,462,407. DISPENSING AND MEASURING DEVICE. OSCAR HAUENSTEIN, Uniontown, Pa. Filed July 27, 1922. Serial No. 577,953. 4 Claims. (Cl. 226—47.)

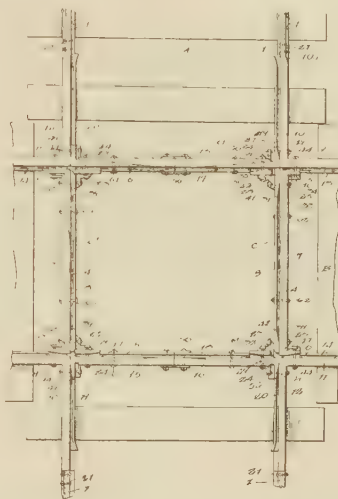


1. A dispensing and measuring device comprising a container having a spout extension open at its outer end, an open ended measure having its side provided with a longitudinally extending inlet opening, and means for slidably and pivotally connecting said measure with the outer end portion of the spout of said container.

1,462,408. RAILWAY CROSSING. JAMES PAUL HOUK, Mountain Grove, Mo. Filed Jan. 24, 1923. Serial No. 614,712. 8 Claims. (Cl. 246—273.)

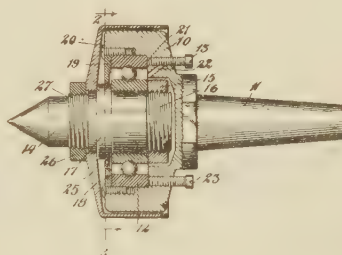
1. A railway crossing of the character described comprising pairs of spaced apart rails lying in planes intersecting at right angles, each of said rails comprising fixed aligned rail sections terminating short of each other at the intersection of the plane of said rail with the plane of one of the rails disposed at right angles thereto, a substantially T-shaped bridge member associated with each of said rails, spring means acting on said bridge member continuously to urge the body of the latter into position to close the gap between adjacent ends of adjacent fixed sections of the rail and the head

of the bridge member against the intersecting rail, said head being adapted to be actuated by the flange of a car



wheel traversing the intersecting rail and moved out of position to close the gap between said fixed rail sections.

1,462,409. LATHE CENTER. DE WITT E. HOWARD, Ridgewood, N. J. Filed Feb. 25, 1922. Serial No. 539,246. 4 Claims. (Cl. 82—33.)

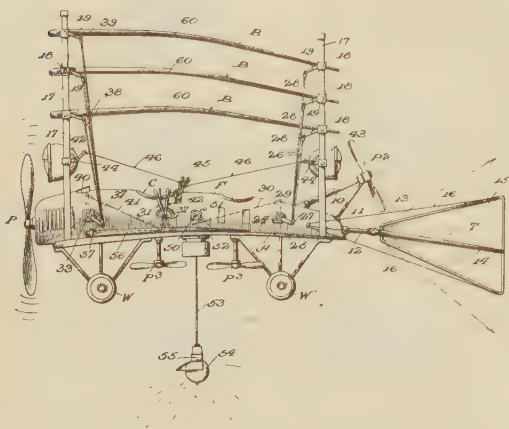


1. A lathe center of the class described, comprising a hollow body, a raceway ring tightly mounted in said body, a work receiving spindle having a raceway ring tightly mounted thereon, a plurality of ball bearings interposed between said raceway rings for rotatably mounting the work receiving spindle in the body, means carried by the work receiving spindle for protecting the raceway and body, and a plurality of screws projecting through the body wall and engaging with the outer raceway ring to serve as a means for forcing said ring out of the body.

1,462,410. AEROPLANE. LYLE JACOBY, Paris, Ky. Filed Oct. 27, 1922. Serial No. 597,414. 3 Claims. (Cl. 244—12.)

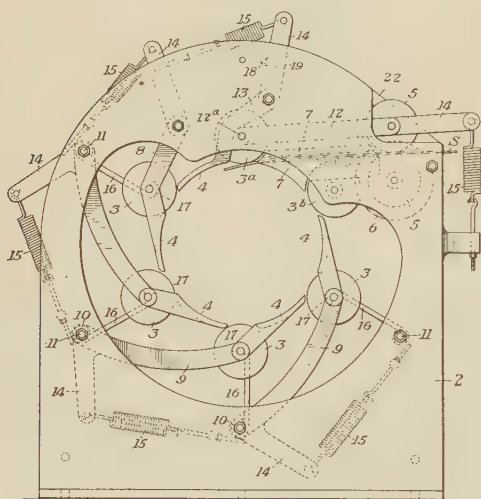
1. An aeroplane construction comprising a supporting plane, a plurality of uprights carried thereby, said uprights being preferably four in number and two arranged at the rear end of the supporting plane and two at the forward end thereof, a plurality of collars carried by each of said uprights and freely slidable thereon, a plurality of planes superposed with relation to each other and arranged longitudinally of said aeroplane, said planes being disposed between the pair of posts occurring at the rear end of the aeroplane and also between the pair of posts occurring at the forward end of the aero-

plane, connecting means between the collars and planes adapted to permit the similar ends of the planes to be



adjusted with respect to each other and combined push rod and lever means operable from the aeroplane whereby the planes may be adjusted.

1,462,411. REEL. LANE JOHNSON, Ingram, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 2, 1922. Serial No. 604,488. 12 Claims. (Cl. 242—78.)

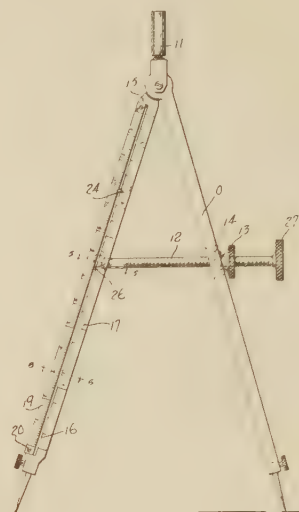


1. In a reel, a supporting frame, and a plurality of strip guiding devices forming a substantially enclosed circular unobstructed coiling space and adapted to co-operate with a strip fed to said reel and form the same into a series of superimposed convolutions, said guiding devices being movable outwardly under the action of the material being coiled, substantially as described.

1,462,412. COMPASSES. UNO JOHNSON, Brooklyn, N. Y. Filed Dec. 21, 1921. Serial No. 523,969. 10 Claims. (Cl. 33—148.)

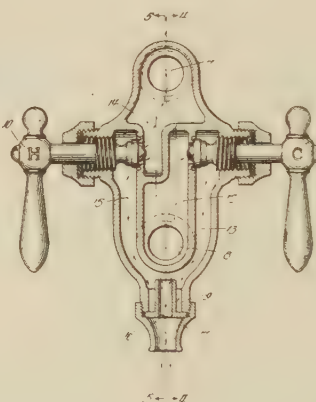
1. A compass including a plurality of legs movable with respect to each other, one of said legs being hollow,

a scale associated with said leg, and means associated with said hollow leg and actuated upon said legs being



moved with respect to each other for registering the movement of one of said legs with respect to the second of the same.

1,462,413. COMBINATION FAUCET AND MIXING NOZZLE. SAMUEL KERSTEN, Chicago, Ill. Filed Mar. 24, 1921. Serial No. 455,210. 4 Claims. (Cl. 277—18.)

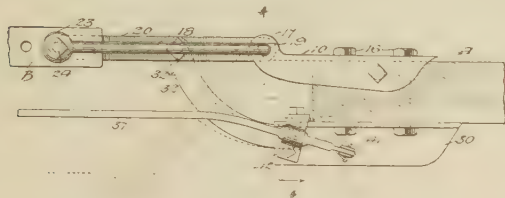


1. A mixing faucet comprising a body having upper and lower intakes and an outlet, left and right hand valves, separated outer passages extending downwardly around the lower intake along opposite outer lateral walls of the body from the outlet sides of the valve ports to the body outlet, inner passages in the body connecting the intake sides of the valve ports with the upper and lower body intakes, and suitable inner walls separating the inner and outer passages.

1,462,414. TRACTOR HITCH. MADISON MONROE KNOWLES and JAMES NICHOLAS BATES, Fort Branch, Ind. Filed July 1, 1922. Serial No. 572,130. 11 Claims. (Cl. 280—33.44.)

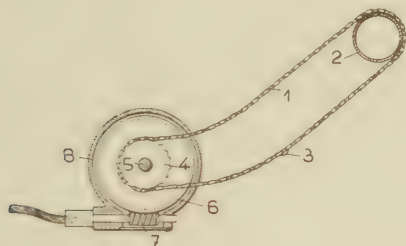
1. In a tractor hitch, a hitch device, means to dispose the same on a tongue at a side thereof for a side

draft connection, a brace pivotally secured to said hitch device, and guide means in which said brace may have



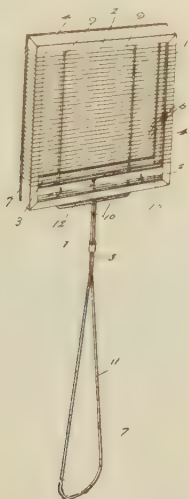
movement with the lateral swinging of the hitch device, said guide means including means to mount the same.

1,462,415. APPARATUS FOR CLEANING THE OUTSIDE OF BOILER TUBES. FRITZ KOBER, Subl, Germany. Filed Mar. 22, 1921. Serial No. 454,498. 2 Claims. (Cl. 15—104.04.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



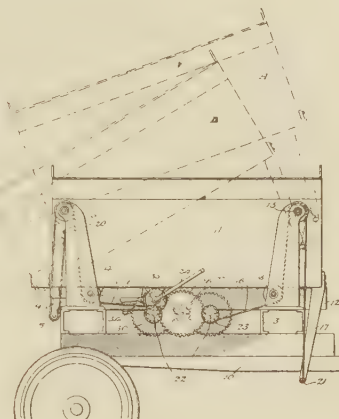
1. An apparatus for cleaning the exterior of boiler tubes, comprising a portable operating mechanism, and an endless band or chain having cleaning tools and operated by said mechanism, said band or chain being adapted to be passed around the tube to be cleaned.

1,462,416. FLYCATCHER. LYLE CHAS. McDERMOTT, Pocatello, Idaho. Filed Sept. 3, 1921. Serial No. 498,233. 6 Claims. (Cl. 43—134.)



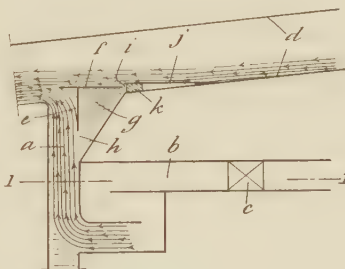
1. In a fly catcher, a frame having its sides made up of elastic strips arranged in parallel relation a distance apart less than sufficient to provide the entrance of a fly therebetween, as and for the purpose set forth.

1,462,417. DUMPING BODY. WILLIAM H. MAHLOW, Trenton, N. J. Filed Apr. 25, 1922. Serial No. 556,437. 4 Claims. (Cl. 298—11.)



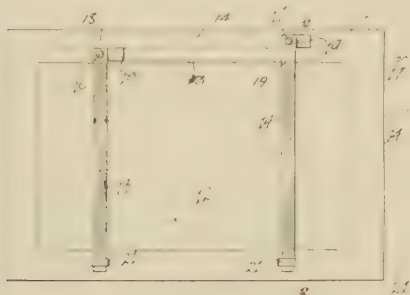
1. A dumping body including a support, a body positioned upon said support, and means for elevating the opposite ends of the body to different levels comprising elevating cables engaging opposite ends of the body, said body being provided adjacent one end with arms projecting below the bottom of the body to the lower ends of which arms are connected the cables engaging that end of the body, means connected to the inner ends of all the cables for retracting the cables, and guiding means for said cables including standards secured to said support and arranged adjacent to the ends of said body, and pulleys on said standards near the tops thereof over which said cables are passed.

1,462,418. WASHER FOR CLASSIFYING COAL, MINERALS, OR THE LIKE. LUCIEN MALÉCOT, Grand Croix, France. Filed Mar. 8, 1922. Serial No. 542,069. 4 Claims. (Cl. 83—82.)



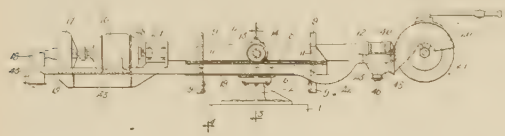
1. Apparatus for separating and grading mineral substances, comprising an approximately horizontal water conveying conduit, a vertical conduit connected at its lower end to said horizontal conduit through which said water flows upwardly for effecting the final separation of said substances, a hopper containing substantially stationary water connected to the upper end of said vertical conduit, and a slightly sloping conduit through which water carrying the substances to be separated flows, said sloping conduit having a passageway to said hopper, at which passageway the preliminary separation of said substances is effected.

1,462,419. PICTURE-RETAINING DEVICE FOR PICTURE FRAMES. CARL MANDEL, San Francisco, Calif. Filed July 7, 1922. Serial No. 573,349. 3 Claims. (Cl. 40—156.)



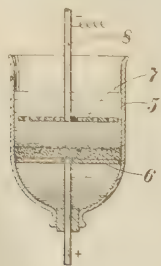
1. In a device of the character described, the combination with a frame, of pivoted arms secured to said frame, and lugs formed on said arms, said lugs being adapted to retain the free end of the next adjacent arm when said arms are moved into a position parallel to each other.

1,462,420. GRINDING MACHINE. ERIK W. MIKAELSON and ANDREW A. NEAVE, Easton, Pa., assignors to Treadwell Engineering Company, a Corporation of Pennsylvania. Filed June 27, 1919. Serial No. 307,083. 15 Claims. (Cl. 51—89.)



1. In a grinder, a motor, a grinding wheel driven thereby, a main body carrying said motor at one end and said grinding wheel at the opposite end, and wheeled supporting means directly carried by said main body intermediate the grinding wheel and the motor, said motor and grinding wheel being substantially in balance relatively to said supporting means whereby the operator adjacent the grinding wheel end can readily manipulate the grinder over the work.

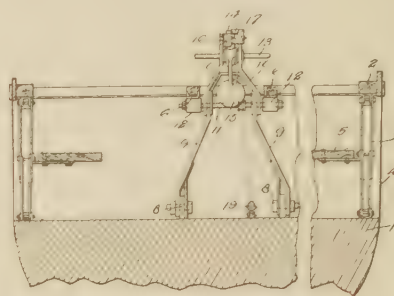
1,462,421. ELECTROLYTIC TREATMENT OF METALLIFEROUS MATERIALS CONTAINING METALS OF THE CHROMIUM GROUP. RICHARD EDGAR PEARSON, London, and EUSTACE NEVILLE CRAIG, Ham Common, England, assignors to Metal Patents Limited, London, England, a British Company. Filed June 1, 1922. Serial No. 565,209. 17 Claims. (Cl. 204—15.)



1. A process for concentrating metalliferous material containing a "chromium-group" metal, which process consists in surrounding an anode with said metalliferous material and with an electrolyte in which the mate-

rial is insoluble but in which the anode products to be isolated are soluble, and passing a current from the anode into the electrolyte.

1,462,422. HOISTING AND LOWERING COLLAPSIBLE LIFEBOATS. GIOVANNI RINESI, Genoa, Italy. Filed May 28, 1921. Serial No. 473,304. 4 Claims. (Cl. 9—23.)



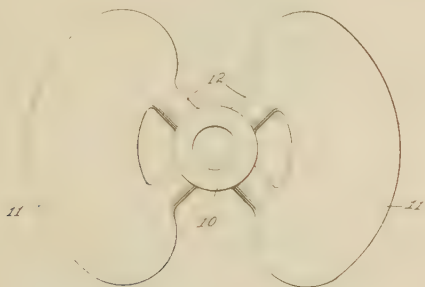
1. The combination of a collapsible lifeboat including a solid lower structure, a gunwale, flexible extensible side portions between the lower structure and the gunwale, of spaced parallel tracks mounted fore and aft of the boat, foldable link supporting structures mounted on the lower solid structure, weighted hooks pivotally supported in the outer ends of the link structures and adapted for engagement with tackles of a ship, rollers mounted on the link structures for association with the track whereby when the life-boat is moved outwardly for lowering into the water the weight of the lower structure will effect extension of the foldable link structure while the engagement of the rollers with the track will effect an extension of the collapsible sides of the boat simultaneously therewith.

1,462,423. CORSET. PHILIP H. ROBBINS, New York, N. Y., assignor to Poirette Corsets, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 8, 1922. Serial No. 542,043. 4 Claims. (Cl. 2—73.)



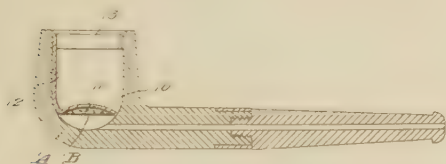
4. A corset including alternate elastic and non-elastic panels, the outer panels slit part way from the upper edge, and elastic members secured to said slit edges and extending in opposite directions around the figure both back and front, the alternate elastic and non-elastic panels forming two complete circles.

- 1,462,424. PROPELLER SCREW. JAMES SAMETZ, New York, N. Y. Filed Jan. 24, 1922. Serial No. 531,421. 1 Claim. (Cl. 170—187.)



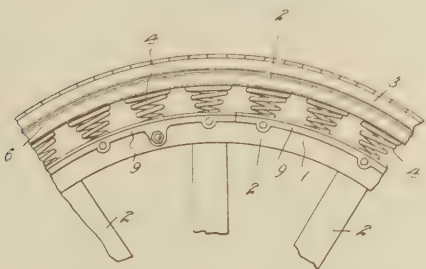
A propeller comprising a hub, spaced pairs of spokes radiating therefrom and arranged at diametrically opposite sides of the hub, the spokes of each pair being diametrically disposed with relation to the hub, a blade supported by each pair of spokes and each blade being elongated horizontally and twisted longitudinally, with the blades extending in relatively opposite directions.

- 1,462,425. SMOKING-PIPE ATTACHMENT. JOHN T. SHAW, Jonesboro, Ark., assignor of one-half to H. W. Applegate, Jonesboro, Ark. Filed Aug. 31, 1920. Serial No. 407,152. 1 Claim. (Cl. 131—12.)



A smoking pipe attachment comprising a circular grate like member adapted for disposition within the bowl of a pipe near the bottom thereof, an upstanding support carried by the grate like member and terminating in a split ring frictionally engaging within the bowl of the pipe.

- 1,462,426. RIM. EMIL O. STEEBER, Flagstone, British Columbia, Canada. Filed Aug. 2, 1922. Serial No. 579,207. 2 Claims. (Cl. 152—32.)



2. A wheel of the class described comprising an inner rim having notches therein, an outer rim, springs placed between the rims and having their inner ends engaging the notches, a sectional flanged ring engaging the inner rim for holding the springs in the notches, bolts for holding said sectional ring to the inner rim and bolts for fastening said sectional ring to the wheel to hold the inner rim on the wheel.

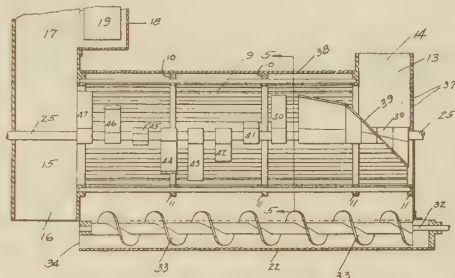
312 O. G.—40

- 1,462,427. LEER CONVEYER. WALTER R. STERRETT, Carnegie, Pa., assignor to H. L. Dixon Company, Carnegie, Pa., a Corporation of Pennsylvania. Filed Mar. 18, 1921. Serial No. 453,457. 12 Claims. (Cl. 198—195.)



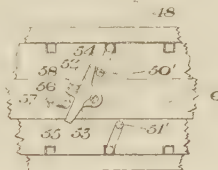
1. A leer conveyer having pans which are formed in separate transverse sections, and a common supporting chain to which the inner end of each pan section is connected, substantially as described.

- 1,462,428. SNAPPED-CORN SEPARATOR. FRANK J. TEMPLE, Decatur, Ill., assignor to Union Iron Works, Decatur, Ill., a Corporation of Illinois. Filed July 17, 1919. Serial No. 311,640. 2 Claims. (Cl. 130—22.)



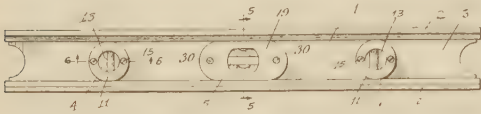
2. In a separator of the character described, in combination, a cylindrical grate including an annular row of closely spaced rods, an enclosing casing for said grate closely spaced from the rods to provide a passage therearound, a trough below the grate and in communication with the closure for the grate, a conveyor in said trough, means to operate said conveyor, a hopper inlet above one end of said grate and in communication therewith and having air inlet openings in one wall, a spiral feeder below the hopper and within the grate, a plurality of spaced beaters within the grate, in spiral arrangement, and extending uninterruptedly from the feeder to the discharge end of the grate, a fan casing at the discharge end of the grate, a fan in said casing, means to operate said feeder and beaters, and means to operate said fan.

- 1,462,429. ADJUSTABLE COMBINATION STOP-ACTION FOR ORGANS. EDMOND VERLINDEN, Milwaukee, Wis. Filed May 11, 1921. Serial No. 468,468. 4 Claims. (Cl. 84—345.)



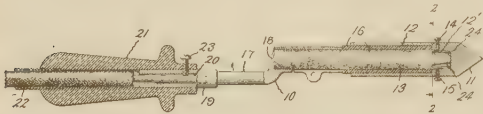
3. In an adjustable combination stop-action for organs, the combination of a trace rod, a trigger pivotally mounted on said rod, a spring for holding said trigger in either "on" or "off" position, means distinct from said spring for limiting the swinging movement of said trigger, a stop key, and means operatively connected to said stop key to operate upon or be operated by said trigger.

1,462,430. SPIRIT LEVEL. PAUL HERMAN VOGEL, New Britain, Conn. Filed May 12, 1921. Serial No. 469,018. 9 Claims. (Cl. 33—213.)



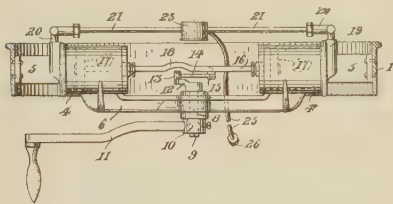
1. In a spirit level, the combination of a beam or body having tube openings, with a sectional container for each opening, comprising mating sections, each section being adapted to support a spirit tube, and means cooperating with the sections to adjustably secure the sections on the body, each section adapted to be adjusted independently of the other.

1,462,431. ELECTRICALLY-HEATED TOOL. EDWARD A. WAGNER, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Dec. 5, 1921. Serial No. 519,876. 8 Claims. (Cl. 219—26.)



1. An electrically heated tool comprising a rod having a portion at one end adapted to generate heat, and a heated body secured in engagement with said portion so as to be included with said rod in an electric heating circuit and be heated by conduction from said portion.

1,462,432. TIRE PUMP. PETAR WAJDIC, Pleasant Unity, Pa. Filed Dec. 17, 1921. Serial No. 523,037. 3 Claims. (Cl. 230—27.)

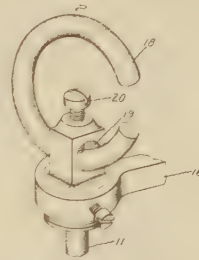


1. A pump of the type described comprising an annular supporting member, pump cylinders within said annular member, brackets rigidly connecting said pump cylinders at their outer ends with said annular member, a piston in each cylinder, a connecting rod between the pistons, an offset portion formed in said piston connecting rod, a brace arm rigidly connecting said cylinders at their inner ends, said brackets and brace cooperating for holding said cylinders in alignment, and means to reciprocate said pistons, said means including a crank shaft journaled in said brace arm, crank arm carried by the inner end of said crank shaft, and a link connection between said crank arm and the piston connecting rod, said offset portion in the piston connecting rod being provided to afford clearance for said crank arm.

1,462,433. MAGNETIC SUSPENSION. HENRY E. WARREN, Ashland, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 18, 1921. Serial No. 438,224. 2 Claims. (Cl. 64—10.)

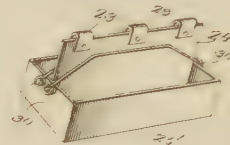
2. A magnetic suspension for shafts comprising a vertically disposed shaft of magnetic material, an upper bearing

for said shaft, a support for said bearing having a horizontally disposed opening therein above said shaft,



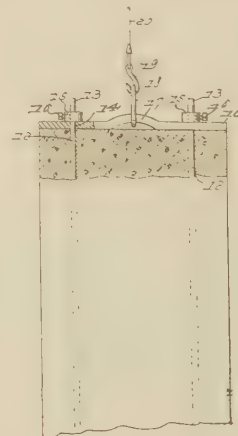
and a permanent magnet in the form of a nearly closed ring having its lower portion adjustably secured in said opening.

1,462,434. MAGAZINE RACK. ADA B. WENDEL, Smithland, Iowa. Filed Mar. 6, 1922. Serial No. 541,544. 1 Claim. (Cl. 211—20.)



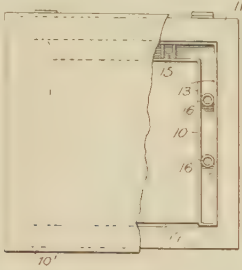
A receptacle for use in connection with an endless display rack comprising a bottom, vertical sides and ends rising from the bottom to form an open-topped box, a vertical longitudinal central wall rising from the bottom and connected to the end walls and dividing the box into two compartments, said central wall rising to a distance above the side and end walls, straps secured to and straddling the upper edge of the central wall for suspending the receptacle on a support, and article retaining bars extending longitudinally of the box on each side of the central wall and bearing thereagainst, the ends of the bars being formed with spring coils and secured to the end walls of the box exteriorly thereof.

1,462,435. PILE LIFTER. CHARLES L. WEST, Franklin, N. C. Filed Sept. 13, 1922. Serial No. 588,051. 2 Claims. (Cl. 294—83.)



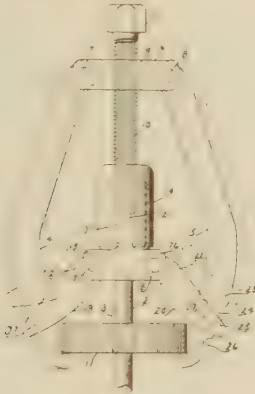
1. A reinforced concrete pile lifter having a lifting bar for arrangement in contact with the upper end of the pile and provided with means for engaging the same, and a hoisting ring or hook connected with said bar at an intermediate point for engagement by the hook of a hoisting cable, the lifting bar being provided with openings for the reception of the extended terminals of the pile reinforcing rods, and means provided for holding said bar in engagement with the rods.

- 1,462,436. ICE BOX FOR REFRIGERATORS. EMIL WOERTH, Hamilton Beach, N. Y. Filed July 8, 1922. Serial No. 573,563. 3 Claims. (Cl. 62-68.)



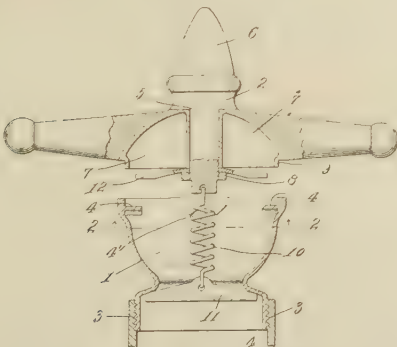
1. In an ice box for refrigerators, the combination of a shell comprising inner and outer walls with a space for ice between them and a bottom wall, perforated partitions in the space between the walls and forming compartments to contain salt to impregnate the lower water and ice, and a drain for said shell.

- 1,462,437. GEAR PULLER. ADAM F. YOUNG, San Jose, Calif. Filed Feb. 9, 1922. Serial No. 535,289. 1 Claim. (Cl. 29-85.)



A pulling device comprising a screw, a bar slidably mounted thereon, opposed clamps pivotally mounted on said bar, and having notches formed in the outer edges of their free ends, a threaded element engaging said screw, opposed slotted links pivotally mounted on said element and engageable with the notches in said clamps, each clamp passing through the slot in the link in engagement therewith.

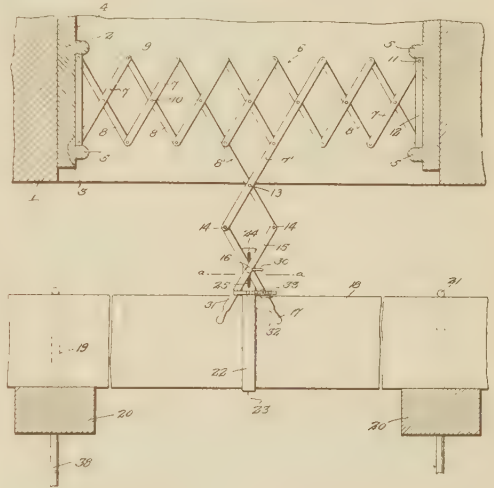
- 1,462,438. CAP. GROVER C. APPLE, Greensboro, N. C. Filed Nov. 29, 1921. Serial No. 518,633. 1 Claim. (Cl. 220-24.)



A radiator cap consisting of a bowl-shaped lower part, a headed stem, means for flexibly connecting the lower end of the stem with the lower part, an upper part hav-

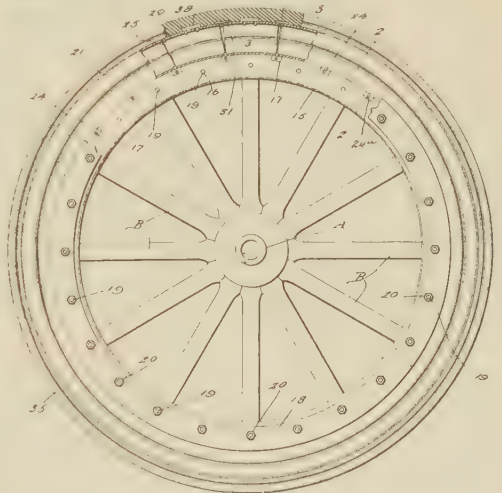
ing a central bore through which the stem passes, a nut for holding said part on the stem, spring arms held on the stem by the nut, recessed lugs on the bowl-shaped part for receiving the ends of the arms so as to lock the two parts together and a flange on the upper part for entering the bowl-shaped part.

- 1,462,439. SCAFFOLD. JOHN L. BALDWIN, Washington, D. C. Filed Aug. 24, 1922. Serial No. 584,017. 3 Claims. (Cl. 304-10.)



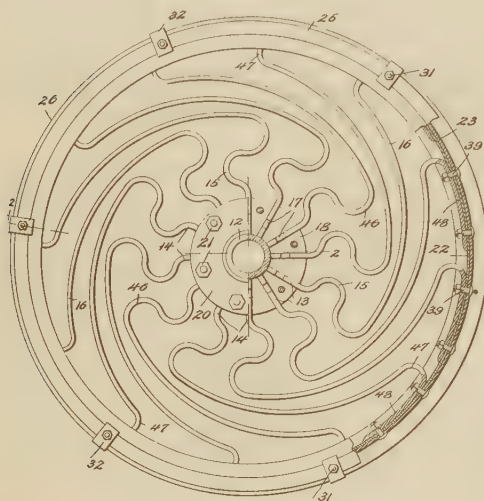
1. In a scaffold structure, in combination, a plurality of uprights, means carried by the uprights for supporting a scaffold board, a scaffold board supported by said means, a bracket slidable on the scaffold board, a laterally expansible mechanism secured to the bracket, means adjacent to the scaffold board for expanding and contracting said mechanism, and means for locking the mechanism in expanded position.

- 1,462,440. SPRING TIRE. ARTHUR E. BAUMAN, Akron, Ohio. Filed May 15, 1922. Serial No. 560,998. 7 Claims. (Cl. 152-8.)



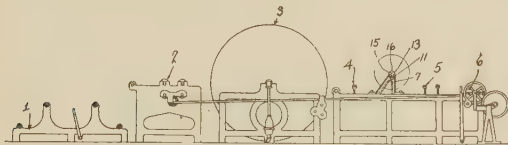
4. In a spring tire construction, a spring member secured upon the felly of a wheel and slits transversely at intervals, the outermost portion of said spring member being formed with a longitudinal rib, a correspondingly shaped plate member located over each slit and carrying projections fitting therein, a cushion tire having a longitudinal groove on its inner periphery fitting upon said spring member, the groove receiving said rib.

1,462,441. SPRING WHEEL. WILLIAM JAKOB BRISSEL, Port Richmond, N. Y. Filed Dec. 7, 1921. Serial No. 520,576. 5 Claims. (Cl. 152—50.)



4. A spring wheel structure comprising in combination, an outwardly facing channel bar rim rectangular in cross section having laterally outward extending portions along the outer edges of its side walls, a series of transversely flat spring spokes curved in the plane of the wheel between their ends, the outer ends being so shaped as to fit the sides and base of the channel of the rim and means for securing said ends to the portion of the rim forming said channel.

1,462,442. SLASHER. WESLEY A. BLACK, Spartanburg, S. C. Filed Jan. 17, 1921. Serial No. 437,917. 1 Claim. (Cl. 28—28.)

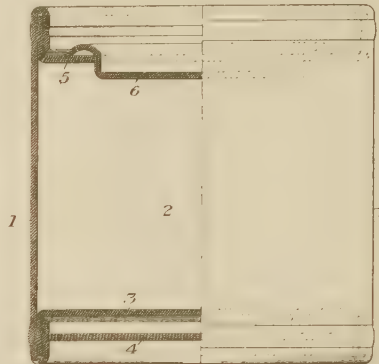


In combination with a slasher, means for supporting the cord beam of the slasher between the drying drum and the comb thereof, comprising a pair of aligned spaced substantially V-shaped brackets bolted to the frame of the slasher, an inverted substantially channel shaped bracket secured on the opposite faces of each V-shaped bracket and being provided with the longitudinally arranged dove tail in cross section groove, a shaft threadedly associated with the free end of each of the channel shaped brackets and a beam bearing fittingly engaged in the dove tail groove and carried by the shaft as and for the purpose specified

1,462,443. PAPER CAN OR CARTON. LEWIS C. BROOKS, Milwaukee, Wis., assignor, by mesne assignments, to The National Paper Can Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 21, 1916. Serial No. 115,962. 5 Claims. (Cl. 229—3.1.)

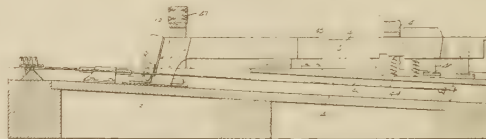
3. An all-paper can or carton for the storage and preservation of food products having a body portion formed of a strip of paper previously impregnated with a material which renders the paper impervious to grease or impervious to moisture, wound on itself and consolidated into a seamless unbroken laminated shell, and closures attached to both ends of the body portion, each

closure comprising a plurality of layers of paper previously impregnated with a material which renders the



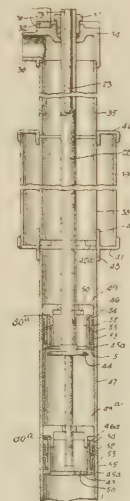
paper impervious to grease or impervious to moisture and consolidated into an unbroken laminated sheet, substantially as described.

1,462,444. PLECTRUM PIANO ACTION. GIUSEPPE CASCIO, New York, N. Y. Filed May 11, 1921. Serial No. 468,560. 9 Claims. (Cl. 84—258.)



8. A piano action including a movable arm, a string to be picked, a pick carried at the end of said arm adjacent to its string, and means for moving said arm to cause the pick to pluck said string, such means including a single fixed guiding member on one side of the string having a cross-section elongated more in one direction than in the direction perpendicular to the first-mentioned direction, and a single guided member carried by the pick-carrying end of said arm.

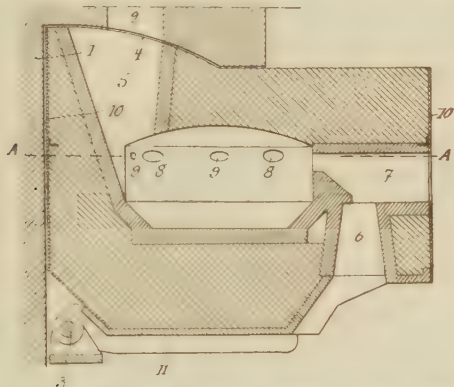
1,462,445. PUMP PISTON. THOMAS W. DELANEY, St. Paul, Minn. Filed June 7, 1921. Serial No. 475,616. 3 Claims. (Cl. 103—225.)



1. In a pump, a plunger rod, a disk valve on the plunger rod, a cylinder in which the plunger rod and the valve operate, a piston above the valve and a spider provided with fingers engaging the inner wall of said piston snugly fitting in said cylinder, at the upper end of

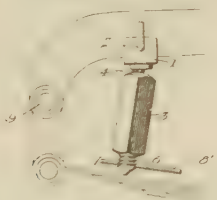
said piston, said piston being capable of movement in the cylinder relatively to the plunger rod and limited by the valve and spider, said spider centering said plunger rod and said fingers centering said piston to prevent piston slop.

1,462,446. TIPPING CRUCIBLE FOR BASALT FURNACES. PAUL DHÉ, Paris, France. Filed Jan. 26, 1922. Serial No. 531,923. 3 Claims. (Cl. 266—40.)



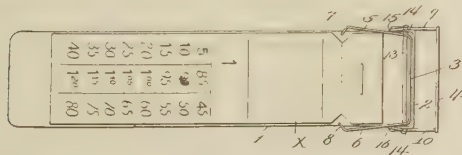
1. A crucible for receiving basalt when discharged from a melting furnace and for pouring the same into ingot or like moulds, comprising a stationary horizontal axle whereupon the crucible may be given a swinging movement, a basin formed within the crucible, a vault constituting a reverberatory dome situated above the said basin, a plurality of burners disposed at the periphery and opening into the said basin, the said burners being substantially tangent to the circumference of the basin.

1,462,447. TOOL FOR REMOVING SHACKLE BOLTS OF AUTOMOBILE SPRINGS AND THE LIKE. CLAUDE O. DUTRO, REGINALD W. KENT, and GEORGE S. KENT, Burkburnett, Tex. Filed May 28, 1921. Serial No. 473,333. 2 Claims. (Cl. 29—87.1.)



1. A tool of the character described comprising a channel shaped member, a screw bolt adapted to pass through a screw threaded hole in the channel shaped member, a wrench engaging member swivelled to the channel shaped member and being provided with a screw threaded socket and a screw threaded bolt received in the socket as and for the purpose specified.

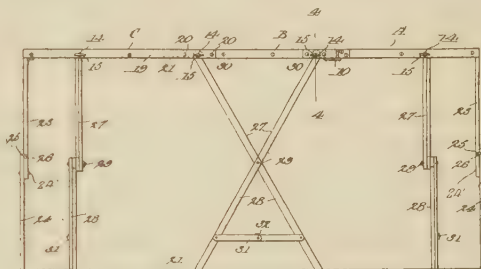
1,462,448. CHECK HOLDER. CARL FEDDERN, Philadelphia, Pa., assignor to Globe Ticket Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 30, 1920. Serial No. 400,113. 3 Claims. (Cl. 211—37.)



1. The combination of a support adapted to receive a pack of checks and having a forwardly bent portion at

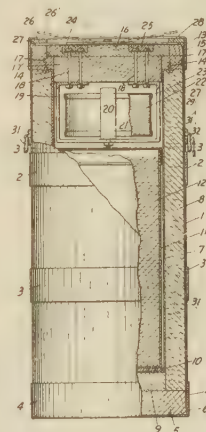
one end, a yoke-shaped gripping member composed of a strip of flat resilient material formed separately from the support but having its intermediate portion abutting flatwise against said forwardly bent portion of the support, said yoke shaped member forming opposed arms extending longitudinally of the support, said arms being arranged to engage opposite sides of a pack on said support and having a normal tendency to spread apart, and a locking member cooperative with the arms of the gripping member to force them into gripping engagement with the pack.

1,462,449. PAPER-HANGER'S TABLE. ABRAHAM FINN, Elizabeth, N. J. Filed Dec. 17, 1921. Serial No. 523,104. 7 Claims. (Cl. 304—2.)



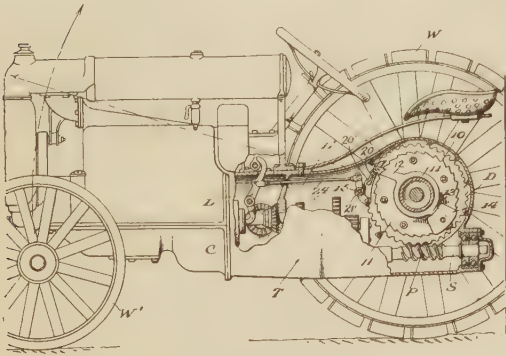
1. A table of the class described comprising a collapsible top having flexible elements and means for stretching the same, a metal cutting strip on one side of said table, and a removable sectional cutting strip on the other side of said table.

1,462,450. COOLING CONTAINER OR SO CALLED "DRY CONTAINER" FOR ICE CREAM AND SIMILAR PRODUCTS TO BE MAINTAINED COLD FOR MANY HOURS. JAMES E. GRAHAM, Newtonville, Mass., assignor to Glacifer Company, Boston, Mass. Filed Apr. 24, 1922. Serial No. 556,274. 8 Claims. (Cl. 217—7.)



1. In a dry container for the preservation of products to be maintained cold, such as ice cream and the like, the combination of an outer receptacle, a chamber within said receptacle for the reception of the product, suitable insulation between the outer receptacle and the product the said insulation being characterized by its relative non-conductivity for heat, a cover for the whole, a cooling drum containing a freezable solution for preserving the product in the container cold for a long period of hours, and means secured to the cover for the reception of the cooling device whereby the cover and said cooling drum may be removed as a single unit from and replaced on the dry container, thus eliminating the need for handling loose parts.

1,462,451. ATTACHMENT FOR TRACTORS. HARRY M. GREASLEY, Corry, Pa. Filed Dec. 21, 1921. Serial No. 523,962. 11 Claims. (Cl. 180—82.)

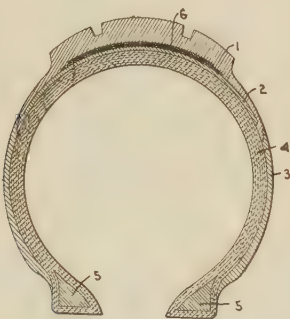


1. In a tractor of the character described, a ratchet gear carried by the rear axle structure of said tractor, a bell crank lever fulcrumed upon the frame of the tractor, a pawl connected to said bell crank lever and adapted to be brought to engage the ratchet wheel, means adapted to normally hold the pawl out of engagement with said ratchet gear, said means being also adapted to permit the pawl to engage the ratchet gear upon the tractor turning about the rear axle as a pivot, and means connected with the bell crank lever whereby when the same is actuated the driving power of said tractor will be rendered inoperative.

1,462,452. METHOD OF MANUFACTURING PNEUMATIC TIRES AND THE LIKE. KARL B. KILBORN and WILLIAM S. WOLFE, Akron, Ohio, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 4, 1919. Serial No. 328,573. 3 Claims. (Cl. 154—14.)

1. The method of manufacturing pneumatic tires, which consists in first assembling the carcass material upon a form, then partially vulcanizing the same in confining mold members under pressure, then applying the requisite tread portion to the carcass and finally vulcanizing the same in rigid mold members under compacting pressure.

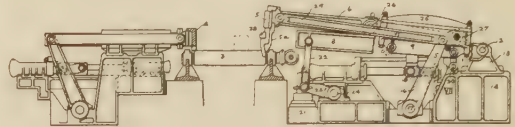
1,462,453. TIRE CONSTRUCTION. WILLIAM G. LERCH, Akron, Ohio, assignor to The India Tire & Rubber Company, Mogadore, Ohio, a Corporation of Ohio. Filed June 22, 1921. Serial No. 479,500. 2 Claims. (Cl. 152—13.)



2. A tire construction comprising, a carcass composed of a plurality of layers of rubberized fabric, a layer of rubber of a character to constitute a cushion over the carcass, a layer of tread rubber over the cushion, and two layers of parallel cords 7 and 8 interposed between the tread and the cushion, said cord layers being arranged as shown and described with the cords in op-

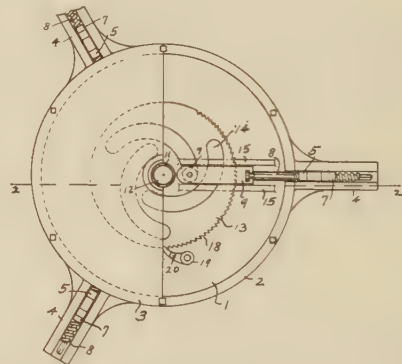
positely arranged diagonal positions with respect to the central plane of the tire, whereby the functions of a breaker strip are performed by the layers of cords without frictional engagement of the cords with one another, without loss of traction between the tread and the carcass, and without restriction of the circumferential contraction or expansion of the tire.

1,462,454. MANIPULATOR FOR ROLLING MILLS. DAVID F. NISBET, Crafton, Pa., assignor to Mackintosh-Hemphill Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 16, 1922. Serial No. 529,402. 3 Claims. (Cl. 80—48.)



3. A feed table for rolling mills in combination with pivotally mounted main rails arranged parallel with the rollers of the feed table pivotally mounted auxiliary rails having their axes eccentric to the pivotal axes of the main rails and having their free ends connected to the main rails at points intermediate the ends of the main rails, beams supported at points adjacent to their outer ends by the auxiliary rails, and at points intermediate their ends by the main rails, a manipulator head carried by the beams, means for raising and lowering the free ends of the rails and means for shifting the beams longitudinally of the rails.

1,462,455. TIRE-RIM RACK. CHRISTIAN H. LARSON, Guffey, Tex. Filed May 7, 1921. Serial No. 467,647. 2 Claims. (Cl. 157—1.)



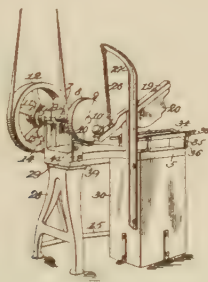
1. A tire rim rack including an enclosed casing formed of two plates, an overturned marginal flange carried by one of said plates and against which the other plate rests, radiating guides carried by one of said plates and spaced apart, a lug block slidable in each guide, an upstanding lug and a hook outside of said lug carried by each block, a rod threaded through each block, the upper end of each rod being formed to receive a wrench, radiating plungers within the casing, radiating guide ways in which said plungers move, the inner ends of said rods having swiveling connections with the corresponding plunger, a stand upon which said casing is mounted, a central bearing in the upper plate of the casing, a stub shaft rotatable in said bearing and whose upper end is formed to receive a wrench, a disc within the casing fixed to the lower end of said shaft, said disc being formed with cam shaped grooves, the inner ends of said plungers being bifurcated forming fingers which embrace said disc bearings mounted between said fingers and working in the corresponding grooves.

1,462,456. PARACHUTE PACK AND HARNESS, ETC.
 FLOYD SMITH, Dayton, Ohio, assignor to Floyd Smith Aerial Equipment Company, a Corporation of Illinois. Filed Apr. 28, 1919. Serial No. 293,047. 21 Claims. (Cl. 244—21.)



1. A parachute pack adapted to hold a folded parachute, embodying a sheet of flexible material with flaps adapted to be folded about the parachute, means for connecting said pack to the body of a rider, releasable means for holding the edges of the flaps together, and a pull cord extending from said releasable means to a point convenient to be operated by the rider.

1,462,457. METAL-BASKET-CORRUGATING MACHINE.
 FRANK T. WERNIMONT, Cedar Rapids, Iowa, assignor to The Hall Manufacturing Company, Cedar Rapids, Iowa. Filed Jan. 12, 1921. Serial No. 436,645. 5 Claims. (Cl. 153—75.)

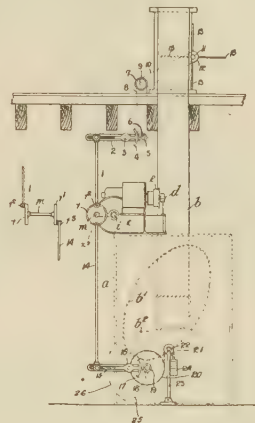


1. In a metal-basket corrugating machine, the combination of a fixed swage-block composed of a pair of cheek-plates and an interposed tongue pivotally attached at one end, and adjustable at the other end, an undergrooved swage in register therewith, a tilting bar to which the swage is attached, and a revolving crank-wheel adapted to lift said bar at each revolution.

1,462,458. MACHINE FOR OPENING AND CLEANING COTTON, WOOL, AND OTHER FIBERS. WILLIAM YOULTEN, Hove, England, assignor to Harry Seymour Foster, Westminster, England, and Louis Napoleon Schoenfeld, Hove, England. Filed Mar. 2, 1921. Serial No. 449,206. 2 Claims. (Cl. 19—67.)

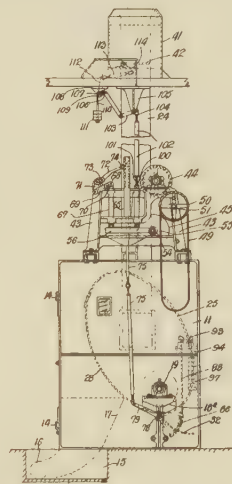
1. A machine for opening and cleaning cotton, wool and other fibers, comprising in combination, a treating chamber, a beater shaft rotatable in said chamber, a feed hopper through which the material is fed into said chamber, a discharge valve through which the treated product is delivered, a shaft carrying a worm and driven through variable transmission gearing from a source of power, a worm wheel in constant mesh with said worm, discs mounted adjustably on said worm wheel each having a segmental rack, a disc also having a segmental rack co-

operating with each of said first mentioned discs and adapted to be intermittently rotated thereby, and means



associated with said second mentioned discs connected by links and levers to each of said valves, substantially as described.

1,462,459. MACHINE FOR OPENING AND CLEANING FIBROUS MATERIAL. WILLIAM YOULTEN, Hove, England, assignor to Harry Seymour Foster, Westminster, England, and Louis Napoleon Schoenfeld, Hove, England. Filed Nov. 14, 1921. Serial No. 515,101. 5 Claims. (Cl. 19—92.)

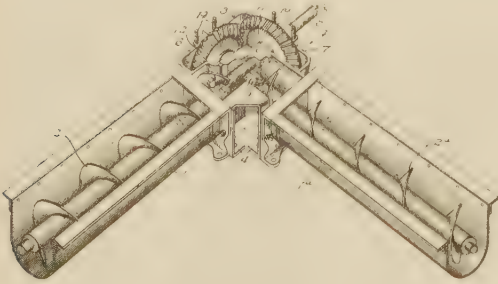


1. Apparatus for opening and cleaning fibrous material comprising a chamber into which the material is delivered, and a rotary beater in said chamber having blades arranged in rows and disposed in spiral formation, the spirals commencing at the ends of the beater and meeting towards the center.

1,462,460. HEAT TREATMENT OF LIGHT CASTINGS. STANLEY APGAR, High Bridge, N. J., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 5, 1922. Serial No. 566,160. 4 Claims. (Cl. 148—13.)

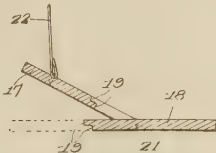
1. The herein described method of heat treating manganese steel chain and other light castings, which consists in heating them in an environment in which they are substantially protected from decarburization and oxidation, and then proceeding in the usual way.

1,462,461. CONVEYER-COUPLING MEANS. FRANK B. CALDWELL, Oak Park, Ill., assignor to H. W. Caldwell & Son Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 19, 1921. Serial No. 493,602. 8 Claims. (Cl. 198—213.)



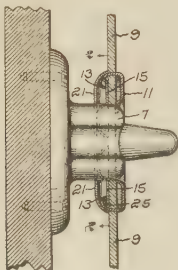
1. Means for connecting horizontal screw conveyers arranged at right angles and having overlapping shafts comprising a passageway traversed by said shafts and connecting the conveyor troughs, and gearing on the ends of said shafts outside said passageway.

1,462,462. MILK-BOTTLE CLOSURE. ASSAD M. BAROODY, Danville, Va. Filed Feb. 25, 1922. Serial No. 539,210. 3 Claims. (Cl. 215—51.)



2. A bottle closure comprising a disk having a relatively stationary portion and a relatively movable portion, the abutting edges of said portions being formed with ledges one of which is directed toward one face of the section and the other directed toward the other face of the other section said abutting edges being approximately L-shaped with corresponding portions in alignment and in parallel relation respectively, the disk being scored on one face at right angles to and between the outer ends of the parallel portions of the said cuts, the said ledges being so arranged that the material of the disk of the movable section will snap past the material of the other section when the said movable section is moved out of the plane of the other section.

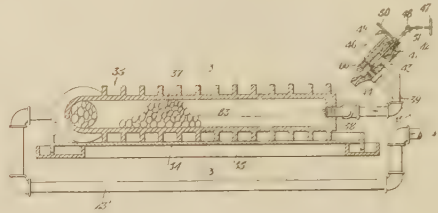
1,462,463. SECURING MEANS FOR FASTENER ELEMENTS. LAURENCE M. FOSS, Amesbury, Mass., assignor to G. W. J. Murphy Company, Amesbury, Mass., a Corporation of Massachusetts. Filed Nov. 19, 1921. Serial No. 516,456. 4 Claims. (Cl. 24—221.)



3. A securing means for cooperation with a fastener element which has a plurality of prongs to extend through

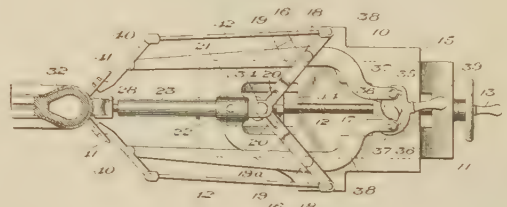
a supporting member comprising a washer, a cover plate closely fitting the margin of said washer but defining therewith a peripheral series of prong receiving openings, said plate presenting an upsetting surface to clench prongs projected through said openings over the washer.

1,462,464. PROCESS AND APPARATUS FOR MIXING AND BURNING OIL. ALBERT E. GRANT, New York, N. Y., assignor to Caloril Burner Corporation, a Corporation of Delaware. Filed May 14, 1920. Serial No. 381,294. 10 Claims. (Cl. 158—28.)



4. In an oil burner a combination with a source of water supply at variable pressure, of means for equalizing said pressure and supplying water at constant pressure, comprising a pressure controlled valve, a furnace, a steam generator in said furnace and receiving its water supply from said equalizing means, a flame forming means supplied with steam from said generator and an oil supply for said flame forming means, comprising a siphon for automatically drawing oil from a container when the level of the oil in said supply is lowered below a predetermined level.

1,462,465. TIRE MACHINE. ROLAND S. TROGNER, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 29, 1919. Serial No. 327,129. 23 Claims. (Cl. 154—10.)

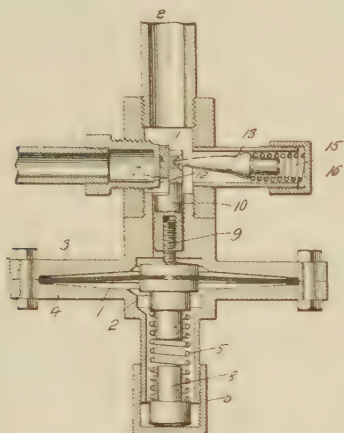


1. In an apparatus of the character described, the combination with a rotatable core, of a tread roll, and a stitcher adapted to traverse the side of the core, said stitcher being connected to the tread roll for simultaneous operation therewith.

1,462,466. EXPANSION VALVE. RICHARD WHITAKER, Bradley Beach, N. J., assignor, by mesne assignments, to Brunswick-Kroeschell Company, New Brunswick, N. J., a Corporation of New Jersey. Filed June 16, 1920. Serial No. 389,359. 5 Claims. (Cl. 50—23.)

1. A valve comprising a seat provided with a port, a slide movable to close and open the port, said slide having a depression in its upper surface, a spindle, one end of which is received in the depression, a spring for pressing the spindle against the slide to keep the

latter in operable contact with the seat, a diaphragm arranged to be moved by pressure thereagainst, and a



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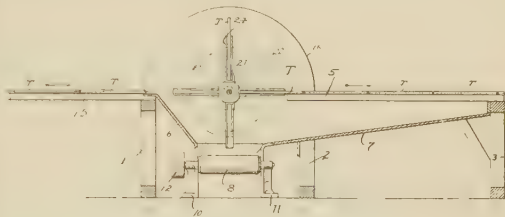
connection between the diaphragm and the slide, whereby the movement of the diaphragm is imparted to the slide to close and open the port.

1,462,467. DRAG LINK AND PROCESS OF MAKING SAME. JOHN W. WHITE, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 4, 1920. Serial No. 428,291. 10 Claims. (Cl. 113-116.)



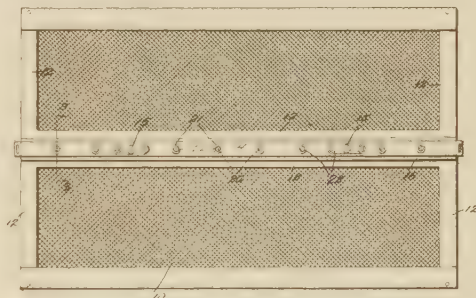
9. A link for use in motor vehicle steering gear, comprising a single piece stamping formed up to provide a rod portion having a closed but hollow section and an integral tubular head portion at the end and of larger diameter.

1,462,468. TRAY-TURNING MACHINE. WILLIAM F. SCHALLER, San Francisco, Calif., assignor of five-tenths to Elizabeth Schaller, three-tenths to Alice Eleanor Schaller, and two-tenths to Chas. A. Schoeneman, all of San Francisco, Calif. Filed Mar. 13, 1920. Serial No. 365,385. 2 Claims. (Cl. 198-211.)



1. A tray turning machine comprising the combination of a frame, a pair of supporting rails on said frame, a shaft revoluble in bearings on said frame, channeled spokes in pairs and facing each other on said shaft and a wheel for turning said shaft.

1,462,469. SCREENING DEVICE. BASIL B. CARLTON and CLEM J. BURKLEY, Akron, Ohio, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 1, 1918. Serial No. 260,739. 8 Claims. (Cl. 83-56.)



1. A device for separating finely divided material comprising a screen partially supported by and embedded in a flexible material.

THE OFFICIAL GAZETTE

OF THE

United States Patent Office.

Vol. 312—No. 4.

TUESDAY, JULY 24, 1923.

Price—\$5 per year.

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$5.00 per annum; single numbers, 10 cents each.

Printed copies of patents are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

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Patents.....	678—No.	1,462,470 to No.	1,463,147, inclusive.
Total.....	1084		

ADJUDICATED PATENTS.

(U. S. C. C. A. Mich.) Rodman patent, 949,446, for material for case-hardening steel, claims 1, 2, and 5 Held invalid for lack of invention. *Rodman Chemical Co. v. Steel Treating Equipment Co.*, 288 Fed. Rep., 471.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,310,093, J. H. Richards, Engine-starting device, decided Mar. 14, 1923, claims 3, 4, and 10.

Pat. 1,338,328, A. F. Poole, Clock system, decided June 16, 1923, claims 1, 3, 5, 6, and 7.

Pat. 1,393,994, S. I. Fekete, Stove for intake manifolds of internal-combustion engines, decided June 12, 1923, claim 14.

Pat. 1,399,100, A. L. Bower, Automatic train-controlling device for preventing collisions, decided June 16, 1923, claims 11, 12, and 13.

Pat. 1,432,314, G. Wood, Box-strapping tool, decided June 1, 1923, claim 1.

Changes in Classification.

(ORDER No. 2,829.)

U. S. PATENT OFFICE, Washington, July 5, 1923.

The transfer of class 51, Abrading, from Division XXVII to Division XXIX is hereby directed, to take effect on July 5, 1923.

THOMAS E. ROBERTSON,
Commissioner.

Interference Notices.

U. S. PATENT OFFICE, Washington, July 12, 1923.

Jesse Minor, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the New England Confectionery Company, 253 Summer Street, Boston, Mass., for registration of a trade-mark and trade-mark registered June 2, 1903, No. 40,490, to Jesse Minor, 3822 Pier Street, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Jesse Minor at the said address having been returned by the post office undelivered, notice is hereby given that unless said Jesse Minor, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

U. S. PATENT OFFICE, Washington, July 12, 1923.

Bucknam & Vanderpoel, their assigns or legal representatives, take notice:

An interference having been declared by this Office between D. B. Scully Syrup Company, 321 East Illinois Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 29, 1906, No. 53,164, to Bucknam & Vanderpoel, 198 West Broadway, New York, N. Y., and a notice of such declaration sent by registered mail to said Bucknam & Vanderpoel at the said address having been returned by the post office undelivered, notice is hereby given that unless said Bucknam & Vanderpoel, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

Condition of Applications Under Examination at Close of Business July 13, 1923.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 75,318: Trade-Mark Division, 3,597. Oldest new case, Sept. 1, 1922; oldest amended, Sept. 2, 1922. The dates given are 1922 except where * indicates 1923.)	Divisions, Examiners, and subjects of inventions.		Oldest new application by applicant awaiting office action.		No. of applications awaiting action.
				New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Oct. 7	Sept. 23	1,272		
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Sept. 20	Oct. 9	1,526		
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 1	Nov. 29	1,696		
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Oct. 3	*Feb. 14	1,514		
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 14	Oct. 6	1,454		
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 20	*Mar. 1	1,893		
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	Sept. 15	Dec. 6	2,770		
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 12	*Mar. 29	1,584		
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 19	*June 9	885		
235	10. ZUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Sept. 26	Oct. 23	1,512		
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Jan. 15	Nov. 7	1,021		
322	12. PIERCE, P. P., Machine Elements.	Nov. 20	*Jan. 2	1,431		
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Oct. 4	*Mar. 22	1,233		
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Sept. 13	*May 2	1,209		
305	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Sept. 19	Nov. 14	2,099		
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony.	Sept. 22	Sept. 25	2,513		
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Sept. 21	Jan. 2	1,533		
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Sept. 16	Sept. 18	2,076		
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Jan. 3	*Mar. 27	756		
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Dec. 8	Dec. 2	2,096		
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Sept. 19	*Mar. 1	1,030		
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 21	*Jan. 11	596		
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers Sound Recording and Reproducing.	Sept. 7	Sept. 20	892		
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Sept. 15	Nov. 29	1,429		
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Jan. 26	*Feb. 9	532		
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Sept. 16	Oct. 12	953		
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Sept. 1	Sept. 2	1,596		
225	28. BENSON, A. R., Internal-Combustion Engines.	Oct. 25	Nov. 10	1,492		
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Sept. 9	Oct. 24	1,291		
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Type-writing Machines.	Oct. 9	*Mar. 10	1,945		
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Sept. 16	Oct. 6	1,706		
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Oct. 2	Oct. 11	1,374		
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Sept. 27	Oct. 21	1,709		
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 11	*Jan. 20	801		
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 6	*Mar. 17	1,164		
204	36. MORTON, G. L., Automatic Welghers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Dec. 27	Dec. 1	2,033		
167	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Sept. 20	Sept. 27	1,987		
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Sept. 16	Sept. 15	1,933		
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Sept. 19	Sept. 21	1,424		
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Woolen Receptacles.	Sept. 20	*Mar. 13	2,232		
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels.	Dec. 12	Dec. 4	928		
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps.	Oct. 19	Nov. 18	1,672		
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Oct. 23	Oct. 23	1,355		
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Sept. 27	*Feb. 16	1,229		
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices.	Oct. 28	Oct. 11	1,526		
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Nov. 11	Dec. 11	1,445		
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Oct. 30	*Jan. 8	1,191		
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications.	Sept. 13	Sept. 27	2,379		
353	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 16	Oct. 11	658		
102	DESIGNS: C. O. MARKHAM (Acting).	Oct. 28	*Feb. 1	2,743		
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks.)	*Feb. 23	*May 5	3,567		
	Labels and Prints.	*July 7	*July 7	30		

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

ROBERTSON, COMMISSIONER OF PATENTS, AND FALL, SECRETARY OF THE INTERIOR, v. THE UNITED STATES OF AMERICA, EX REL. BAFF.

Decided December 4, 1922.

1. ATTORNEYS—DISBARMENT—PREMATURE PETITION FOR MANDAMUS.

The filing of a petition for mandamus praying for a writ directing the Commissioner of Patents to vacate an order of disbarment and to reinstate the petitioner as a registered attorney of the Patent Office is premature if made after the attorney has applied for reinstatement on the ground of irregularities in the proceedings against him and before his application has been denied and the order of disbarment has become final.

2. DUTIES WHICH AMOUNT TO A JUDICIAL FUNCTION.

The authority to hear and determine a mixed question of law and fact upon evidence, written or oral, coupled with a power after such hearing to render a decision affecting the material rights and interests of anyone is a judicial function, and such hearing, determination, and decision are characteristic of judicial proceedings.

3. SAME—DISBARMENT PROCEEDINGS BY COMMISSIONER OF PATENTS UNDER SECTION 487, REVISED STATUTES, ARE JUDICIAL IN CHARACTER.

The Commissioner of Patents was authorized by section 487, Revised Statutes, to hear and determine the charges against Baff and upon the evidence submitted to him to render a decision affecting the material rights and interests of the accused. *Held*, therefore, that the proceedings before and by the Commissioner were judicial in character.

4. SAME—REVIEW AND APPROVAL BY THE SECRETARY OF THE INTERIOR ARE JUDICIAL ACTS.

The review and approval by the Secretary of the Interior, designed, as they were, to correct errors or mistakes affecting the rights of patent attorneys, took the place of the usual judicial safeguards provided for established courts, and completing, as they did, the whole proceedings must be regarded as judicial acts.

5. SAME—JUDICIAL AUTHORITY CAN NOT ORDINARILY BE DELEGATED, BUT CONGRESS HAS POWER TO AUTHORIZE DELEGATION.

As an abstract proposition it is true that judicial authority can not be delegated, but Congress, having the power to clothe an executive or administrative officer with judicial functions, has power to authorize their delegation.

6. SAME—CONGRESS CAN AUTHORIZE THE SECRETARY OF THE INTERIOR AND COMMISSIONER OF PATENTS TO DELEGATE DISBARMENT CASES TO SUBORDINATES.

If Congress could by statute legally authorize the Secretary of the Interior and the Commissioner of Patents to hear, determine, and finally decide disbarment cases, it could by statute legally empower those officials to delegate the performance of such duties to a designated subordinate.

7. SAME—UNDER THE PROVISIONS OF SECTION 439, REVISED STATUTES, THE SECRETARY OF THE INTERIOR MAY ASSIGN JUDICIAL DUTIES, INCLUDING THE APPROVAL OF DISBARMENT PROCEEDINGS, TO THE ASSISTANT SECRETARY.

Section 439, Revised Statutes, provides that the Assistant Secretary of the Interior shall perform such duties in the Department of the Interior as should be

prescribed by the Secretary or may be required by law. Baff insisted that the duties which may be assigned to the Assistant Secretary under that provision are administrative, not judicial, duties, and that consequently his approval of the disbarment proceedings was extra-official and void. *Held* that this construction is erroneous, inasmuch as it reads into the statute language which Congress did not use to make manifest its legislative intention.

8. CONSTRUCTION OF STATUTE—NOT WARRANTED IF ITS MEANING IS CLEAR.

Unless the language of a statute is vague, dubious, uncertain, indefinite, or ambiguous, or conveys a meaning that is absurd or in contradiction of other parts of the legislative purpose made evident by the enactment itself, there is no room for construction, and the meaning of the terms actually employed in drafting a law must be accepted as manifesting the legislative intent.

9. ORDER AND JUDGMENT GRANTING WRIT DIRECTING SECRETARY AND COMMISSIONER TO VACATE ORDER OF DISBARMENT REVERSED.

The order and judgment granting the writ as prayed for *Reversed* with costs and the case remanded for further proceedings.

Mr. C. E. Wright and *Mr. E. S. Booth* for appellants.

Mr. A. L. Newmyer and *Mr. Max Rhoads* for appellee.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and SMITH, Judge of the U. S. Court of Customs Appeals.

SMITH, J.:

William E. Baff, enrolled as an attorney entitled to practice in the Office of the Commissioner of Patents, was charged with gross misconduct in his capacity as such attorney, and the Commissioner in an order setting out the charges cited Baff to show cause why he should not be disbarred from practice in the United States Patent Office.

Baff appeared on the hearing of the order to show cause and objected to the jurisdiction of the Commissioner on the ground that the remedy against him by those aggrieved was a civil suit rather than disbarment. He also claims that he made other objections to the hearing of the charges before the Commissioner, but it affirmatively appears that his objections, whatever they may have been, were overruled and that a hearing of the charges was had. That hearing resulted in an order of disbarment which was approved on the 18th of March, 1921, by the Assistant Secretary of the Interior.

The attorney then applied in writing to the Commissioner of Patents for reinstatement with all the rights and privileges enjoyed by him prior to the order of disbarment on the ground, first, that he had not been permitted to confront or cross-examine the witnesses against him; second, that the order of disbarment had been approved by the Assistant Secretary and not by the Secretary of the Interior as required by the provisions of section 487 of the

Revised Statutes; third, that Commissioner of Patents Coulston, who presided at the hearing to show cause, was prejudiced against him and therefore disqualified from passing on the charges.

Thomas E. Robertson, the successor of Coulston as Commissioner, held that the application for reinstatement should have been addressed to the Secretary of the Interior and he therefore refused to reinstate the applicant for want of jurisdiction, but was careful to state that if the matter was referred to him by the Secretary, a recommendation as to the application would be made. Whereupon Baff on the 10th of June, 1921, applied to the Secretary of the Interior for reinstatement, with the result that the case was on the 18th of August, 1921, remanded by the Assistant Secretary of the Interior to the Commissioner of Patents. The remand ordered that a hearing be granted to the relator for the purpose of enabling him to establish his claim that at the trial of the charges he had objected to the introduction of affidavits and had demanded the right to cross-examine the witnesses against him. A copy of the remand was served on the attorneys for the relator and a hearing in conformity therewith was tendered on the 29th of August, 1921.

Notwithstanding that tender, however, the relator elected not to avail himself of the opportunity to be heard and on the 29th of August, 1921, he filed a petition for mandamus praying for a writ directing the respondents to vacate the order of disbarment and to reinstate him as a registered attorney of the Patent Office. The respondents by their amended answer pleaded in defense the facts above recited to which the relator demurred. The demurrer was sustained and the respondents having declined to make any further amendment, judgment was entered directing the writ to issue as prayed for.

From that judgment this appeal was taken and a reversal is asked for on the ground that the court below erred, first, in issuing the writ before disbarment of the relator was finally ordered by the respondents and while the proceeding for disbarment was still pending before the Commissioner; second, in ruling that the Assistant Secretary had no power to approve the order of disbarment.

[1] The admitted allegations of the petition for mandamus and the averments of the answer, which on demurrer must be accepted as true, establish in our opinion that no final conclusion was reached by the respondents as to the disbarment of the relator and that the proceedings for that purpose were still pending before the Commissioner of Patents. It is true that an order for disbarment was actually made by Commissioner Coulston and that order was approved by Assistant Secretary Hopkins. It is also true, however, that after that order was made, the relator applied to the Secretary of the Interior for reinstatement on the ground that his disbarment was unlawful for the reasons stated in his application. That application was a direct attack on the decision of the Commissioner and the

approval of the Secretary. It had for its purpose the vacation of the order of disbarment and had the attorney taken advantage of the order remanding the case to the Commissioner and of the tender formally made to him by the latter, the hearing ordered by the remand might well have resulted in a retrial of the whole matter. The attorney having applied to the Secretary for reinstatement on the ground of irregularities in the proceedings against him, the order of the Commissioner stood suspended while the application or motion to vacate, modify or correct it was pending and the relator had no ground for complaint until his application had been denied and the order of disbarment had become final. The filing of the petition for mandamus was therefore premature and on that ground alone the judgment appealed from should be reversed.

However, to avoid delay and expense as well as the encumbering of calendars with further litigation as to the vital question raised by the appeal, we think it proper to determine whether the Assistant Secretary of the Interior has the power to approve an order of disbarment.

The proceedings against Baff were had under section 487 of the Revised Statutes which section reads as follows:

Sec. 487. For gross misconduct the Commissioner of Patents may refuse to recognize any person as a patent-agent, either generally or in any particular case; but the reasons for such refusal shall be duly recorded, and be subject to the approval of the Secretary of the Interior.

The appellee contends that the official action contemplated by that section is judicial in nature and that the Secretary's approval of an order of the Commissioner disbarring an attorney from practice is a judicial attribution. It is further argued that a judicial function can not be delegated and that therefore even if authorized by the Secretary of the Department, the Assistant Secretary of the Interior had no right whatever to approve an order of disbarment.

[2] The authority to hear and determine an issue of fact or a mixed question of law and fact upon evidence, written or oral, coupled with a power after such hearing and determination to render a decision affecting the material rights and interests of anyone is a judicial function and such hearing, determination and decision are characteristic of judicial proceedings. (*Marine, Collector, v. Lyon et al.*, 65 Fed., 992, 994; *Stone, Collector, v. Whitridge White & Co.*, 129 Fed., 33, 36; *Sinking Fund Cases*, 99 U. S., 700, 761; *Runkle v. United States*, 122 U. S., 503, 555.)

[3] The Commissioner of Patents was authorized by section 487 to hear and determine the issues of fact raised by the charges against Baff and upon the evidence submitted to him to render a decision affecting the material rights and interests of the accused. We must therefore hold that, in hearing the charges, determining the facts, deciding the case, the Commissioner was performing a judicial duty and that the proceedings before and by him were judicial in character.

[4] The review and approval of the Secretary of the Interior, designed as they are to correct errors or mistakes affecting the rights of patent attorneys, take the place of the usual judicial safeguards provided for established courts and completing as they do the whole proceeding, must be regarded as judicial acts.

That Congress had the right to vest the Commissioner and the Secretary of the Interior with the powers specified in section 487 is not questioned but it is strenuously contended that as such powers were judicial they could not be delegated.

[5] As an abstract proposition it is true that judicial authority can not be delegated, but can it be said, no constitutional inhibition intervening, that Congress, having the power to clothe an executive or administrative officer with judicial functions, has no power to authorize their delegation. The organic law of the land might have limited the exercise of judicial faculties to judges learned in the law, or it might have prohibited the delegation of such faculties once vested, but if it imposed no such limitation or prohibition, and it is not claimed that it did, can the judicial department of the Government restrict the legislative will to bounds not constitutionally defined? We think not.

[6] If Congress could by statute legally authorize the Commissioner of Patents and the Secretary of the Interior to hear, determine and finally decide disbarment cases, it could, by statute, legally empower those officials to delegate the performance of such duties to a designated subordinate.

[7, 8] Section 439 provides that the Assistant Secretary of the Interior shall perform such duties in the Department of the Interior as should be prescribed by the Secretary or may be required by law. The relator insists that the duties which may be assigned to the Assistant Secretary under that provision are administrative, not judicial duties, and that consequently his approval of the disbarment order was extra-official and void. We can not agree with that construction inasmuch as it reads into the statute language which Congress did not use to make manifest its legislative intention. The section says that the Assistant Secretary shall perform such duties, not such administrative duties, as the Secretary shall prescribe, and having said that, it does not lie with the courts to legislate into the law a word which Congress carefully omitted. The clear intention of the section was to permit the Secretary to relieve himself of those duties to which in his judgment he could not give proper attention and that purpose might well be defeated in part at least by the introduction of what would be nothing less than a judicial, if not injudicious, amendment. Such legislation is in the interest of governmental efficiency and its value should not be lightly impaired or its scope narrowed because of a mere conjecture that the law maker *might* not have meant what he said. Unless the language of a statute is vague, dubious, uncertain, indefinite, or ambiguous, or conveys a meaning that is absurd or in contradiction of other parts of the enactment or

in contravention of the legislative purpose made evident by the enactment itself, there is no room for construction and the meaning of the terms actually employed in drafting a law must be accepted as manifesting the legislative intent. (*Lake County v. Rollins*, 130 U. S., 662, 670-671; *United States v. Goldenberg*, 168 U. S., 95, 102, 103; *The Paulina's Cargo v. United States*, 7 Cranch, 52, at p. 60; *Lewis v. United States*, 92 U. S., 618, 621; *Thornley v. United States*, 113 U. S., 310; *William A. Gardner v. John C. Collins*, 2 Pet., 58, 92; *Maxwell et al. v. Moore*, 22 How., 185, 191.)

In support of the proposition that the Secretary of the Interior can not delegate his authority to approve a decision of the Commissioner, the appellee cites the case of *Wedderburn v. Bliss* (12 App. D. C., 485; 83 O. G., 296) and *Runkle v. United States* (122 U. S., 543). We are of the opinion that neither case is decisive of the point under discussion.

In *Wedderburn v. Bliss*, the disbarment of the attorney was approved by the Secretary himself. That approval was attacked on the sole ground that it was made without notice to the attorney and without giving him an opportunity to submit by argument or brief his objections to the finding of the Commissioner and to the approval thereof by the Secretary.

Whether the attorney was entitled to be heard by the Secretary of the Interior before approving the charges was therefore the only issue raised and the right of the Secretary to delegate his power of approval was not involved in this case.

Commenting upon the act of 1884, Mr. Justice Morris said that that act left it undetermined how and before whom a hearing was to be had and that there was great plausibility in the theory that the hearing therein provided for should be had by the person who was authorized to take final action. The learned justice then stated that if he were dealing with the action of judicial tribunals he would have no hesitation whatever in so holding and made use of the following language on which the appellee relies:

A court authorized to decide necessarily is the court authorized to hear, and it may not delegate to anyone its duty to hear any more than it can delegate its function to decide.

It is well settled law and a fundamental rule of our governmental system that purely judicial functions can not be conferred upon an executive officer. But of necessity executive officers are frequently vested with discretionary functions of a quasi-judicial character and these can no more be delegated than can strictly judicial authority.

Neither statement can well be regarded as authoritative here for the reason that delegation of authority was not an issue in the case and for the further reason that neither declaration fairly construed denies to Congress the right to authorize a delegation of judicial functions which it had the power to vest in executive or administrative officers. In our opinion Mr. Justice Morris sought to do and did nothing more than to announce the well-known doctrine that courts and judicial functionaries can not on their own initiative delegate the performance of their duties to someone else.

In *Runkle v. United States*, an officer of the Army charged with violating an act of Congress and with conduct unbecoming an officer and gentleman was found guilty by court-martial and was sentenced to be cashiered. That sentence, under the provisions of the then 65th Article of War could not become effective until approved by the President of the United States. (2 Stat., 367, ch. 29, art. 106, sec. 1342, R. S.)

The cashiering of the officer was approved by the Secretary of War but not by the President. The Supreme Court of the United States held that the sentence of dismissal could not become effective until approved by the President in person and that as that approval was not administrative but judicial in character it could not be delegated to the Secretary of War. *It was not decided, however, that Congress had no power to authorize the President to delegate to the Secretary of War the performance of that duty.*

Inasmuch as section 216 of the Revised Statutes provides, however, that—

the Secretary of War shall perform such duties as shall from time to time be enjoined on or intrusted to him by the President relative to military commissions, the military forces * * * or to other matters respecting military affairs,

the appellee argued that the Supreme Court decided *in effect* that presidential approval of a sentence cashiering an Army officer could not be delegated to the Secretary of War notwithstanding a legislative enactment permitting such delegation.

We can not agree that section 216 authorized a delegation of the authority vested in the President by the 65th Article of War and much less that the Supreme Court so decided. That section was not cited in the briefs of counsel in the *Runkle* case as authorizing a delegation of the judicial functions of the President and it is nowhere referred to or commented upon by the Supreme Court in its opinion, from which it may be fairly presumed that it was not regarded as delegating or attempting to delegate the judicial duties of the President. The duties which may be performed for the President by the Secretary of War under section 216 are such as relate to military commissions, to military forces, to warlike stores of the United States and other matters respecting military affairs. As trial by court-martial is a judicial, not a military proceeding, it is evident that approval of court-martial sentences is a judicial not a military act and is consequently not within the scope of section 216. True enough courts-martial are made up of military officers and the President is Commander-in-Chief of the Army; therefore at least, such officers when they hear, determine and decide charges in court-martial cases and the President, when he approves the sentences imposed, acts not as military but as judicial functionaries.

We are not prepared to say, therefore, that the Supreme Court either expressly or impliedly held that Congress could not legally empower the President to delegate to the Secretary of War the review and approval of court-martial proceedings. The *Runkle* case is consequently not in point.

[9] The order and judgment granting the writ as prayed for is reversed with costs and the cause remanded for further proceedings not inconsistent with this opinion.

Mr. Justice ROBB concurs upon the first ground.

Supreme Court of the United States.

OLGA GATHMANN FOLEY, ADMINISTRATRIX OF ESTATE OF LOUIS GATHMANN, DECEASED, v. UNITED STATES.

Decided January 29, 1923.

1. CONTRACT—BY GOVERNMENT FOR USE OF PATENT—WHEN EFFECTED.

No contract is effected by a proposal of an inventor to give the Government the option of using his method for certain compensation, which is accepted by the statement that the apparatus will be tested, and, if it works satisfactorily, the agreed compensation will be made, where, after test, the Government informs him that the apparatus has failed, and that other methods will be used in the Government work.

2. SAME—RESCISSION—ACQUIESCENCE—EFFECT.

One who has offered the Government an option to use his apparatus in its work, for certain compensation, will be held to have acquiesced in the decision of the Government not to use it after test, where for years he makes no response to the letter of rejection.

3. PATENTS—INEVITABLE RESULT—VALIDITY.

If the addition of moisture to heated air sent by a drying apparatus into contact with green smokeless powder, for the purpose of drying it, when the contact is effected, is inevitable, the use of moistened air for drying purposes is not the subject of patent.

APPEAL by claimant from a judgment of the Court of Claims rejecting a claim for alleged use by the Government of a patent of claimant's intestate. **Affirmed.**

See same case below (56 Ct. Cl., 303).

The facts are stated in the opinion.

Mr. Charles J. Pence, Mr. L. T. Michener, and Mr. P. G. Michener for the appellant.

Mr. Melville D. Church, Solicitor General Beck, and Assistant Attorney General Lovett for the appellee.

Mr. Justice McKENNA delivered the opinion of the Court.

Appeal from judgment of the Court of Claims, dismissing petition of appellant, in which she prayed judgment against the United States for the sum of \$236,750.

A summary of the allegations of the petition is as follows: The Government was engaged in the manufacture of smokeless powder at its station at Indian Head, Maryland.

Gathmann had under consideration, with a view to the application for patents, methods of drying the materials of the powder, and, in consequence of conversations with the Chief of the Bureau of Ordnance of the Navy Department, he made to the Bureau the following proposition:

1839 VERNON AVE., N. W.,
Washington, D. C., March 24, 1903.

SIR:—The undersigned has made an invention, "Method of drying materials," for which patent has been filed February 9, 1903, Series No. 142,653.

Now, in consideration of the Navy Department building an apparatus for testing this method, without expense to me, I hereby give the Navy Department the

option of using my method of drying materials, if they find it to their advantage, by paying to me, my heirs, or my legal representatives, \$0.01 (one cent) for each pound of material dried by my method.

Very respectfully,

LOUIS GATHMANN.

Admiral O'NEIL,

Chief of Bureau of Ordnance.

He delivered with the proposition a plan or drawing for an experimental apparatus.

To the proposition the Chief of the Bureau of Ordnance replied as follows:

3 Address Bureau of Ordnance, Navy Department, and refer to No. 3585.

WASHINGTON, D. C., March 26, 1903.

SIR:—Referring to your communication of March 24th, 1903, offering the Navy Department the option of using your method of drying materials, on payment of 1 cent per pound on materials so dried:

The Bureau has to inform you that it accepts your proposition, and has ordered one experimental apparatus for drying smokeless powder, constructed in accordance with plan submitted by you. This apparatus will be tested without expense to you, and, if it works satisfactorily to the Bureau, the Bureau agrees to pay you, your heirs or legal representatives, 1 cent for each pound of smokeless powder dried by the method covered by your application or applications filed or to be filed with the U. S. Patent Office, provided a patent or patents is or are issued to you therefor.

Respectfully,

CHAS. O'NEIL,

Chief of Bureau of Ordnance.

Mr. LOUIS GATHMANN,

1839 Vernon Avenue, Washington, D. C.

At the time of the conversation of Gathmann with the Chief of Ordnance, and his proposition and the reply to it, he, Gathmann, contemplated applying for patents for his methods, and on February 9, 1903, and subsequent dates, made applications for patents, and patents were issued to him for his methods, and at various times from April, 1909, to April, 1915, the Government made use of the processes and methods covered by the patents in the manufacture of smokeless powder to the amount of 23,675,061 pounds thereof, and became indebted to the estate of Gathmann in the sum of the petition, to wit, \$236,750.

A general traverse was filed to the claim. Upon the issues thus formed, and upon considering the evidence taken, the Court of Claims made findings of fact, and from them deduced, as conclusion of law, that appellant was not entitled to recovery, and dismissed her petition.

The court decided that the proposition made by Gathmann's communication and the reply thereto presented an option only, and not a contract, and that it was terminated by the bureau by a letter addressed to Gathmann, October 14, 1904, which was as follows:

Referring to your apparatus for drying powder, installed at the naval proving ground for trial: The bureau forwards herewith a copy of the report made by the inspector of ordnance in charge of that station for your information. After carefully considering this report the bureau is of opinion that this apparatus has failed to demonstrate anything that would warrant further experiment with it, and the bureau has instructed the inspector of ordnance in charge of the naval proving ground that, when the drier can hold no more samples, the whole amount be put in the dry house until dried to the proper volatiles.

The court decided, besides, that the Government had not used Gathmann's methods. Appellant attacks both rulings, but concentrates her attention upon the first. The existence of the second, she assumes, is demonstrated by the physical laws of nature, of which the court will take judicial notice.

The specifications of error against the first ruling are as follows:

(1) The letters made an express contract of license for the full term of the patents; (2) the license could not be renounced or ended in any manner except by mutual consent or the fault of Mr. Gathmann; (3) he had the right, after the receipt of the letter of October 14, 1904, to regard the license still in force and to sue for the unpaid royalties, the Government having used the inventions thereafter; (4) what was said prior to the letters of March 26th and 28th, 1903, should not be considered; (5) the Court of Claims should not have considered the development and state of the art prior to the issuance of the patents; (6) the licensee is estopped from denying the validity of the patents.

To estimate these contentions, the findings of the court must be considered. A summary of them, stated narratively, is as follows:

The material of smokeless powder in its first stages is in a plastic condition, containing about 40 per cent of moisture, due to the presence of ether and alcohol, called the "solvent." To make the powder ready for use, the solvent must be reduced to between 4 per cent and 7 per cent, according to caliber. The process requires several months' time. The elements of the solvent were expensive, and it became an object to the Government and its manufacture of the powder to save them for reuse.

As early as 1900 the Government had used, along with other methods of drying, what was known as the closed-circuit method of drying and solvent recovery. In this method there is, generally speaking, a heating chamber, a powder chamber, and a condensing chamber, with the necessary connecting pipes or conduits, and means for effecting circulation of the air in the circuit, as by fan or by gravity. In operation, the warm air from the heating chamber passes on to the powder chamber, where it absorbs solvent from the "green" powder, then passes on to the condensing chamber, where the solvent carried by it is condensed to liquid form, the air then passing on to the heating chamber again for reheating and repetition of the cycle.

When the powder is newly made, or "green," the solvent is given off rapidly; but as the percentage of the solvent in the mass is reduced, it volatilizes less rapidly and comes off less freely. When the solvent is reduced to about 10 per cent, this closed-circuit process is discontinued, and the drying of the powder is completed in the ordinary drying houses.

The plans of the apparatus used by the Government in 1900 were secured from the California Powder Works, of California, by whom the apparatus was understood to have originated. It illustrates "the closed-circuit method."

Louis Gathmann was an inventor, and was interested in improving the method of expediting the manufacture of smokeless powder, and had discussed the question with Admiral O'Neil. The Government at times had two systems; one, for merely drying by hot air, and the other, for both drying and recovery of the solvent. Gathmann claimed a method that would do both in a very much shorter time, and proposed that a test be made. The letters we have quoted grew out of the conferences between Gathmann and Admiral O'Neil, and Gathmann's

representation furnished the chief inducement to the Admiral to enter into the agreement shown by the letters.

Pursuant to the agreement or option shown by the letters, the United States, under the direction and supervision of Gathmann, at its own expense, constructed and exhaustively tested at its Indian Head (Maryland) powder plant the experimental apparatus and method so proposed by Gathmann. The apparatus and method were substantially the same as those shown and described in Gathmann's Letters Patent.

The tests began in October, 1903, and continued until October, 1904, during which time reports of the results obtained by the tests, comparative and otherwise, were periodically made by the officer making the tests, comparison being made with results obtained from concurrent operations under the regular Government method. In making the tests, the instructions and wishes of Gathmann were complied with except that he desired a continuous and unbroken operation, though he had acceded at first to the closing down of the operation of the Government plant on Sundays. His desire was not acceded to.

In the tests the time required for drying the powder was not reduced, nor did it appear that the former methods used and results obtained by the Government in drying and solvent recovery were otherwise improved upon, nor did Gathmann's apparatus work satisfactorily to the Bureau of Ordnance, and, at the close of the tests, Gathmann was so notified by a letter from the Acting Chief of Ordnance.

No change was made in the Government's solvent recovery and drying processes as a result of the test of Gathmann's method.

On June 28, 1904, a patent, No. 763,387, in pursuance to his application of February 9, 1903, was issued to Gathmann. On the same day there was granted to Gathmann and his assignees of a fourth interest therein, United States Patent No. 763,388. These patents and the applications upon which they were granted were the applications and patents in contemplation by Gathmann and Admiral O'Neil in their respective letters of March 24th and 26th, 1903.

Beginning in 1907, the Navy Department, at various times in the manufacture of smokeless powder, used drying and solvent-recovery apparatuses and methods.

They are illustrated by figures attached to the findings. From August 1, 1910, to 1916, an apparatus known as the box-type method was used, in which—

the circulation is gravity circulation, induced wholly by the heating and the cooling of the air in the different parts of the circuit.

It is not necessary to reproduce the illustrations, and the processes need but little explanation. They are all of the closed-circuit method of drying and solvent recovery. All have a heating chamber, a powder chamber, and a condensing chamber, with connecting pipes or conduits and means of

effecting circulation of air in the circuit, as by fan or by gravity. It is not necessary to compare their mechanisms. We think that the apparatus received by the bureau from the California Powder Works did not differ in essential structure from them, and, of course, it differed from that of Gathmann's apparatus. And differed from them necessarily, otherwise Gathmann would have had no purpose in submitting a proposition to the bureau. The difference was in the method—amount of vapor, means "provided," to quote the patent, "to produce a vapor-laden atmosphere in the drying chamber," and "so as to maintain," and to quote the patent further, "a substantially vapor-saturated atmosphere in the drying chamber nearly to the end of the operation of drying * * *." In other words, the vapor from the moisture of the materials was added to "by admitting vapor as steam."

Considering the methods, their illustrations, and the letters exchanged by Gathmann and the Bureau of Ordnance, the conclusion of the Court of Claims was that a contract was not created.

At most, [the conclusion was,] a mere option was granted by Gathmann to the Government to use his method if found suitable after making a test of certain apparatus furnished by him, which he continued to improve or change.

And again,

There was never any agreement between the parties to use Gathmann's method, and all we have is, as has been stated, an option granted, declined, and terminated.

[1] This conclusion appellant resists, and insists here, as she insisted in the Court of Claims, that a contract was created, with its comprehensive and determining effect, it having continued, is the contention, after the date of the letters. That a contract existed or continued we cannot concede to appellant. But whether option or contract, we think it was terminated. There was an election given to the Government, to be exercised by it according to the judgment of its officers, of a test of the "experimental apparatus" submitted by Gathmann. The test was made, judgment was exercised, and its effect notified to Gathmann in the letter of October 14, 1904. Gathmann's letter gave "the option of using" his "method of drying materials, if they [Navy Department] find it to their advantage, by paying to" him, his heirs or legal representatives, "\$0.01 (one cent) for each pound of material dried by" his "method."

Clearly, therefore, there was a conditional proposal and an acceptance upon the condition that the apparatus, after test, should work "satisfactorily to the bureau." It did not so work, and the bureau so declared to Gathmann.

[2] It is true that there was no response by Gathmann to the letter of the bureau. His silence, however, was tantamount to acquiescence. It does not appear when that silence was broken. The original petition was filed in this case April 17, 1915; that is, more than ten years after the bureau's action in declining the proposal. We think that he could not keep the Government in obligation, uncertainty, and restraint all that time, or even until April, 1909, the first date alleged of the use by the Government of his apparatus. He therefore must be

considered as having accepted the decision of the bureau, and the termination of the relation created by the letters, whether it was obligation or option, "right" or "privilege." Responding, therefore, to the contention of appellant that a contract (license, to use appellant's word) can "not be renounced or ended in any manner except by mutual consent or the fault of Gathmann," we think there was such consent,—that which must be considered as tantamount to consent.

We do not think it is necessary to review the claims of the patents, and wherein either of them is an advance upon the uses and knowledge of the world, and, necessarily, including the methods of the Government. The Court of Claims has done this, and, we think, so satisfactorily, that we content ourselves by referring to its opinion. We need only to say that Gathmann emphasized the distinction of his patents from all that preceded them as using a "vaporous or vapor-laden atmosphere," and that such necessarily existed or will occur in the methods used by the Government.

[3] It is counsel's contention that it is—inevitable that vaporous and vapor-laden atmosphere would be created the instant the heated air came in contact with the green powder, and would continue vaporous and vapor-laden until all of the alcohol and ether were extracted from the powder, or the powder be removed from the drier.

And of this, it is asserted, this court takes judicial notice as "the law of physics;" and the further assertion is that—

of course, this contact of the heated air with the alcohol and ether caused the air to become vapor laden, whether the defendant wished it or not.

The assertions prove too much. They leave the patents without basis, and the distinction they express and dwell on as merely verbal. If the asserted result was inevitable in the method of the patents, it was inevitable in the method in use prior to the patents; and, we repeat, the patents are left without justification.

The conclusion, therefore, must be that if the methods of the patents are different from the prior art by reason of the "initial vapor-laden atmosphere by admitting vapor as steam," the Government does not use it; if that be not its distinction, and the methods of the prior art inevitably have it, the patents are no advance upon that art and are invalid.

Judgment affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

714,651, T. H. Macdonald, Recording and reproducing sounds, suit filed Jan. 23, 1912, U. S. D. C., D. Mass., Doc. E 307, *American Graphophone Co. v. Boston Talking Machine Co.* Final decree dismissing bill for lack of prosecution entered Mar. 19, 1923.

822,146, E. C. Meissner, Pneumatic hammers; 917,242, J. Boyer, same, suit filed May 24, 1923, U. S. D. C., N. D. Ill., Doc. 3547, *Chicago Pneumatic Tool Co. v. King Pneumatic Tool Co.*

917,242. (See 822,146.)

942,700, L. H. Baekeland, Condensation product of phenol and formaldehyde and method of making same, suit filed May 25, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/360, *Bakelite Corp. v. D. A. Schulte, Inc.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed May 24, 1923, U. S. D. C., N. D. Ill., Doc. 3548, *The Davey Tree Expert Co. v. R. W. Johnson.* Same, N. D. N. Y., Doc. 426, *The Davey Tree Expert Co. v. W. E. McDougall.*

977,793, W. D. Gibbs, Educational appliances; 1,071,130, Pressure-demonstrating apparatus, suit filed May 10, 1923, U. S. D. C., N. D. Ill., Doc. 3532, *Central Scientific Co. v. W. M. Welch Mfg. Co.*

983,994, N. T. Harrington, Carburetors; 984,032, J. B. Seager, same, suit filed May 14, 1923, U. S. D. C., N. D. Ill., Doc. 3537, *H. R. Seager (Executor) et al. v. Chevrolet Motor Co.*

984,032. (See 983,994.)

1,015,551, H. C. Gamage, Dust guards for car-axle boxes, suit filed May 11, 1923, U. S. D. C., N. D. Ill., Doc. 3534, *D. P. Co. v. J. H. Sharp et al.*

1,045,772. (See 1,208,126.)

1,070,406, F. E. Butterfield, Method of making stiffened fore parts of boot and shoe uppers, suit filed Mar. 11, 1915, U. S. D. C., D. Mass., Doc. E 629, *Beckwith Box Toe Co. v. E. L. Gowdy et al.* Interlocutory decree for injunction and accounting entered Aug. 19, 1916. Final decree for injunction entered May 25, 1923.

1,071,130. (See 977,793.)

1,124,694, Butterfield & Butterfield, Box toes and blanks therefor, suit filed Mar. 11, 1915, U. S. D. C., D. Mass., Doc. E 630, *Beckwith Box Toe Co. v. E. L. Gowdy et al.* Interlocutory decree for injunction and accounting entered Aug. 19, 1916. Final decree for injunction entered May 25, 1923.

1,137,443, C. N. Ackerman, Screw-holding insert; 1,164,903, same, Tool for setting screw anchors, suit filed May 18, 1923, U. S. D. C., N. D. Ill., Doc. 3542, *Ackerman-Johnson Co. v. R. S. Peirce et al.*

1,164,815, S. A. Hunter, Wrench, suit filed July 30, 1921, U. S. D. C., E. D. Wis., Doc. C. D. 1136, *Walden-Worcester, Inc. v. American Grinder Mfg. Co. et al.* Decree dismissing bill for want of equity May 9, 1923.

1,164,903. (See 1,137,443.)

1,208,126, J. E. Francisco, Lubricating system for motors; 1,045,772, H. E. Coffin, Lubricators, suit filed May 28, 1923, U. S. D. C., S. D. Calif., Doc. G 106, *W. O. Thompson v. B. & H. Mfg. Co. et al.*

1,216,140, A. Kurtz, Lining for hats, suit filed Apr. 21, 1920, U. S. D. C., D. Mass., Doc. E 999, *A. Kurtz et al. v. A. Hurwitz et al.* Final decree for injunction by consent entered Feb. 26, 1923. Injunction issued Mar. 17, 1923.

1,216,421, E. R. Draver, Shock absorber for cantilever springs, decree of dismissal without prejudice entered Apr. 26, 1923, U. S. D. C., S. D. Calif. (N. D.), *The Marvel Shock Absorber Co. et al. v. R. Ragsdale et al. (Ragsdale Shock Absorber Co.).*

1,229,102, B. E. Lloyd, Talking doll, Final decree for plaintiff, sustaining patent, adjudging infringement, and granting injunction filed Jan. 10, 1923, U. S. D. C., S. D. N. Y., *B. E. Lloyd et al. v. K. & K. Toy Co., Inc.*

1,235,697, J. Kelling, Fleshing machines; 1,382,126, Schroedter & Kelling, same, suit filed Oct. 18, 1921, U. S. D. C., E. D. Wis., Doc. C. D. 1160, *Monarch Fleshing Machine Co. v. J. Laskin et al.* Decree holding patents valid and infringed Apr. 30, 1923.

1,263,879, A. Gerosa, Lugs for power-plant support for motor vehicles, suit filed May 12, 1921, U. S. D. C., D. R. I., Doc. 133, *Hudson Motor Specialties Co. v. Apco Mfg. Co.* Final decree May 18, 1923, dismissing bill, enjoining plaintiffs, and referring cause to master.

1,382,126. (See 1,235,697.)

1,383,845, W. H. Palmer, jr., Storage-battery connector, suit filed May 7, 1923, U. S. D. C., N. D. Ill., Doc. 3526, *The Electric Storage Battery Co. v. Holland Brass Works.*

1,388,669, C. E. Stahl, Combined driving and steering gear; 1,435,990, M. Sorensen, Steering gear, suit filed May 24, 1923, U. S. D. C., E. D. Wis., Doc. C. D. 1327, *Austin Machinery Corp. v. Pawling & Harnischfeger Co.*

1,398,372, R. F. Gowen, Coil mounting, suit filed May 19, 1923, U. S. D. C., D. R. I., Doc. 170, *De Forest Radio Telephone & Telegraph Co. v. Coto-Coil Co.*

1,430,499, 1,447,655, J. B. Gats, Visors for automobiles, suit filed May 15, 1923, U. S. D. C., N. D. Ill., Doc. 3538, *A. M. Searles v. Grigsby-Grunow-Hinds Co. et al.*

1,435,990. (See 1,388,669.)

1,438,440, H. F. Jackson, Advertising devices, suit filed May 23, 1923, U. S. D. C., W. D. Wis., Doc. F. E. 39, *L. R. Conwell v. Parker Pen Co.* Consent decree filed May 29, 1923. Injunction issued.

1,447,655. (See 1,430,499.)

Des. 56,698, O. H. Hicks, Radiator caps, suit filed May 12, 1923, U. S. D. C., N. D. Ill., Doc. 3536, *White Products Co. v. Krone-Sebek Die Casting Mfg. Co.*

TRADE-MARKS CANCELED.

115,924. Velvets, velvettas, velveteens, corduroys, moleskins, beaverteens, and other fustian cloths. Balstone, Cooke & Co., Ltd., of Manchester, England. Registered March 27, 1917. Canceled May 9, 1923.

130,095. Gold and platinum alloy metal for dental inlays and bridgework. M. F. Patterson Dental Supply Company, of Chicago, Ill., and St. Paul, Minn. Registered April 6, 1920. Canceled April 17, 1923.

157,032. Brake linings. Albert J. Conard, of Kansas City, Mo. Registered July 25, 1922. Canceled April 17, 1923.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 24, 1923.

[Vol. 312. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 134,088. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES.) RICHMOND PISTON RING Co., Richmond, Ind. Filed June 23, 1920.



Particular description of goods.—Piston Rings.
Claims use since May 1, 1920.

Ser. No. 142,046. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TETRALIN-GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany. Filed Jan. 10, 1921.

Tetralin

Particular description of goods.—Soaps in Solid, Liquid, or Powdered Form; Liquids, Powders, and Pastes for Cleaning or Scouring Metal, Stone, Wood, Painted or Varnished Surfaces, Furniture, Floors, or Wainscoting; and for a Metal-Polishing Preparation.

Claims use since Dec. 12, 1906.

Ser. No. 144,309. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BEGLEY MECHANICAL CORPORATION, New York, N. Y. Filed Mar. 5, 1921.

TEL-U

Particular description of goods.—Automobile Stop and Direction Indicators.

Claims use since Dec. 1, 1920.

Ser. No. 144,757. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WHITE PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 14, 1921.

WHITE LINE

Particular description of goods.—Automobile Windshield Wipers.

Claims use since February, 1920.

Ser. No. 145,110. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TAMEKICHI KATAGI, Seattle, Wash. Filed Mar. 23, 1921.



Applicant disclaims any right per se in the word "Tag-Lite" apart from the mark shown in the drawings and the distinctive way in which it is spelled.

Particular description of goods.—Electrical Stop and Direction Signal Light Systems for Vehicles.

Claims use since February, 1921.

Ser. No. 145,596. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SUPREME ORIENT O. O. H. & P., Schenectady, N. Y. Filed Apr. 1, 1921.



Particular description of goods.—Lapel Buttons.
Claims use since about September, 1907.

Ser. No. 148,279. (CLASS 37. PAPER AND STATIONERY.) INDEX VISIBLE, INC., New Haven, Conn. Filed May 26, 1921.



The words "New Haven, Conn., U. S. A.," are disclaimed.

Particular description of goods.—Card Indexes, Index Cards, Index-Card Cases, Index-Card Cabinets, Index-Card Tabs, Card Holders, Card Signals, and Card Sheaths.
Claims use since in or about July, 1920.

Ser. No. 149,873. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. H. WILLIAMS & Co., Brooklyn, N. Y. Filed June 30, 1921. Under ten-year proviso.

WILLIAMS

Particular description of goods.—Wrenches, Screw Wrenches, Socket Wrenches, Adjustable Wrenches, Automobile Wrenches, Pipe Wrenches, Chain Pipe Wrenches, Spanner Wrenches, Wrench Sets, Vises, Pipe Vises, Chain Pipe Vises, Vise Mounts, Vise Clamps, Crank Shafts, Center Keys, Shafting Collars, Machine Handles, and Connecting Rods, Igniter Levers, Starting Levers, and Valve Stems, All for Gas Engines, and Rod Ends, Yoke Ends, Keys, Balance Handles, Crank Handles, and Levers, All for Use in Machinery, Machine Tools, Gas Engines, and Automobiles; Wire-Rope Sockets, and Drifts for Use in Removing Drills from Sockets, Tool Posts, Tool-Post Rings, Tool-Post Wedges, Tool-Post Fittings, Clamps, Strap Clamps, C Clamps, Machinists' Clamps, Clamp Dogs, Lathe Dogs, Milling-Machine Dogs, Milling Tools, Rivet Sets, Boring Bars, Boring Tools, Boring-Tool Posts, Packing Tools, Automobile Rim Tools, Cutting-Off Tools,

Side Tools, Knurling Tools, Lathe Tools, Planing Tools, Grinding Tools, Threading Tools, Turning Tools, Pipe Tools, Tool Sets, Tool Holders and Cutters Therefor, Pipe Cutters, Hammers, Hatchets, Pliers, and Screw Drivers.
Claims use since 1883.

Ser. No. 149,884. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GEORGE W. BROOKS, Topeka, Kans. Filed July 1, 1921.

BLASTEEL

Particular description of goods.—Blackboards.
Claims use since May 12, 1921.

Ser. No. 152,036. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STAR ELECTRIC MOTOR Co., Newark, N. J. Filed Aug. 22, 1921.



Particular description of goods.—Electric Motors, Electric Generators, and Electric Fans.
Claims use since June 1, 1912.

Ser. No. 152,037. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STAR ELECTRIC MOTOR Co., Newark, N. J. Filed Aug. 22, 1921.



Particular description of goods.—Electric Motors, Electric Generators, and Electric Fans.
Claims use since May 1, 1920.

Ser. No. 152,428. (CLASS 39. CLOTHING.) JULIUS LAND, doing business as Vanitie Hat Co., New York, N. Y. Filed Aug. 31, 1921.



Particular description of goods.—Ladies', Misses', and Children's Hats.

Claims use since January, 1917.

Ser. No. 153,036. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. FITZPATRICK, Gloversville, N. Y. Filed Sept. 17, 1921.



No claim is made to the use of the word "Bread" apart from the mark shown upon the drawing, although applicant specifically reserves all common-law rights thereto.

Particular description of goods.—Bread.

Claims use since Jan. 1, 1921.

Ser. No. 153,101. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW HAMPSHIRE CO-OPERATIVE MARKETING ASSOCIATION, INC., Manchester, N. H. Filed Sept. 19, 1921.



All the reading matter shown on the drawing is disclaimed apart from the other features of the mark.

Particular description of goods.—Fresh Eggs.

Claims use since Aug. 15, 1921.

Ser. No. 155,277. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) STACK HEATER COMPANY, Boston, Mass. Filed Nov. 10, 1921.



Particular description of goods.—Direct and Indirect Water Heaters, Instantaneous Water Heaters, and Automatically-Controlled Water Heaters Heated by Oil, Gas, or Vapor.

Claims use since Apr. 1, 1919.

Ser. No. 155,665. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMPANIA IMPORTING COMPANY, INC., New York, N. Y. Filed Nov. 21, 1921.



The upper portion of the shield is lined for green and the lower portion for red.

Particular description of goods.—Olive Oil.

Claims use since July 28, 1921.

Ser. No. 155,668. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNLEVY PACKING COMPANY, Pittsburgh, Pa., assignor to Dunlevy-Franklin Company, a Corporation of Pennsylvania. Filed Nov. 21, 1921. Under ten-year proviso.

DUNLEVY

Trade-mark consists of the word "Dunlevy."

Particular description of goods.—Butter, Margarines, Eggs in the Shell, Lard; Fresh, Cooked, Cured, Dried, Salted, Smoked, and Preserved Meats, and Cheese and Sausage Products.

Claims use since 1882.

Ser. No. 156,473. (CLASS 11. INKS AND INKING MATERIALS.) SIGMUND ULLMAN COMPANY, New York, N. Y. Filed Dec. 8, 1921.



The oblique shade lines do not represent color.

Particular description of goods.—News Ink, Rotary-Press Inks, Cylinder-Press Inks, Cylinder-Job Blacks, Combination Half-Tone Blacks, Combination Job Blacks, Special and Colored Blacks, Special Colored Inks, Red Inks, Blue Inks, Green Inks, Brown Inks, Yellow Inks, Purple Inks, White Inks, Tints, Copyable Inks, Type-writer Imitation Inks, Gold and Silver Inks, Satin Inks, Poster Inks, Etching Inks, Process Inks, Wet-Process Inks, Fugitive Tints, Engravers' Woodcut Proof Inks, Collotype (Lichtdruck) Inks, Lithographic Inks, Steel and Copper Plate Inks, Offset Inks, Paging Inks, Bookbinders' Inks, Plate and Die-Stamping Inks, Alkali-proof Inks, Double-Tone Inks, Bond-Paper Inks, Cover Inks, Photogravure Inks, Dry Colors, Driers, Varnishes, Gloss Varnishes, Plate Oils and Varnishes, Bronze Powders, Inks for All Processes in the Printing Industry.

Claims use since January, 1898.

Ser. No. 157,084. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TASTY BAKING COMPANY, Philadelphia, Pa. Filed Dec. 23, 1921.

TEMPTY

Particular description of goods.—Cake.

Claims use since Dec. 16, 1921.

Ser. No. 161,728. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HART & HEGEMAN MANUFACTURING COMPANY, Hartford, Conn. Filed Apr. 4, 1922.



Particular description of goods.—Electrical Switches.
Claims use since on or about Dec. 7, 1921.

Ser. No. 161,992. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL LEAD BATTERIES COMPANY, Newark, N. J. Filed Apr. 10, 1922.



Particular description of goods.—Lead Storage Batteries and Parts.

Claims use since Feb. 1, 1922.

Ser. No. 162,667. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CLEVELAND RADIO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Apr. 21, 1922.



Particular description of goods.—Radio Sets and Coupling Coils, Condensers, Detectors, Inductances, Batteries, Transmitters, Receivers, Tubes, Amplifying Devices, Transformers, Generators, Alternators, Antennas, and Parts Thereof.

Claims use since Mar. 20, 1922.

Ser. No. 163,211. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ACHESON MANUFACTURING COMPANY, Rankin, Pa. Filed May 2, 1922.

M

Particular description of goods.—Pipe Fittings, Comprising L's, Street L's, Drop L's, Side Outlet L's, T's, Drop T's, Single Ear Drop T's, Double Ear Drop T's, Side Outlet T's, Crosses, Plugs, Caps, Return Bends, Y's, Couplings, Reducing Couplings, Right and Left Couplings Vent Fittings, Comprising T's and Crosses; Traps, Casing Fittings, Railing Fittings, Union L's, Union T's, Urinal Fittings, Urinal Trimmings, Urinal Spreaders, Urinal Strainers, Angles, Bushings, Nipples, Unions, Extensions, Joints, Tubing, Strainers, and Wastes, All Made of Brass.

Claims use since Feb. 26, 1906.

Ser. No. 163,387. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GRAPHOTO COMPANY, Boston, Mass. Filed May 5, 1922.

-GRAPHOTO-

Particular description of goods.—Coated Glass Plates for Etching, Drawing, and Hand Negatives.

Claims use since Dec. 5, 1921.

Ser. No. 163,987. (CLASS 37. PAPER AND STATIONERY.) WILLIAM H. JOHNSON, New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed May 17, 1922.



Particular description of goods.—Wrapping Paper, Pencils, Pens, Blank Bank Books, Bill Files, Billheads, Bill Straps, Blank Forms, Blotting Paper, Bookmarks, Card-Index Cards, Composition Books, Envelopes, Account Books, Elastic Rubber Bands, Chalk Crayons, Tailors' Chalk, Confetti, Crêpe Paper, Cardboard, and Writing Paper.

Claims use since May 13, 1922.

Ser. No. 164,069. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WALTER C. PALMER, doing business as W. R. Palmer & Co., Cincinnati, Ohio. Filed May 18, 1922.

"QUEEN"

Particular description of goods.—Mops.

Claims use since May, 1910.

Ser. No. 164,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE WILLIAM KING, Boston, Mass. Filed May 19, 1922.

KING QUALITY

The word "Quality" is disclaimed except in association with the word "King" ("King Quality").

Particular description of goods.—Edible Vegetable Fats and Oils.

Claims use since Sept. 2, 1921.

Ser. No. 164,489. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) B & L METAL STAMPING CO., INC., New York, N. Y. Filed May 25, 1922.

"BELMET"

Particular description of goods.—Stamped, Drawn, Spun, and Turned Metal Parts and Fixtures for Electric-Lighting Fixtures—Nameily, Brackets, Hooks, Hickies, Extensions, Tops, Curved Extensions, Candle Cups, Cluster Cups, Candle Extensions, and Ornamentations—Also Complete Electric-Lighting Fixtures.

Claims use since May 7, 1920.

Ser. No. 165,120. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. BOYRIVEN, New York, N. Y. Filed June 7, 1922. Under ten-year proviso.

Boyriven

Particular description of goods.—Automobile Upholstery Fabrics Textile in Nature.

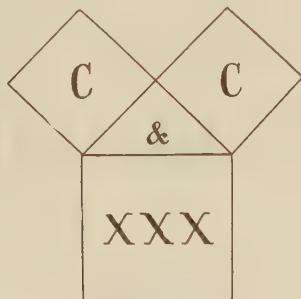
Claims use since 1840.

Ser. No. 165,406. (CLASS 39. CLOTHING.) NATURE'S RIVAL COMPANY, Chicago, Ill. Filed June 12, 1922.

FLAT-O-FORM

Particular description of goods. Brassières.
Claims use since May 31, 1922.

Ser. No. 165,528. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CARL COLSMAN, doing business as Colsmán & Co., Werdohl, Germany. Filed June 15, 1922.



Pythagoras

Trade-mark consists of an illustration of the Pythagorean theorem with the inscription "C & C XXX" and the sign "Pythagoras."

Particular description of goods.—Household and Kitchen Utensils Made of Aluminum—Namely, Stew and Sauce Pots and Pans, Fry Pans, Colanders, Strainers, Rice Boilers, Soup Ladles, Skimmers, Teakettles, Tea and Coffee Pots, Cups, Egg Cups, Ladles, Cake Turners.

Claims use since Jan. 9, 1911.

Ser. No. 166,315. (CLASS 39. CLOTHING.) MILITARY ORDER OF THE COOTIE, New York and Brooklyn, N. Y. Filed June 30, 1922.



Particular description of goods.—Hats, Caps, Tassels, and Aprons.

Claims use since on or about Sept. 1, 1920.

Ser. No. 167,853. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE SIGLER BROS. Co., Cleveland, Ohio. Filed Aug. 5, 1922.

Relgis

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches, Both Wholesale and Retail.

Claims use since Jan. 15, 1920.

Ser. No. 168,042. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KINGS COUNTY PACKING Co., Armona, Calif. Filed Aug. 10, 1922.

EL VENADO

Particular description of goods.—Canned Fruits.
Claims use since 1916.

Ser. No. 168,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIES, ROSE & Co., LTD., Boston, Mass. Filed Aug. 21, 1922.

LIMONIA

Trade-mark consists of the word "Limonia."

Particular description of goods.—Extracts and Flavorings for Food Purposes.

Claims use since January, 1922.

Ser. No. 168,935. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MY OWN COMPANY, Indianapolis, Ind. Filed Aug. 31, 1922.

My Own

Particular description of goods.—Catchup, Chile Con Carne, Chili Sauce, Canned Apples, Apricots, Blackberries, Blueberries, Cherries, Gooseberries, Grapes, Grapefruit, Loganberries, Nectarines, Peaches, Pears, Pineapple, Plums, Quinces, Raspberries, and Strawberries; Hominy, Mustard, Mustard Dressing, Peanut Butter, Pepper Sauce, Pork and Beans, Salad Dressing, Shortening, Spaghetti, Spices, Canned Soups, Condensed Milk, Evaporated Milk; and Canned Artichokes, Asparagus, Beans, Beets, Red Kidney Beans, Sauerkraut, Succotash, Cabbage, Celery, Corn, Okra, Peas, Pumpkin, Spinach, Squash, Sweet Potatoes, and Tomatoes.

Claims use since May 29, 1922.

Ser. No. 169,138. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. RUBSAM Co., Inc., New York, N. Y. Filed Sept. 6, 1922.



The word "Pills" appearing in the drawing is hereby disclaimed.

Particular description of goods.—Pills and Tablets for Regulating Menstrual Functions.

Claims use since Apr. 19, 1922.

Ser. No. 169,317. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOE NICOMEDE, doing business as Lustroil Co., Altoona, Pa. Filed Sept. 11, 1922.



No claim is made to the words "Instrument Polish" apart from the mark shown on the drawing.

Particular description of goods.—Polish for Restoring the Polish of Musical Instruments.

Claims use since Jan. 1, 1922.

Ser. No. 169,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. GOODMAN & SONS, INC., New York, N. Y. Filed Sept. 16, 1922.

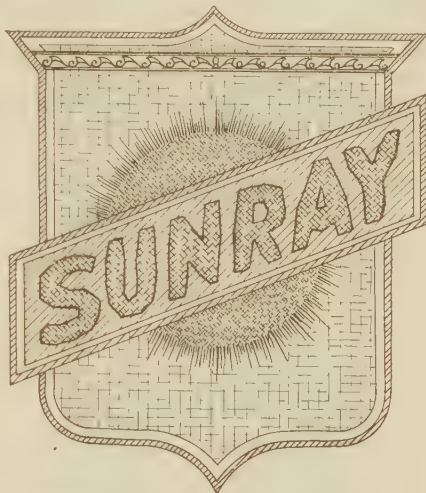


No claim made to the words "100 per cent Whole Wheat" and "Spaghetti" apart from the mark as shown.

Particular description of goods.—Alimentary Paste Products.

Claims use since Aug. 26, 1922.

Ser. No. 169,605. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEERLESS CONFECTION COMPANY, Chicago, Ill. Filed Sept. 18, 1922.



The shading in the drawing designates red and violet, respectively.

Particular description of goods.—Candies.

Claims use since January, 1922.

Ser. No. 169,630. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FLEXLUME CORPORATION, Buffalo, N. Y. Filed Sept. 18, 1922.

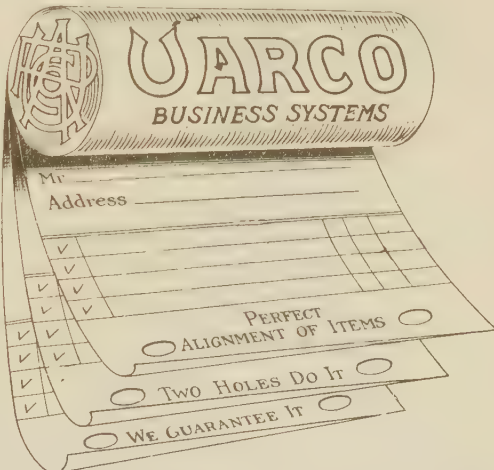


Applicant makes no claim to the words "Electrical Advertising" and "Buffalo" apart from the mark shown.

Particular description of goods.—Electrically-Illuminated Signs.

Claims use since June 20, 1922.

Ser. No. 169,993. (CLASS 37. PAPER AND STATIONERY.) UNITED AUTOGRAPHIC REGISTER CO., Chicago, Ill. Filed Sept. 27, 1922.



Applicant disclaims use of the words "Business Systems" and all illustration of such systems including the

words "Perfect Alignment of Items," "Two Holes Do It," and "We Guarantee It," apart from the mark shown in the drawing. Trade-mark "Narco."

Particular description of goods.—Loose-Leaf Binders and Leaves Thereof.

Claims use since Jan. 1, 1922.

Ser. No. 170,269. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BARASH BROS., INC., New York, N. Y. Filed Oct. 4, 1922.



Particular description of goods.—Rickrack Braid Sold by the Yard and Used for Dress Trimmings.

Claims use since July, 1921.

Ser. No. 170,300. (CLASS 2. RECEPTACLES.) LAZELL PERFUMER, Newburgh, N. Y. Filed Oct. 4, 1922.

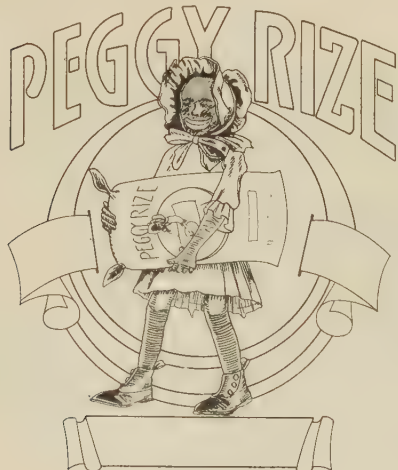
TWINETTE

Trade-mark consists of the word "Twinette."

Particular description of goods.—Rouge and Powder Compact Package.

Claims use since Sept. 2, 1922.

Ser. No. 170,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPRAGUE ROLLER MILLS, Sprague, Wash. Filed Oct. 14, 1922.



No claim is made to the representation of a sack of flour apart from the other features of the mark.

Particular description of goods.—Self-Rising Flour.

Claims use since Aug. 12, 1921.

Ser. No. 170,751. (CLASS 15. OILS AND GREASES.) HERBERT DAVID BURROUGHS, Atlanta, Ga. Filed Oct. 16, 1922.



No claim is made to the word "Gas" apart from the mark as shown on the drawing.

Particular description of goods.—Gasoline.

Claims use since Oct. 1, 1922.

Ser. No. 170,888. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VALENTINO BALDACCI, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy. Filed Oct. 18, 1922.

Limema

Particular description of goods.—Hæmostatic Preparations.

Claims use since Jan. 22, 1919.

Ser. No. 171,315. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE GOSHEN CHURN & LADDER COMPANY, Goshen, Ind. Filed Oct. 28, 1922.

Security

Particular description of goods.—Ladders.

Claims use since Oct. 1, 1901.

Ser. No. 171,803. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ITALIAN BOOK CO. INC., New York, N. Y. Filed Nov. 10, 1922.

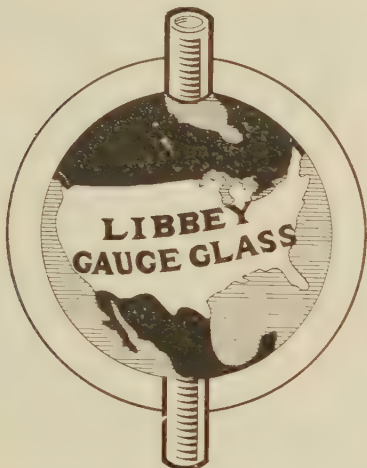


No claim is made to the words "Phonotype Record" and "Trade-Mark" apart from the mark as shown in drawing.

Particular description of goods.—Phonograph Records.

Claims use since July 1, 1921.

Ser. No. 171,807. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE LIBBEY GLASS MANUFACTURING Co., Toledo, Ohio. Filed Nov. 10, 1922.



The words "Gauge Glass" are disclaimed apart from the mark as shown. The lining expresses the color blue.
Particular description of goods.—Glassware, and Particularly Gauge Glass.

Claims use since Sept. 24, 1922.

Ser. No. 171,893. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LEOPOLD BLOCK, doing business as Buffalo Jewelry Manufacturing Company, Buffalo, N. Y. Filed Nov. 13, 1922.



Particular description of goods.—Finger Rings and Neck Chains.

Claims use since Nov. 1, 1912.

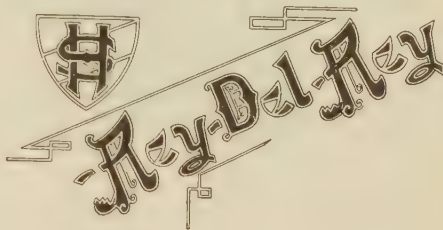
Ser. No. 172,031. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONSOLIDATED TEXTILE CORPORATION, New York, N. Y. Filed Nov. 15, 1922.

KRAFT KLOTH

The word "Kloth" is disclaimed apart from the mark as shown.

Particular description of goods.—Unbleached Sheeting.
Claims use since September, 1921.

Ser. No. 172,044. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REY-DEL-REY CANDY Co., Philadelphia, Pa. Filed Nov. 15, 1922.



Particular description of goods.—Candy.

Claims use since Sept. 1, 1922.

Ser. No. 172,180. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Steel Rules, Zigzag Rules, Dividers, Measuring Tapes, Tape Cases, Trammel Points, Pattern Rules, and Weathervanes.

Claims use since Oct. 1, 1921.

Ser. No. 172,182. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Soldering Coppers, Hollow and Solid Punches, Chisels, Rivet Sets, Scratch Awls, Hand Groovers, Pliers, Nippers, Hammers, Shears, Snips, Pipe Crimpers, Slate Dressers, Slaters' Tools, Tongs, Seamers, Mallets, Mandrel Stakes, Roof Crimpers, Workbenches, and Benders.

Claims use since Oct. 1, 1921.

Ser. No. 172,184. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Eaves-Trough Nails, Rivets, Brackets, Bolts, and Chains.

Claims use since Oct. 1, 1921.

Ser. No. 172,380. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) PAUL S. HOLLIS, doing business as Big State Co., Fort Worth, Tex. Filed Nov. 22, 1922.

POLY POP

No claim made to the word "Pop" apart from the mark shown on the drawing.

Particular description of goods.—Nonalcoholic, Maltless Beverage Powder Used for Making Soft Drinks.

Claims use since Jan. 1, 1922.

Ser. No. 172,392. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHENIX CHEESE Co., New York, N. Y. Filed Nov. 22, 1922.

Phenix Club

Particular description of goods.—Cheese.

Claims use since July 1, 1919.

Ser. No. 172,580. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JAMES W. BRINE COMPANY, Boston, Mass. Filed Nov. 27, 1922.

BRINE

Particular description of goods.—Surveying Linemen's Measuring Outfits Consisting of Poles, Flags, and Chains and Measuring Tapes.

Claims use since Jan. 1, 1895.

Ser. No. 172,581. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JAMES W. BRINE COMPANY, Boston, Mass. Filed Nov. 27, 1922. Under ten-year proviso.

BRINE

Particular description of goods.—Flags, Banners, Pennants, Competition Numbers, Felt Letters, Felt Numerals, Felt Monograms, Felt Emblems, Felt Arm Bands, Friction Cloth, Football Laces, and Football-Lacing Devices.

Claims use since Jan. 1, 1895.

Ser. No. 172,730. (CLASS 37. PAPER AND STATIONERY.) JAMES W. BRINE COMPANY, Boston, Mass. Filed Dec. 1, 1922.

BRINE

Particular description of goods.—Score books.

Claims use since Jan. 1, 1895.

Ser. No. 172,758. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FAUSTO A. MUSCENTE, doing business as Snow Cake Mfg. Co., Providence, R. I. Filed Dec. 1, 1922.

SNOW CAKE

Particular description of goods.—Edible Ice-Cream Containers.

Claims use since May, 1922.

Ser. No. 172,829. (CLASS 32. FURNITURE AND UPHOLSTERY.) COTTON BELT MANUFACTURING COMPANY, Rocky Mount, N. C. Filed Dec. 2, 1922.

DIXIE

KING

Particular description of goods.—Mattresses.

Claims use since May, 1907.

Ser. No. 172,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG TOASTED CORN FLAKE Co., Battle Creek, Mich. Filed Dec. 4, 1922.

PEP

Particular description of goods.—Cereal Breakfast Foods.

Claims use since about Oct. 26, 1922.

Ser. No. 172,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOWELL A. SUTERMEISTER, Dayton, Ohio. Filed Dec. 4, 1922.

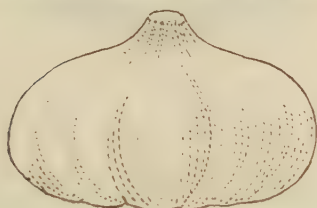
Jungle Jovs

Particular description of goods.—Ice-Cream Portion Either with or without an Edible Support.

Claims use since about Oct. 24, 1922.

Ser. No. 172,990. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed Dec. 6, 1922.

VACUUM BRAND GARLIC COMPOUND



DESICCATED GARLIC COMPOUND

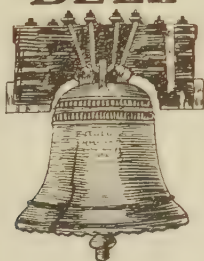
No claim is made to the words "Brand" or "Garlic" or "Compound," or to the phrase "Desiccated Garlic Compound," or to the pictorial representation of garlic apart from the other features of the mark shown on the drawing and apart from the common-law rights of applicant.

Particular description of goods.—Garlic Flavoring Compound.

Claims use since 1903.

Ser. No. 173,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WEIDEMAN COMPANY, Cleveland, Ohio. Filed Dec. 13, 1922.

LIBERTY BELL



Particular description of goods.—Coffee.
Claims use since Mar. 7, 1922.

Ser. No. 173,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORA HOLMES SHOEMAKER, doing business as The Frostilla Company, Elmira, N. Y. Filed Dec. 16, 1922.



Particular description of goods.—Lotion for the Skin.
Claims use since 1879.

Ser. No. 173,469. (CLASS 39. CLOTHING.) THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill. Filed Dec. 18, 1922.

"MAN-SIZE"

Particular description of goods.—Leather Gloves, Gauntlets, and Mittens.

Claims use since July 24, 1922.

Ser. No. 173,474. (CLASS 39. CLOTHING.) THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill. Filed Dec. 18, 1922.

"OLD RELIABLE"

Particular description of goods.—Leather Gloves, Gauntlets, and Mittens.

Claims use since July 24, 1922.

Ser. No. 173,477. (CLASS 39. CLOTHING.) THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill. Filed Dec. 18, 1922.

"BIG BOY"

Particular description of goods.—Leather Gloves, Gauntlets, and Mittens.

Claims use since July 24, 1922.

Ser. No. 173,551. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN RANGE & FOUNDRY COMPANY, also doing business as Minnesota Stove Company, Minneapolis, Minn. Filed Dec. 19, 1922.

SANICO

Particular description of goods.—Electric Stoves and Ranges.

Claims use since Mar. 10, 1922.

Ser. No. 173,887. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MEYER GOLDIN, doing business as Continental Watch and Jewelry Co., Chicago, Ill. Filed Dec. 27, 1922.



Particular description of goods.—Watch Movements and Watchcases.

Claims use since Aug. 1, 1922.

Ser. No. 173,946. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WELLS-ABBOTT-NIEMAN CO., INC., Schuyler, Nebr. Filed Dec. 28, 1922.



PATRIOTA

Particular description of goods.—Hard-Wheat Flour.

Claims use since September, 1922.

Ser. No. 173,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Dec. 29, 1922.

MAZ-ALL

Particular description of goods.—Stock Feeds.

Claims use since 1906.

Ser. No. 174,045. (CLASS 39. CLOTHING.) THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed Dec. 30, 1922.

SLIP-ON-WAIST



Applicant disclaims any registration rights in the words "Slip-On-Waist" and in the representation of the

goods themselves apart from what the mark shows, but by such disclaimer waives none of its common-law rights in the mark or any part thereof.

Particular description of goods.—Underwaists.

Claims use since Dec. 21, 1922.

Ser. No. 174,163. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ASIA COMPANY, Los Angeles, Calif. Filed Jan. 4, 1923.



An English translation of the Japanese character shown in the mark, being "Kin," signifying "Gold," "Metal," "Money."

Particular description of goods.—Bottled and Barreled Sauce, Soy; Packed Miso, (a Moist Condiment Prepared from Boiled Beans or Peas, Brewers' Yeast Which is Made from Rice or Wheat, Salt, and Vegetable Ingredients), and Rice.

Claims use since Dec. 1, 1921.

Ser. No. 174,183. (CLASS 39. CLOTHING.) MEYER, BACHARACH & FRIEDHEIM, New York, N. Y. Filed Jan. 4, 1923.

Morware

Particular description of goods.—Neckties.

Claims use since on or about July 1, 1922.

Ser. No. 174,281. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ATLAS SHEAR CO., Bridgeport, Conn. Filed Jan. 8, 1923.

RED+CROSS

Trade-mark consists of the words "Red Cross" and the representation of a red cross. These have generally been arranged as shown in accompanying specimens, in which the illustration is represented between said words. The lining expresses the color red.

Particular description of goods.—Shears and Scissors.

Claims use since Jan. 1, 1900.

Ser. No. 174,393. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELIC A. HOFFMAN, doing business as E. A. Hoffman Candy Co., Los Angeles, Calif. Filed Jan. 10, 1923.

PRINCE CHARMING

Particular description of goods.—Candy.
Claims use since Dec. 1, 1922.

Ser. No. 174,489. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RYDE & COMPANY, Chicago, Ill. Filed Jan. 11, 1923.



The expression "It Makes Us Lay" is disclaimed apart from the trade-mark in its entirety.

Particular description of goods.—Chicken Feed.
Claims use since December, 1919.

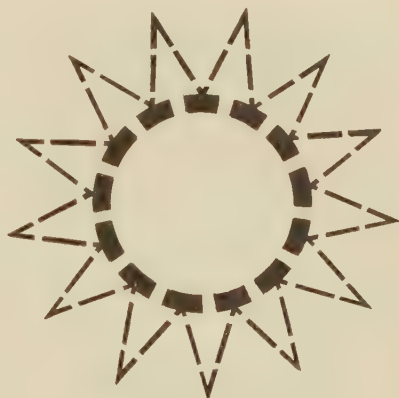
Ser. No. 174,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RYDE & COMPANY, Chicago, Ill. Filed Jan. 11, 1923.



The word "Quality" forming part of the trade-mark is disclaimed except in connection with the mark as an entirety.

Particular description of goods.—Stock Feed.
Claims use since Oct. 1, 1913.

Ser. No. 174,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMETERIO FLORES, New York, N. Y. Filed Jan. 13, 1923.



Particular description of goods.—Spanish Paprika and Spices.

Claims use since May, 1918.

Ser. No. 174,579. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MORRIS KLOSNER, doing business as Klosner Improved Apparatus Company, New York, N. Y. Filed Jan. 13, 1923.

AMPLITROL

Particular description of goods.—Electric Switches, Telephone Control Switches, Amplifier-Control Switches, B-Battery-Control Switches, and Resistance-Control Parts.

Claims use since about Jan. 1, 1922.

Ser. No. 174,586. (CLASS 39. CLOTHING.) IDA MUNZER, INC., New York, N. Y. Filed Jan. 13, 1923.

@ami - Knicks

Particular description of goods.—Women's and Children's Textile Underwear.

Claims use since Aug. 1, 1922.

Ser. No. 174,647. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HOLLAND SPECIALTY COMPANY, Peoria, Ill. Filed Jan. 15, 1923.

A LIQUID
Tax-O-Dent
CLEANS FALSE TEETH

No claim is made to the words "A Liquid" and "Cleans False Teeth" apart from the mark shown in the drawing.

Particular description of goods.—Preparation for Cleaning Artificial Dentures.

Claims use since about Nov. 1, 1922.

Ser. No. 174,763. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. ARENA & Co., Los Angeles, Calif. Filed Jan. 19, 1923.

PANSY

Particular description of goods.—Fresh Cantaloupes.
Claims use since 1918.

Ser. No. 174,841. (CLASS 39. CLOTHING.) WILLIAM H. JOHNSON, Arlington, N. J. Filed Jan. 20, 1923.

**KNIGHT
"O"
GARTER**

No claim is made to the word "Garter" apart from the mark as shown in the drawing.

Particular description of goods.—Garters.
Claims use since Jan. 9, 1923.

Ser. No. 174,845. (CLASS 39. CLOTHING.) E. W. MARVIN COMPANY, Troy, N. Y. Filed Jan. 20, 1923.
Under ten-year proviso.

Marvin

Particular description of goods.—Nurses' Collars, Cuffs, Aprons, Caps, Bibs, Uniforms, Operating Gowns; Patients' Bed Gowns, and Ladies' Collars and Cuffs.
Claims use since about 1890.

Ser. No. 174,850. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE OIL COUNTRY SPECIALTIES MANUFACTURING Co., Coffeyville, Kans. Filed Jan. 20, 1923.

RED TOP

Particular description of goods.—Oil-Well Swabs, Stamping Boxes, Jerecki Jets, Wire-Line Sockets, and Tongs.

Claims use since Oct. 17, 1922.

Ser. No. 174,865. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SAN-O-DENT COMPANY, Spokane, Wash. Filed Jan. 20, 1923.

SAN-O-DENT

Particular description of goods.—Cleanser for False Teeth.

Claims use since Oct. 1, 1922.

Ser. No. 174,866. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAX O. SCHAEFER, doing business as Velveeta Cheese Company, Monroe, N. Y. Filed Jan. 20, 1923.

Velveeta

Particular description of goods.—Cheese.
Claims use since Jan. 18, 1923.

Ser. No. 175,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOS. GARNEAU CO., INC., New York, N. Y. Filed Jan. 25, 1923.



The picture accompanying the mark upon the specimen presented is purely fanciful. The word "Brand" is disclaimed as forming no part of the mark.

Particular description of goods.—Canned Fish.
Claims use since Dec. 1, 1922.

Ser. No. 175,311. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM P. HAYHURST, Santa Rosa, Calif. Filed Jan. 30, 1923.

THERAPUO

Particular description of goods.—Lotion to Keep the Skin Soft and for Alleviation of Inflammations.
Claims use since Dec. 21, 1916.

Ser. No. 175,356. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
INDIAN STAR CHEMICAL Co., Jericho, Ark. Filed Jan. 31, 1923.



**Indian
Star**

Particular description of goods.—Face Powder, Hair Straightener, Medicine for Worms, Liver and Kidney Regulator, and Liniment.

Claims use since July, 1887.

Ser. No. 175,564. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.)
JOSEPH H. McEVoy, Houston, Tex. Filed Feb. 5, 1923.



Without waiver of common-law rights no claim is made to the use of the words "Wireless," "Well Strainer," "Pat'd Aug. '06, Sept. '15," and "Trade-Mark" apart from the mark shown on the drawing.

Particular description of goods.—Well Screens and Well Strainers.

Claims use since Dec. 28, 1922.

Ser. No. 175,565. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.)
JOSEPH H. McEVoy, Houston, Tex. Filed Feb. 5, 1923.



Without waiver of common-law rights no claim is made to the words "Trade-Mark" and "Wireless" apart from the mark shown in the drawing.

Particular description of goods.—Well Screens and Well Strainers.

Claims use since 1908.

Ser. No. 175,569. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
CARL R. ROSTINE, Ontario, Calif. Filed Feb. 5, 1923.

EUCALIN

Particular description of goods.—Medical Preparation for Coughs, Colds, Bronchitis, Croup, Hoarseness, and Throat Irritation.

Claims use since July, 1922.

Ser. No. 175,675. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
ROY MYERS, Los Angeles, Calif. Filed Feb. 7, 1923.

EXIT

Particular description of goods.—Laxatives.

Claims use since Dec. 15, 1922.

Ser. No. 175,715. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.)
JOHAN DIDRICHSEN, Christiania, Norway. Filed Feb. 8, 1923.

Vitaminax

Particular description of goods.—Cod-Liver Oil.

Claims use since November, 1921.

Ser. No. 175,811. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY-MALING CO. INC., Portland, Oreg. Filed Feb. 9, 1923.

Raybrook

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.

Claims use since June 1, 1922.

Ser. No. 176,075. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ETCHED PRODUCTS CORPORATION, Long Island City, N. Y. Filed Feb. 15, 1923.

“EPCO”

Particular description of goods.—Metallic Hot-Dish Plaques.

Claims use since Feb. 6, 1923.

Ser. No. 176,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIREN MILLS CORPORATION, Chicago, Ill. Filed Feb. 15, 1923.

SIREN

The trade-mark consists of the word “Siren.”

Particular description of goods.—Powder Used in Making Chocolate Sauces or Sirups for Food Purposes.

Claims use since Jan. 2, 1923.

Ser. No. 176,106. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Filed Feb. 16, 1923.

DELICO

Particular description of goods.—Cottonseed Oil for Frying, Cooking, Salads, Shortening, and Mayonnaise.

Claims use since Jan. 25, 1923.

Ser. No. 176,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARY GERMANY, doing business as Mrs. Mary Germany, Dallas, Tex. Filed Feb. 16, 1923.



No claim is made to any of the descriptive matter or wording of the label except the name “Mrs. Mary Germany's” and the signature “Mrs. Mary Germany,” which is a facsimile of her signature.

Particular description of goods.—Salad Dressing.

Claims use since about Jan. 1, 1919.

Ser. No. 176,230. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UNITED STATES BRONZE POWDER WORKS, INC., New York, N. Y. Filed Feb. 17, 1923.

VENUS

Trade-mark consists of the word “Venus.”

Particular description of goods.—Bronze Powders and Bronzing Liquids.

Claims use since Jan. 26, 1922.

Ser. No. 176,231. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UNITED STATES BRONZE POWDER WORKS, INC., New York, N. Y. Filed Feb. 17, 1923.

HELIUS

Trade-mark consists of the word “Helius.”

Particular description of goods.—Bronze Powders and Bronzing Liquid.

Claims use since Jan. 26, 1922.

Ser. No. 176,461. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUGUST GOERTZ & Co., Newark, N. J. Filed Feb. 23, 1923.



The word “Cutter” is disclaimed apart from its association with the trade-mark as shown in the drawing.

Particular description of goods.—Knife or Cutting-Blade Handles.

Claims use since Dec. 20, 1922.

Ser. No. 176,561. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MARQUETTE MANUFACTURING COMPANY, St. Paul, Minn. Filed Feb. 24, 1923.

MARQUETTE

Particular description of goods.—Luggage Carriers, Shock Absorbers, and Combined Fender Braces and Bumpers.

Claims use since Nov. 15, 1921, on luggage carriers; since Jan. 24, 1922, on shock absorbers; since August, 1922, on combined fender braces and bumpers.

Ser. No. 176,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAIYO TRADING CO., INC., New York, N. Y. Filed Feb. 24, 1923.

SEA GATE BRAND

The word “Brand” appearing is disclaimed.

Particular description of goods.—Canned Crab Meat.

Claims use since about Feb. 1, 1922.

Ser. No. 176,592. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTA BARBERS SUPPLY COMPANY, Atlanta, Ga. Filed Feb. 26, 1923.



The picture shown in the drawing is fanciful.

Particular description of goods.—Combination Cold Cream and Face Powder, Deodorant in Cream Form, Shampoo, Cold Cream, Lipstick, Face Powder, Talcum Powder, Perfume, and Eyebrow Pencil.

Claims use since Apr. 1, 1921.

Ser. No. 176,664. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) C. V. & R. BATIGNE, New York, N. Y. Filed Feb. 27, 1923.



Particular description of goods.—Positive Projection Slides and Motion-Picture Films Bearing Matter and Pictures, and Made Photographically or Otherwise and Issued in Series Periodically.

Claims use since April, 1922.

Ser. No. 177,026. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN TRAMSAK, Cleveland, Ohio. Filed Mar. 5, 1923

TRAM-SAK-ERINE

Particular description of goods.—Preparation for the Treatment of Tuberculosis.

Claims use since Jan. 2, 1920.

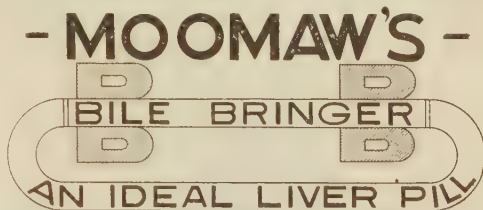
Ser. No. 177,048. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. PERCEVAL, New York, N. Y. Filed Mar. 6, 1923.

Trade-mark consists of the word "Grelons."

Particular description of goods.—Candy.

Claims use since Aug. 1, 1922.

Ser. No. 177,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL M. MOOMAW, Okemah, Okla. Filed Mar. 7, 1923.



THE GENUINE HAS THIS SIGNATURE

Paul M. Moomaw

The lining appearing on the drawing merely represents shading. No claim made to the words "Bile Bringer" and "An Ideal Liver Pill" and the words "The Genuine has This Signature" apart from the mark shown.

Particular description of goods.—Liver Pills.

Claims use since December, 1912.

Ser. No. 177,146. (CLASS 39. CLOTHING.) SUNMAN & HEWSON, Luton, England. Filed Mar. 8, 1923.

SUNSON

Particular description of goods.—Hats for Women and Children.

Claims use since 1922.

Ser. No. 177,266. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LOUIS BESSELL, New York, N. Y. Filed Mar. 12, 1923.

BESSELL-ERS

Particular description of goods.—Earrings, Finger Rings, Pendants, Scarf Pins, Cuff and Collar Buttons, and Lavallières.

Claims use since Feb. 1, 1921.

Ser. No. 177,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CINCINNATI WHOLESALE GROCERY COMPANY, Cincinnati, Ohio. Filed Mar. 13, 1923.

HoneyGrove

Particular description of goods.—Canned Peas and Tomatoes.

Claims use since April, 1922.

Ser. No. 177,374. (CLASS 39. CLOTHING.) GERSON & BREYER, San Francisco, Calif. Filed Mar. 13, 1923.



The lining on the drawing is for shading only. No claim is made to exclusive use of the word "Mills" apart from the mark shown in the drawing.

Particular description of goods.—Men's, Women's, and Children's Hosiery.

Claims use since 1907.

Ser. No. 177,434. (CLASS 39. CLOTHING.) FINERY HOSIERY CORPORATION, New York, N. Y. Filed Mar. 14, 1923.

Coral Band

Particular description of goods.—Hosiery.
Claims use since Mar. 12, 1923.

Ser. No. 177,530. (CLASS 37. PAPER AND STATIONERY.) ARTHUR VOS, New York, N. Y. Filed Mar. 15, 1923.

Old King Tut's Wild Cat.

Particular description of goods.—Paper Weights and Desk Ornaments.
Claims use since Feb. 15, 1923.

Ser. No. 177,536. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING CO. INC., New York, N. Y. Filed Mar. 15, 1923.

COUNTRY CLUB

Trade-mark consists of the words "Country Club."
Particular description of goods.—Cotton Piece Goods.
Claims use since May 2, 1916.

Ser. No. 177,565. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MANNING, MAXWELL & MOORE, INC., New York, N. Y. Filed Mar. 16, 1923.



Particular description of goods.—Copper-Nickel-Alloy Castings.
Claims use since Feb. 19, 1923.

Ser. No. 177,675. (CLASS 39. CLOTHING.) GEO. E. KEITH COMPANY, Brockton, Mass. Filed Mar. 19, 1923.

CELASTIC

Particular description of goods.—Boot and Shoe Tips and Counters.
Claims use since Nov. 11, 1919.

Ser. No. 177,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HYDROX CORPORATION, Wilmington, Del. Filed Mar. 21, 1923.

HYDROX

Particular description of goods.—Ice Cream.
Claims use since 1908.

Ser. No. 177,877. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIVINGSTON SNOW, doing business as Livingston Snow Company, Quitman, Ga. Filed Mar. 22, 1923.



Particular description of goods.—Peanut Butter
Claims use since Mar. 14, 1923.

Ser. No. 177,885. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILSON TEA CO., INC., Seattle, Wash. Filed Mar. 22, 1923.

JAVA MANA

Particular description of goods.—Coffee.
Claims use since Jan. 1, 1923.

Ser. No. 177,909. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, Gloucester, Mass. Filed Mar. 23, 1923.



No exclusive right is claimed to the representation of the fish cakes apart from the other features of the mark.
Particular description of goods.—Potatoes and Salt Fish Combined for Fish Cakes.
Claims use since Nov. 14, 1919.

Ser. No. 177,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, Gloucester, Mass. Filed Mar. 23, 1923.

MOTHER ANN

Particular description of goods.—Salt Codfish.
Claims use since Jan. 17, 1899.

Ser. No. 177,914. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG COMPANY, Battle Creek, Mich. Filed Mar. 23, 1923.

INSTANT COFFEOLA

Particular description of goods.—Coffeelike Beverage.
Claims use since Feb. 6, 1923.

Ser. No. 177,948. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) V. BANOS & CO. INC., Brooklyn, N. Y. Filed Mar. 24, 1923.

VEE BEE

Particular description of goods.—Food Product—to wit, a Compound in Powder Form for Producing Puddings, Pies, Cakes, and Pastries.

Claims use since Dec. 24, 1922.

Ser. No. 177,952. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Mar. 24, 1923.

BRUNSWICK

SEDAN CORD

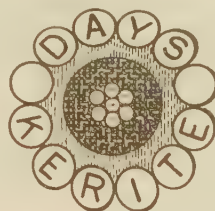


No exclusive claim is made for the word "Cord." The field of the circular figure is red, and the lines and lettering appear thereon in white.

Particular description of goods.—Rubber and Fabric Tires.

Claims use since Mar. 12, 1923.

Ser. No. 178,106. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE KERITE INSULATED WIRE & CABLE COMPANY, INC., Seymour, Conn., and New York, N. Y. Filed Mar. 27, 1923. Under ten-year proviso.



Particular description of goods.—Insulated Wire and Cables.

Claims use since about 1870.

Ser. No. 178,164. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CENTRAL RADIO LABORATORIES, Milwaukee, Wis. Filed Mar. 28, 1923.



Particular description of goods.—Radio Signaling Apparatus and Parts Thereof Comprising Condensers, Grid Leaks, Potentiometers, Rheostats, Detectors, Switch Arms and Levers, Transformers, and Tuners.

Claims use since May 27, 1922.

Ser. No. 178,257. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. D. KENNY COMPANY, Baltimore, Md. Filed Mar. 29, 1923.

MAMMY'S FAVORITE

Particular description of goods.—Coffee.
Claims use since Apr. 21, 1911.

Ser. No. 178,268. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE MONARCH CORPORATION, Pittsburgh, Pa. Filed Mar. 29, 1923.



MONARCH



Particular description of goods.—Dehydrators and Parts of Dehydrators.

Claims use since Oct. 18, 1922.

Ser. No. 178,277. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. M. OWEN, Los Angeles, Calif. Filed Mar. 29, 1923.

7 IN ONE

HOME DENTIST

The words "Home Dentist" are lined to indicate red. *Particular description of goods.*—Tablets, Lotions, Silver-Nitrate Sticks, Capsicum Plasters, Powders, and Pastes for Dental Treatment.

Claims use since Mar. 19, 1923.

Ser. No. 178,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION SUGAR COMPANY, San Francisco, Calif. Filed Mar. 29, 1923.



Particular description of goods.—Beet Sugar, Cane Sugar, and Maple Sugar.

Claims use since Nov. 1, 1921.

Ser. No. 178,356. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PNEULEC MACHINE COMPANY, LIMITED, Birmingham, England. Filed Mar. 30, 1923.

PNEULEC

Particular description of goods.—Molding Machines, Core-Making Machines, Sand Mixing Machines, Sand Conveying and Manipulating Machines, Sand-Drying Machines, Vibrators, Pneumatic Hammers and Chisels, All Being Foundry Machinery or Parts Thereof.

Claims use since August, 1921.

Ser. No. 178,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEVING & COMPANY, INC., St. Louis, Mo. Filed Apr. 2, 1923.

MARATHON

Particular description of goods.—Rennet Extract, Rennet Tablets, and Lactic-Acid Ferment.

Claims use since October, 1922.

Ser. No. 178,572. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden. Filed Apr. 4, 1923.



Particular description of goods.—Springs and Coil Springs, Hot-Rolled and Cold-Drawn Seamless Steel Tubing.

Claims use since Jan. 25, 1888.

Ser. No. 178,598. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DUDLEY LUMBER COMPANY INC., Memphis, Tenn. Filed Apr. 5, 1923.

PALAZOTA

Particular description of goods.—Logs and Rough Lumber.

Claims use since about Jan. 1, 1923.

Ser. No. 178,625. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NORTHERN EQUIPMENT COMPANY, Erie, Pa. Filed Apr. 5, 1923.



Particular description of goods.—Feed-Water Regulators and Pump Governors.

Claims use since Jan. 1, 1918.

Ser. No. 178,629. (CLASS 11. INKS AND INKING MATERIALS.) LEWIS ROBERTS, INC., Newark, N. J. Filed Apr. 5, 1923.

EXPOSITION

Particular description of goods.—Printing Inks.

Claims use since May, 1914.

Ser. No. 178,685. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WARREN PRODUCTS COMPANY, INC., New York, N. Y. Filed Apr. 6, 1923.

WARRENTX

Particular description of goods.—Textile Material Silk, Linen, Wool, Cotton, or Mixture of the Same.

Claims use since about September, 1922.

Ser. No. 178,771. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PROUTY-BOWLER SOAP Co., Des Moines, Iowa. Filed Apr. 7, 1923.

P-B

Particular description of goods.—Soap and Soap Flakes.
Claims use since October, 1922.

Ser. No. 178,821. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAMEL CHEMICAL Co. Inc., Portland, Oreg. Filed Apr. 9, 1923.

CAMEL

Particular description of goods.—Battery Solution.
Claims use since Nov. 6, 1922.

Ser. No. 178,822. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAMEL CHEMICAL Co. Inc., Portland, Oreg. Filed Apr. 9, 1923.



Particular description of goods.—Battery Solution.
Claims use since Nov. 6, 1922.

Ser. No. 178,834. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAROLD C. FLEMING, also doing business as Compyrin Laboratories, Cedar Rapids, Iowa. Filed Apr. 9, 1923.

COMPYRIN

Particular description of goods.—A Medicinal Compound Containing Acetylsalicylic Acid in Liquid Form, Tablet Form, Powder Form, Capsule Form, and in Effervescent Salt Form Used for the Treatment of Colds, Pains, Rheumatism, Headache, Neuralgia, and Local Anæsthetic Afterpain.

Claims use since Jan. 15, 1922.

Ser. No. 178,855. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 9, 1923.

Zenith

Particular description of goods.—Coal and Gas Ranges, Coal, Gas, Wood, and Oil Heaters, Gasoline Cookstove, and Hot-Air Furnaces.

Claims use since Mar. 1, 1923.

Ser. No. 178,874. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCOTT AND TURNER, LIMITED, Newcastle-on-Tyne, England. Filed Apr. 9, 1923. Under ten year proviso.

ANDREWS LIVER SALT

The trade-mark consists of the mere combination of words "Andrews Liver Salt."

Particular description of goods.—Medicated Preparation for Human Use for Liver Ailments.

Claims use since 1894.

Ser. No. 178,883. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SUMMERFIELD COMPANY, Boston, Mass. Filed Apr. 9, 1923.

Brookline Home

Particular description of goods.—Stoves.

Claims use since July 10, 1916.

Ser. No. 178,892. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) L. S. BRACH MANUFACTURING Co., Newark, N. J. Filed Apr. 10, 1923.

PUR-A-TONE

Particular description of goods.—Radio Head Sets, Radiodetectors, Radio Receiving Sets, Radiocrystals, Radio Loud-Speaker Units, Radiocoils, Variometers, Condensers, and Antennas.

Claims use since about Jan. 15, 1922.

Ser. No. 178,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAMILLA PREPARATIONS, INC., New York, N. Y. Filed Apr. 10, 1923.

CAMILLA

Particular description of goods.—Reducing Cream.
Claims use since Feb. 1, 1923.

Ser. No. 178,928. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AARON P. KOTTLER, doing business as Dr. Kottler Laboratories, Chicago, Ill. Filed Apr. 10, 1923.

MOLE-OFF

Particular description of goods.—Chemical Preparation to Remove Skin Blemishes.

Claims use since November, 1921.

Ser. No. 179,012. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RAYWARD ENGINEERING AND MANUFACTURING Co., Philadelphia, Pa. Filed Apr. 11, 1923.

PED-LOC

Particular description of goods.—Mechanical Motive Pedal Control Devices.

Claims use since Jan. 11, 1923.

Ser. No. 179,031. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE COLUMBUS MCKINNON CHAIN COMPANY, Columbus, Ohio. Filed Apr. 12, 1923.

Double Duty

Particular description of goods.—Tire Chains.

Claims use since Jan. 1, 1923.

Ser. No. 179,108. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J. Filed Apr. 13, 1923.

SHEIK

Particular description of goods.—Soaps.

Claims use since Jan. 15, 1923.

Ser. No. 179,125. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CHARLES E. ADAMSON, Wabash, Ind. Filed Apr. 14, 1923.

DISTILGAS

Particular description of goods.—Stoves, Baking and Annealing Ovens, Heaters, Cookstoves, and Furnaces.

Claims use since Jan. 1, 1920.

Ser. No. 179,153. (CLASS 39. CLOTHING.) SIDNEY JAMES KOBLENZER, doing business as M. Koblenzer & Son, New York, N. Y. Filed Apr. 14, 1923.

John Adams

Trade-mark "John Adams," being a former President of the United States.

Particular description of goods.—Work, Negligee, or Dress Shirts; Pyjamas; Men's, Women's, and Children's Textile Underwear; Women's, Men's, and Boys' Hats, Hose, and Shoes of Leather, Fabric, or Combinations Thereof; Collars, and Cravats.

Claims use since Aug. 15, 1921.

Ser. No. 179,162. (CLASS 2. RECEPTACLES.) NEW STANDARD CORPORATION, Mount Joy, Pa. Filed Apr. 14, 1923.

THERMO-KIT

No claim is made to the use of the word "Kit" apart from the remainder of the mark.

Particular description of goods.—Food Receptacles Insulated for Heat Retaining and Cold Preserving.

Claims use since Apr. 5, 1923.

Ser. No. 179,214. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. P. MUNNING & Co., Matawan, N. J. Filed Apr. 16, 1923.



Particular description of goods.—Lime Polishing Compositions Used in the Buffing and Polishing Trade to Produce a Bright Luster on Nickel, Brass, Copper, Bronze, and Materials of Similar Character.

Claims use since October, 1922.

Ser. No. 179,222. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RICHARDSON & BOYNTON Co., New York, N. Y. Filed Apr. 16, 1923. Under ten-year proviso.

PROGRESSIVE

Particular description of goods.—Warm-Air Furnaces.

Claims use since about 1866.

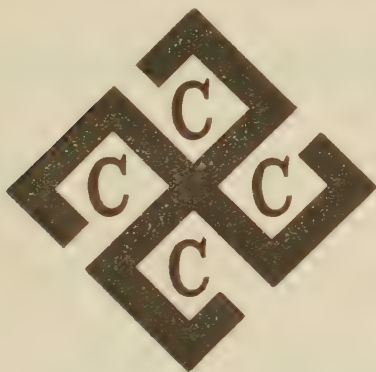
Ser. No. 179,295. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARRY ST. JOHN COOKE, doing business as Presto Fire Extinguisher Company, Beacon, N. Y. Filed Apr. 18, 1923.



Particular description of goods.—Dry-Powder Tube Fire Extinguisher.

Claims use since on or about Apr. 1, 1922.

Ser. No. 179,357. (CLASS 11. INKS AND INKING MATERIALS.) COMMONWEALTH COLOR & CHEMICAL Co., Brooklyn, N. Y. Filed Apr. 19, 1923.



Particular description of goods.—Printing Inks.
Claims use since July 1, 1911.

Ser. No. 179,358. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COMMONWEALTH COLOR AND CHEMICAL Co., Brooklyn, N. Y. Filed Apr. 19, 1923.



Particular description of goods.—Soaps, Cleaning and Scouring Powder.

Claims use since July 1, 1911.

312 O. G.—43

Ser. No. 179,382. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SAVOY WATCH COMPANY, INC., New York, N. Y. Filed Apr. 19, 1923.

HALLMARK

Particular description of goods.—Watch and Clock Movements and Watchcases.

Claims use since January, 1920.

Ser. No. 179,418. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) THE NATIONAL SCREW AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed Apr. 20, 1923.



No claim is made to the word "Reliability."

Particular description of goods.—Electric-Lamp Fixtures, Electric Motors, and Electric Fans.

Claims use since Apr. 4, 1923.

Ser. No. 179,504. (CLASS 15. OILS AND GREASES.) WOLVERINE LUBRICANTS Co. OF NEW YORK, New York, N. Y. Filed Apr. 21, 1923.

No. 8

Particular description of goods.—Lubricating Oils.
Claims use since about January, 1915.

Ser. No. 179,541. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LE ROYE, LTD., Chicago, Ill. Filed Apr. 23, 1923.

LeCURL

Particular description of goods.—Liquid Preparation for Keeping Curl in Hair.

Claims use since Mar. 20, 1923.

Ser. No. 179,558. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ROSEN & LISTENGART, Brooklyn, N. Y. Filed Apr. 23, 1923.

AHRENEL

Trade-mark consists of the word "Ahrenel."
Particular description of goods.—Phonographs and Parts Thereof.
Claims use since Mar. 28, 1923.

Ser. No. 179,574. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. F. WASSERMAN, Memphis, Tenn. Filed Apr. 23, 1923.

Chesterfield

Particular description of goods.—Soap.
Claims use since about Feb. 15, 1922.

Ser. No. 179,665. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOSEPH GOTTLIEB, New York, N. Y. Filed Apr. 25, 1923.

MARCEL

Particular description of goods.—Watches, Watch Movements and Parts Thereof.
Claims use since Dec. 23, 1921.

Ser. No. 179,730. (CLASS 39. CLOTHING.) HUB HOSIERY MILLS, Boston, Mass. Filed Apr. 26, 1923.

Pussy Silverlegs

Particular description of goods.—Infants' Hose.
Claims use since Apr. 20, 1923.

Ser. No. 179,796. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FRED KAUFMAN, New York, N. Y. Filed Apr. 27, 1923.

MANFRED

Trade-mark consists of the word "Manfred."
Particular description of goods.—Watches and Parts Thereof.
Claims use since Mar. 1, 1923.

Ser. No. 179,811. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WM. MONTGOMERY & Co., Philadelphia, Pa. Filed Apr. 27, 1923.

"Montco Brand"

No claim is made to the word "Brand" apart from the mark as shown.

Particular description of goods.—Sarsaparilla, Ginger Ale, Cream Soda, Root Beer, and Grape Juice.

Claims use since Nov. 1, 1906.

Ser. No. 170,838. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) WEST ELECTRIC HAIR CURLER COMPANY, Philadelphia, Pa. Filed Apr. 27, 1923.

EVERY DAY

Particular description of goods.—Hair Nets.
Claims use since Feb. 27, 1923.

Ser. No. 179,843. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE B-X SAW CO., Boston, Mass. Filed Apr. 28, 1923.

THE B-X SAW CO.

Particular description of goods.—Hack Saws.
Claims use since on or about Apr. 11, 1923.

Ser. No. 179,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT LABORATORIES, Chicago, Ill. Filed Apr. 30, 1923.

SUNEX

Particular description of goods.—Preparation for the Prevention and Treatment of Sunburn.

Claims use since June 10, 1922.

Ser. No. 179,929. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DETROIT LUBRICATOR COMPANY, Detroit, Mich. Filed Apr. 30, 1923. Under ten-year proviso.

DETROIT

Particular description of goods.—Metal Valves for Pipe Lines and the Like.

Claims use since about 1894.

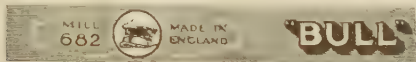
Ser. No. 179,989. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 1, 1923.

REPINGLE

Particular description of goods.—Worsted Yarn Fabric Known in the Textile Industry as "Reps."

Claims use since 1922.

Ser. No. 180,000. (CLASS 37. PAPER AND STATIONERY.) ROBERT FLETCHER & SON LIMITED, Stoneclough, near Manchester, England. Filed May 1, 1923.



Applicant disclaims any right to the exclusive use of the words "Made in England."

Particular description of goods.—Uncut Cigarette Paper.

Claims use since on or about June 6, 1922.

Ser. No. 180,001. (CLASS 37. PAPER AND STATIONERY.) ROBERT FLETCHER & SON LIMITED, Stoneclough, near Manchester, England. Filed May 1, 1923.



Applicant disclaims any right to the exclusive use of the words "Made in England."

Particular description of goods.—Uncut Cigarette Paper.

Claims use since on or about May 10, 1922.

Ser. No. 180,059. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FARBER SILVER CORPORATION, New York, N. Y. Filed May 2, 1923.

FARBESCO

Particular description of goods.—Hollow Ware Consisting of Fruit Bowls, Bonbon Dishes, Cake Dishes, Sandwich Plates, Cheese and Cracker Plates, Casserole Holders, Pie-Plate Holders, Meat Platters, Vegetable Dishes, Flower Baskets, Vases, Boat Vases, Candlesticks, Serving Trays, Salt and Pepper Shakers, Ash Trays, Smoking Stands, Lamp Stands, and Utility Dishes, All Made of or Plated with Precious Metal.

Claims use since about Apr. 2, 1923.

Ser. No. 180,083. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARTHUR N. SANDERSON, West Springfield, Mass. Filed May 2, 1923.



Particular description of goods.—Gold and Silver Polish.
Claims use since Apr. 13, 1923.

Ser. No. 180,133. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LINCOLN RECORD CORPORATION, New York, N. Y. Filed May 3, 1923.



LINCOLN

Particular description of goods.—Phonograph Records.
Claims use since about Mar. 20, 1923.

Ser. No. 180,158. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 3, 1923.

REVELATION

Trade-mark consists of the word "Revelation."

Particular description of goods.—Dental Spotlights and Lamps for the Same.

Claims use since about Aug. 1, 1921.

Ser. No. 180,180. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, New York, N. Y. Filed May 4, 1923.

Little Lady

Particular description of goods.—Mouth Harmonicas.
Claims use since Mar. 16, 1922.

Ser. No. 180,206. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BONDED PRODUCTS CORPORATION, New York, N. Y. Filed May 5, 1923.



Particular description of goods.—Soap and Scouring Compounds.
Claims use since Jan. 15, 1923.

Ser. No. 180,271. (CLASS 39. CLOTHING.) THE COHEN COMPANY, INC., Richmond, Va. Filed May 7, 1923.

Virginia Girl

Trade-mark "Virginia Girl."

Particular description of goods.—Women's Silk Hosiery.

Claims use since May 1, 1922.

Ser. No. 180,293. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) O. & T. ELECTRIC CORPORATION, New York, N. Y. Filed May 7, 1923.

SILVERTONE

Trade-mark consists of the word "Silver-tone."

Particular description of goods.—Radio Detector and Amplifier Tubes.

Claims use since January, 1923.

Ser. No. 180,358. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 9, 1923.

MODELLA

Particular description of goods.—Wool Pile Fabric.

Claims use since 1922.

Ser. No. 180,359. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 9, 1923.

BOLERAS

Particular description of goods.—Brocaded Wool Pile Fabric.

Claims use since 1922.

Ser. No. 180,375. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. KOHNSTAMM & Co., Inc., New York, N. Y. Filed May 9, 1923.

NEUTRACHLOR

Particular description of goods.—Washing Powder for Laundry Purposes.

Claims use since Feb. 8, 1923.

Ser. No. 180,404. (CLASS 15. OILS AND GREASES.) FREDERICK J. ABBOTT, doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Filed May 10, 1923.

MOBILITE

Particular description of goods.—Motor Fuels.

Claims use since Apr. 18, 1923.

Ser. No. 180,417. (CLASS 39. CLOTHING.) CADET KNITTING COMPANY, Philadelphia, Pa. Filed May 10, 1923.

WISKKNIT

Particular description of goods.—Sweater Coats.

Claims use since Jan. 1, 1923.

Ser. No. 180,456. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE TURNER & SEYMOUR MANUFACTURING COMPANY, Torrington, Conn. Filed May 10, 1923.

Trimrod

Particular description of goods.—Metal Curtain Rods.

Claims use since Apr. 19, 1923.

Ser. No. 180,529. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) J. C. DEAGAN, INC., Chicago, Ill. Filed May 12, 1923.

XYLORIMBA

Particular description of goods.—Xylophones.

Claims use since Jan. 10, 1922.

Ser. No. 180,585. (CLASS 39. CLOTHING.) CARLETON DRY GOODS COMPANY, St. Louis, Mo. Filed May 14, 1923.

Alworth

Particular description of goods.—Dress, Negligee, and Work Shirts; Nightgowns and Pyjamas.

Claims use since Apr. 11, 1923.

Ser. No. 180,587. (CLASS 39. CLOTHING.) CARSON
PIRIE SCOTT & COMPANY, Chicago, Ill. Filed May 14,
1923.

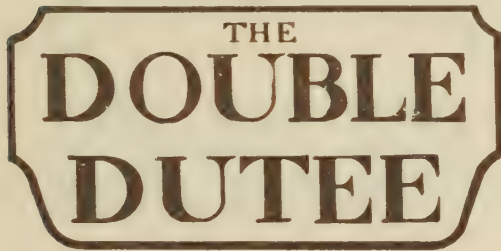


Dainty Maid

Particular description of goods.—Petticoats and
Bloomers.

Claims use since about Dec. 15, 1921.

Ser. No. 180,591. (CLASS 39. CLOTHING.) JOHN
DAVID, New York, N. Y. Filed May 14, 1923.



Particular description of goods.—Men's Suits, Dress
Suits, Tuxedo Suits, Full-Dress Suits; Dinner, Dance,
and Theater Jackets; Raincoats, Overcoats, Coats,
Trousers, Vests, Knickerbockers.

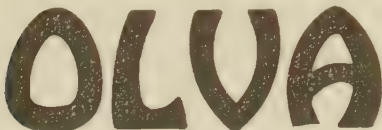
Claims use since Mar. 1, 1923.

Ser. No. 180,603. (CLASS 34. HEATING, LIGHTING,
AND VENTILATING APPARATUS, NOT INCLUDING
ELECTRICAL APPARATUS.) HOWARD STOVE & FUR-
NACE CO., Ralston, Nebr. Filed May 14, 1923.



Particular description of goods.—Heating Furnaces.
Claims use since July 25, 1922.

Ser. No. 180,610. (CLASS 4. ABRASIVE, DETERGENT,
AND POLISHING MATERIALS.) LEVER BROTHERS
COMPANY, Cambridge, Mass. Filed May 14, 1923.



Particular description of goods.—Soap.
Claims use since May 1, 1923.

Ser. No. 180,639. (CLASS 4. ABRASIVE, DETERGENT,
AND POLISHING MATERIALS.) FRED A. WISH, IN-
CORPORATED, New York, N. Y. Filed May 14, 1923.

UNCLE WIGGILY

Particular description of goods.—Bath Soap.
Claims use since Nov. 24, 1922.

Ser. No. 180,642. (CLASS 39. CLOTHING.) FRED A.
WISH, INCORPORATED, New York, N. Y. Filed May 14,
1923.

UNCLE WIGGILY

Particular description of goods.—Hosiery, Sleeping
Garments, Bibs, and Aprons.

Claims use since Aug. 4, 1922.

Ser. No. 180,643. (CLASS 39. CLOTHING.) ZIESER
& KLING, St. Louis, Mo. Filed May 14, 1923.



Particular description of goods.—Ladies' and Misses'
Coats and Suits.

Claims use since April, 1919.

Ser. No. 180,651. (CLASS 34. HEATING, LIGHTING,
AND VENTILATING APPARATUS, NOT INCLUDING
ELECTRICAL APPARATUS.) THE BLOCK GAS
MANTLE COMPANY, Youngstown, Ohio. Filed May 15,
1923.

DAZZELITE

Particular description of goods.—Gas and Gasoline
Mantles.

Claims use since Apr. 16, 1923.

Ser. No. 180,717. (CLASS 37. PAPER AND STATION-
ERY.) NORTHERN PAPER MILLS, Green Bay, Wis.
Filed May 16, 1923.



The bird and words of trade-mark are yellow.
Particular description of goods.—Toilet Paper.
Claims use since Aug. 31, 1921.

Ser. No. 180,751. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SUSANNA COCROFT LABORATORIES INC., New York, N. Y. Filed May 17, 1923.



Particular description of goods.—Soap.
Claims use since about Jan. 12, 1922.

Ser. No. 180,876. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JACOB A. MEINHARDT, doing business as J. A. Meinhardt Company, Chicago, Ill. Filed May 19, 1923.



Particular description of goods.—Mops, Mopsticks, and Bathtub Cleaners.
Claims use since Jan. 2, 1923.

Ser. No. 180,957. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AXxo CHEMICAL Co., New York, N. Y. Filed May 22, 1923.

AXXO

Trade-mark consists of the word "Axxo."
Particular description of goods.—Detergent in the Nature of a Water Softener and Soap.
Claims use since Apr. 24, 1923.

Ser. No. 181,125. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JUSTA Mfg. Co., Hugo, Okla. Filed May 25, 1923.



Particular description of goods.—Washing Compound.
Claims use since Feb. 1, 1923.

Ser. No. 181,135. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed May 25, 1923.

Zenith

Particular description of goods.—Paintbrushes and Shaving Brushes.
Claims use since about Mar. 1, 1923.

Ser. No. 181,156. (CLASS 31. FILTERS AND REFRIGERATORS.) UNIVERSE CORPORATION, Chicago, Ill. Filed May 25, 1923.

POLARIS

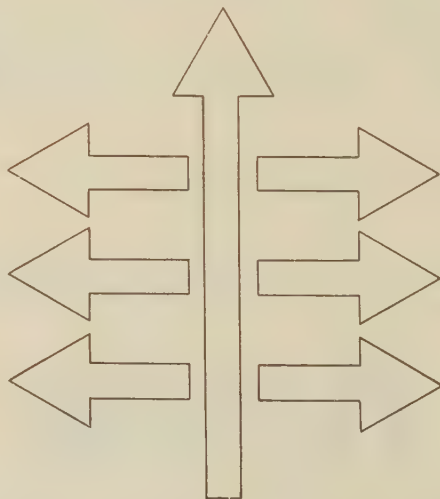
Particular description of goods.—Refrigerators.
Claims use since June 30, 1922.

Ser. No. 181,304. (CLASS 37. PAPER AND STATIONERY.) NEW METHOD DIE & CUT-OUT Co., INC., Boston, Mass. Filed May 28, 1923.



Particular description of goods.—Cardboard Easels for Supporting Advertising Cards.
Claims use since Feb. 15, 1923.

Ser. No. 181,314. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SANFORD RILEY STOKER COMPANY, Worcester, Mass. Filed May 28, 1923.



Particular description of goods.—Underfeed Stokers.
Claims use since Nov. 29, 1922.

Ser. No. 181,327. (CLASS 27. HOROLOGICAL INSTRUMENTS.) A. WITTMAYER Co., New York, N. Y. Filed May 28, 1923.

The Observatory Watch

Trade-mark consists of the words "The Observatory Watch." No claim made to the exclusive use of the word "Watch" apart from the mark as shown on the drawing.

Particular description of goods.—Watches.
Claims use since Apr. 28, 1923.

Ser. No. 181,349. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Filed May 29, 1923.

OCB

Particular description of goods.—Cigarette Paper.
Claims use since May 19, 1923.

Ser. No. 181,380. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE CHORD-UTENSILS CORPORATION OF AMERICA, Orange, N. J. Filed May 31, 1923.

WAND

Particular description of goods.—Dish, Bottle, and Pot Mops.
Claims use since Oct. 26, 1922.

Ser. No. 181,387. (CLASS 37. PAPER AND STATIONERY.) DIAMOND MILLS PAPER COMPANY, New York, N. Y. Filed May 31, 1923. Under ten-year proviso.

Highest Prize Awarded by
the Paris Exposition 1878

BROMO PAPER

A PERFECTLY PURE ARTICLE
FOR THE
WATER CLOSET.

The properties of this paper are such that it is the only paper that can be used in the water closet without causing any odor or stain. It is also the only paper that is not only a positive preservative of the toilet but also a thorough deodorizer and disinfectant of the water closet.

The inventor respectfully recommends this paper as the most thorough and effective toilet paper ever offered to the public.

None genuine without water-mark
"BROMO" in each sheet.

SOLD BY ALL DRUGGISTS

MANUFACTURED ONLY BY
DIAMOND MILLS PAPER COMPANY.
44 MURRAY STREET,
NEW YORK, U. S. A.

Particular description of goods.—Toilet Paper.
Claims use since about Jan. 1, 1873.

Ser. No. 181,397. (CLASS 33. GLASSWARE.) L. J. HOUZE CONVEX GLASS COMPANY, Point Marion, Pa. Filed May 31, 1923.



Particular description of goods.—Sheet Glass.
Claims use since Apr. 15, 1922.

Ser. No. 181,605. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. G. MAXWELL & Co., London, England, and Hawick, Scotland. Filed June 6, 1923.

GOUFBAA

Particular description of goods.—Piece Goods of Wool, Worsted, or Hair.
Claims use since Sept. 29, 1922.

Ser. No. 181,686. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) FIREITE EXTINGUISHER Co., Masontown, Pa. Filed June 8, 1923.

Fireite

Particular description of goods.—Hand Fire Extinguishers.
Claims use since June 5, 1923.

Ser. No. 181,715. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BAIRD-NORTH COMPANY, Providence, R. I. Filed June 9, 1923.

LADY ALTON

Trade-mark consists of the words "Lady Alton."
Particular description of goods.—Watches.
Claims use since Oct. 18, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 24, 1923.

170,696. CEREAL BREAKFAST FOOD. KELLOGG TOASTED CORN FLAKE Co., Battle Creek, Mich.
Filed December 19, 1921. Serial No. 156,905. PUBLISHED MARCH 20, 1923.

170,697. MISCELLANEOUS CEREAL PRODUCTS; BIRD, ANIMAL, AND POULTRY FEED. THE H-O CEREAL COMPANY, INC., Buffalo, N. Y.
Filed November 18, 1921. Serial No. 155,560. PUBLISHED MARCH 20, 1923.

170,698. POWDERED MILK. INTERNATIONAL DRY MILK Co., Minneapolis, Minn.
Filed November 21, 1921. Serial No. 155,689. PUBLISHED APRIL 24, 1923.

170,699. POWDERED MILK. INTERNATIONAL DRY MILK Co., Minneapolis, Minn.
Filed November 21, 1921. Serial No. 155,690. PUBLISHED APRIL 24, 1923.

170,700. POWDERED MILK. INTERNATIONAL DRY MILK Co., Minneapolis, Minn.
Filed November 21, 1921. Serial No. 155,691. PUBLISHED APRIL 24, 1923.

170,701. CANDY, PEANUT BUTTER, PEANUT-BUTTER SANDWICH, PEANUTS, MARSHMALLOW CREAM, POTATO CHIPS, CAKE, AND SALAD DRESSING. LANCE PACKING Co., Charlotte, N. C.
Filed December 13, 1921. Serial No. 156,644. PUBLISHED MARCH 20, 1923.

170,702. SHEETS AND PILLOWCASES. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed July 8, 1921. Serial No. 150,141. PUBLISHED NOVEMBER 8, 1921.

170,703. OLIVE OIL. RAFFAELE MARTORELLI, New York, N. Y.
Filed August 27, 1921. Serial No. 152,269. PUBLISHED MAY 9, 1922.

170,704. COMBINED BOILER AND HEATER OTHER THAN ELECTRICALLY OPERATED. AMERICAN RADIATOR COMPANY, East Orange, N. J., and Chicago, Ill.
Filed October 14, 1921. Serial No. 154,073. PUBLISHED APRIL 24, 1923.

170,705. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. BALLARD & BALLARD Co., Louisville, Ky.
Filed October 14, 1921. Serial No. 154,075. PUBLISHED MARCH 20, 1923.

170,706. MAPLE CREAM, MAPLE SIRUP, MAPLE SUGAR, SAUCE FOR ICE CREAM, AND MAPLE HONEY. MAPLE GROVE CANDIES, INC., St. Johnsbury, Vt.
Filed October 24, 1921. Serial No. 154,522. PUBLISHED APRIL 17, 1923.

170,707. COFFEE. DWINELL-WRIGHT COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,793. PUBLISHED MAY 1, 1923.

170,708. PHONOGRAPH RECORDS. SEARS, ROEBUCK AND COMPANY, New York, N. Y., and Chicago, Ill.
Filed November 23, 1920. Serial No. 140,072. PUBLISHED APRIL 24, 1923.

170,709. SMOKED MEATS. VIRDEN PACKING COMPANY, San Francisco, Calif.
Filed January 12, 1921. Serial No. 142,184. PUBLISHED MAY 8, 1923.

170,710. ICE CREAM AND BUTTER. CAROLINA CREAMERY Co., Asheville, N. C.
Filed June 22, 1921. Serial No. 149,504. PUBLISHED MARCH 20, 1923.

170,711. LIQUID POLISHING COMPOUND FOR CLEANING AND POLISHING AUTOMOBILE BODIES. JAMES H. LAIDLAW, doing business as Marvel-o Manufacturing Co., San Diego, Calif.
Filed June 24, 1921. Serial No. 149,592. PUBLISHED APRIL 24, 1923.

170,712. CURD MEAT FROM THE SOYA. YAMEI KIN, New York, N. Y.
Filed April 15, 1920. Serial No. 131,177. PUBLISHED APRIL 24, 1923.

170,713. A CERTAIN NAMED CHEMICAL PREPARATION. AUGUSTUS PAUL HEINZE, doing business as Motor Kool Co., Detroit, Mich.
Filed October 11, 1920. Serial No. 138,168. PUBLISHED APRIL 24, 1923.

170,714. LUBRICATING OILS AND GREASES, AUTOMOBILE FUEL OILS, AND CUTTING OILS FOR TREATING METALS OF DIFFERENT KINDS. THE OIL AND CHEMICAL CORPORATION, Chicago, Ill.
Filed October 23, 1920. Serial No. 138,722. PUBLISHED APRIL 24, 1923.

170,715. CHAINS FOR PERSONAL ADORNMENT WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL. FORSTNER CHAIN CORPORATION, Irvington, N. J.
Filed November 3, 1920. Serial No. 139,118. PUBLISHED APRIL 24, 1923.

170,716. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, CANVAS, RUBBER, OR TEXTILE MATERIAL. ALFRED HALE RUBBER COMPANY, Quincy, Mass.
Filed December 14, 1922. Serial No. 173,314. PUBLISHED APRIL 24, 1923.

170,717. FABRIC AND LEATHER SHOES FOR MEN, WOMEN, AND CHILDREN. LONDON SHOE Co., INC., New York, N. Y.
Filed December 5, 1922. Serial No. 172,948. PUBLISHED APRIL 24, 1923.

170,718. TOILET WATER. W. J. BUSH & Co., INC., New York, N. Y.
Filed December 11, 1922. Serial No. 173,170. PUBLISHED APRIL 24, 1923.

170,719. TOILET WATER. W. J. BUSH & Co. INC., New York, N. Y.
Filed December 11, 1922. Serial No. 173,171. PUBLISHED APRIL 24, 1923.

170,720. HAIR TONIC AND FIXATIVE. ALFRED J. KRANK, St. Paul, Minn.
Filed December 11, 1922. Serial No. 173,193. PUBLISHED APRIL 24, 1923.

170,721. POLISHES FOR FURNITURE, AUTOMOBILES, AND VARNISHED AND FINISHED SURFACES GENERALLY. OLSON BROTHERS COMPANY, Minneapolis, Minn.
Filed December 11, 1922. Serial No. 173,203. PUBLISHED APRIL 24, 1923.

- 170,722. A CERTAIN NAMED MEDICINAL PREPARATION. EDWARD F. WHITE, doing business as White Products Company, Norfolk, Va.
Filed November 23, 1922. Serial No. 172,459. PUBLISHED APRIL 24, 1923.
- 170,723. ARCH SUPPORTS. FRANCIS ROGERS & SONS, New York, N. Y.
Filed November 25, 1922. Serial No. 172,557. PUBLISHED APRIL 24, 1923.
- 170,724. MEDICINAL PREPARATION RECOMMENDED FOR THE TREATMENT OF AFFECTIONS OF THE THROAT, BRONCHIAL TUBES, AND LUNGS. THE BALSAMEA Co., San Francisco, Calif.
Filed November 29, 1922. Serial No. 172,661. PUBLISHED APRIL 24, 1923.
- 170,725. CHEMICAL USED AS A FLUX FOR THE PREPARATION OF AN ANTIRUSTING SOLDERING SOLUTION. CONSOLVO MANUFACTURING COMPANY, Inc., South Norfolk, Va.
Filed November 29, 1922. Serial No. 172,664. PUBLISHED APRIL 24, 1923.
- 170,726. MEN'S HATS. HUTT & WASSERMAN INC., New York, N. Y.
Filed December 2, 1922. Serial No. 172,837. PUBLISHED APRIL 24, 1923.
- 170,727. CORSETS, GIRDLES, BANDEAUX, AND BRASSIÈRES. OWEGO CORSET COMPANY, INC., Owego, N. Y.
Filed December 4, 1922. Serial No. 172,899. PUBLISHED APRIL 24, 1923.
- 170,728. WOMEN'S SHOES OF LEATHER OR FABRIC OR A COMBINATION THEREOF. CRADDOCK TERRY COMPANY, Lynchburg, Va.
Filed November 13, 1922. Serial No. 171,906. PUBLISHED APRIL 24, 1923.
- 170,729. CERTAIN NAMED CLOTHING. CALHOUN, ROBBINS & Co., New York, N. Y.
Filed November 18, 1922. Serial No. 172,201. PUBLISHED APRIL 24, 1923.
- 170,730. MEN'S WINTER HATS. PARKER-BRIDGET COMPANY, Washington, D. C.
Filed November 18, 1922. Serial No. 172,238. PUBLISHED APRIL 24, 1923.
- 170,731. SHOE HEELS. CHAS. H. COULSON, doing business as Coulson Heel Company, Hanover, Pa.
Filed November 20, 1922. Serial No. 172,262. PUBLISHED APRIL 24, 1923.
- 170,732. CERTAIN NAMED MEDICINAL PREPARATIONS. EMORY J. EVANS, Kenova, W. Va.
Filed November 21, 1922. Serial No. 172,324. PUBLISHED APRIL 24, 1923.
- 170,733. PAINTS OF ALL KINDS, VARNISHES, PAINT OILS, AND QUICK-DRYING OILS. N. V. VERNIS-EN VERFFABRIEK V. H. J. WAGEMAKERS & ZONEN, Breda, Netherlands.
Filed November 22, 1922. Serial No. 172,391. PUBLISHED APRIL 24, 1923.
- 170,734. PIANO-PLAYER ACTIONS. KING PLAYER ACTION COMPANY, INC., New York, N. Y.
Filed November 23, 1922. Serial No. 172,420. PUBLISHED APRIL 24, 1923.
- 170,735. MEDICAL COMPOUNDS PRESCRIBED FOR THE RELIEF OF PAIN AND FOR THE REDUCTION OF TEMPERATURE. FRANCIS L. MCCOLLAM, doing business as Kozol Laboratories, New York, N. Y.
Filed November 23, 1922. Serial No. 172,426. PUBLISHED APRIL 24, 1923.
- 170,736. PETROLEUM PRODUCTS—NAMELY, GASOLINE AND NAPHTHA. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed September 25, 1922. Serial No. 169,934. PUBLISHED MAY 15, 1923.
- 170,737. BOOTS AND SHOES MADE OF LEATHER OR LEATHER AND CLOTH. V. K. & A. H. JONES & THOMAS Co., Lynn, Mass.
Filed December 15, 1922. Serial No. 173,357. PUBLISHED APRIL 24, 1923.
- 170,738. POLISH FOR VARNISHED, ENAMELED, AND LACQUERED SURFACES, WITH INCIDENTAL PROPERTIES AS A CLEANER. JOSEPH JENEN, doing business as The J. J. Company, Chicago, Ill.
Filed January 3, 1923. Serial No. 174,142. PUBLISHED APRIL 24, 1923.
- 170,739. CERTAIN NAMED MEDICINAL PREPARATIONS. WILLIAM WENTWORTH HERRICK, Saratoga Springs, N. Y.
Filed January 5, 1923. Serial No. 174,206. PUBLISHED APRIL 24, 1923.
- 170,740. DEODORANT. JAMES T. GALLAGHER, doing business as Edith Frances, Miami, Fla.
Filed January 6, 1923. Serial No. 174,239. PUBLISHED APRIL 24, 1923.
- 170,741. COMPOUND FOR TREATING RHEUMATISM AND DISEASES OF THE BLOOD. AUGUST G. DE BRULE, doing business as Porcupine Medicine Co., Blewett and Spokane, Wash.
Filed January 8, 1923. Serial No. 174,295. PUBLISHED APRIL 24, 1923.
- 170,742. CERTAIN NAMED PIECE GOODS. TRAVIS, ROMAINE & JELLE, INC., New York, N. Y.
Filed January 12, 1923. Serial No. 174,545. PUBLISHED APRIL 24, 1923.
- 170,743. GOATSKINS, COLT AND HORSE HIDES, KIPS, AND COW SIDES. CHARLES A. REYNOLDS, doing business as C. A. Reynolds Leather Company, Camden, N. J.
Filed January 13, 1923. Serial No. 174,592. PUBLISHED APRIL 24, 1923.
- 170,744. MOUTH WASH AND A REMEDY FOR PYORRHEA. HOM-PYRRHO Co., San Francisco, Calif.
Filed January 15, 1923. Serial No. 174,626. PUBLISHED APRIL 24, 1923.
- 170,745. VANISHING AND MASSAGE CREAM. A. J. KRANK MFG. Co., St. Paul, Minn.
Filed December 18, 1922. Serial No. 173,500. PUBLISHED APRIL 24, 1923.
- 170,746. SALTED PEANUTS AND SALTED ALMONDS. HUNTINGTON D. SAWKINS, Baltimore, Md.
Filed December 19, 1922. Serial No. 173,580. PUBLISHED APRIL 24, 1923.
- 170,747. CANDIES. D. AUERBACH & Sons, New York, N. Y.
Filed December 23, 1922. Serial No. 173,737. PUBLISHED APRIL 24, 1923.
- 170,748. MEN'S AND BOYS' HATS AND CAPS. CHARLES S. MERTON & Co., East Rutherford, N. J.
Filed December 23, 1922. Serial No. 173,778. PUBLISHED APRIL 24, 1923.
- 170,749. OINTMENT. THE LYNDON CHEMICAL COMPANY, Dayton, Ohio.
Filed January 2, 1923. Serial No. 174,088. PUBLISHED APRIL 24, 1923.
- 170,750. OINTMENT. THE LYNDON CHEMICAL COMPANY, Dayton, Ohio.
Filed January 2, 1923. Serial No. 174,089. PUBLISHED APRIL 24, 1923.
- 170,751. CHEMICAL COMPOUND FOR ETCHING GLASS. MCKAY COMPANY, New York, N. Y.
Filed January 2, 1923. Serial No. 174,091. PUBLISHED APRIL 24, 1923.
- 170,752. INSECTICIDE FOR USE IN EXTERMINATING RODENTS AND INSECTS. GEORGE W. ROLLER, Spokane, Wash.
Filed December 15, 1922. Serial No. 173,364. PUBLISHED APRIL 24, 1923.

170,753. INSECTICIDE FOR USE IN EXTERMINATING RODENTS, GROUND-BURROWING ANIMALS, SUCH AS SQUIRRELS AND THE LIKE. JOSEPH J. SELDAGE, Spokane, Wash.

Filed December 15, 1922. Serial No. 173,366. PUBLISHED APRIL 24, 1923.

170,754. CHOCOLATES. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J.

Filed December 16, 1922. Serial No. 173,417. PUBLISHED APRIL 24, 1923.

170,755. NAIL POLISH. HENRY L. HUGHES CO. INC., New York, N. Y.

Filed December 18, 1922. Serial No. 173,497. PUBLISHED APRIL 24, 1923.

170,756. BLUING PADDLES. FREDRICK G. MITCHELL, doing business as L. Mitchell & Company, Chicago, Ill.

Filed December 14, 1922. Serial No. 173,334. PUBLISHED APRIL 24, 1923.

170,757. CARBON BLACK. GODFREY L. CABOT, INC., Boston, Mass.

Filed February 15, 1923. Serial No. 176,071. PUBLISHED APRIL 24, 1923.

170,758. SHOES MADE WHOLLY OR IN PART OF LEATHER. VAUGHAN-TOWLE Co., Lynn, Mass.

Filed February 19, 1923. Serial No. 176,300. PUBLISHED APRIL 24, 1923.

170,759. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLED CANVAS SHOES. HOOD RUBBER COMPANY, Watertown, Mass.

Filed February 20, 1923. Serial No. 176,344. PUBLISHED APRIL 24, 1923.

170,760. FURNITURE POLISH. W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y.

Filed February 21, 1923. Serial No. 176,405. PUBLISHED APRIL 24, 1923.

170,761. FIBER BOXES. IOWA FIBER BOX COMPANY, Keokuk, Iowa.

Filed February 23, 1923. Serial No. 176,475. PUBLISHED APRIL 10, 1923.

170,762. WOMEN'S SANDALS OF LEATHER AND TEXTILE MATERIAL. HARRY E. ADAMS, Haverhill, Mass.

Filed February 28, 1923. Serial No. 176,705. PUBLISHED APRIL 24, 1923.

170,763. WOMEN'S SANDALS OF LEATHER AND TEXTILE MATERIAL. HARRY E. ADAMS, Haverhill, Mass.

Filed February 28, 1923. Serial No. 176,706. PUBLISHED APRIL 24, 1923.

170,764. WOMEN'S SANDALS OF LEATHER AND TEXTILE MATERIAL. HARRY E. ADAMS, Haverhill, Mass.

Filed February 28, 1923. Serial No. 176,707. PUBLISHED APRIL 24, 1923.

170,765. WOMEN'S SANDALS OF LEATHER AND TEXTILE MATERIAL. HARRY E. ADAMS, Haverhill, Mass.

Filed February 28, 1923. Serial No. 176,708. PUBLISHED APRIL 24, 1923.

170,766. CANDLES. GLISTRIDIS, FROSSO & Co., New York, N. Y.

Filed March 9, 1923. Serial No. 177,183. PUBLISHED APRIL 24, 1923.

170,767. PAPER CANS. THE NATIONAL PAPER CAN COMPANY, Milwaukee, Wis.

Filed March 12, 1923. Serial No. 177,317. PUBLISHED APRIL 24, 1923.

170,768. LIQUID AND PASTE PAINTS. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.

Filed March 14, 1923. Serial No. 177,451. PUBLISHED APRIL 24, 1923.

170,769. VANITY CASES AND LADIES' HAND BAGS. RITTER BROTHERS, New York, N. Y.

Filed March 15, 1923. Serial No. 177,517. PUBLISHED APRIL 24, 1923.

170,770. VARNISHES. BERRY BROTHERS, Detroit, Mich.

Filed March 19, 1923. Serial No. 177,647. PUBLISHED APRIL 24, 1923.

170,771. CARBON BLACK. GODFREY L. CABOT, INC., Boston, Mass.

Filed February 15, 1923. Serial No. 176,070. PUBLISHED APRIL 24, 1923.

170,772. PIPES AND PIPE PARTS AND CIGAR AND CIGARETTE HOLDERS. GENERAL BAKELITE COMPANY, Perth Amboy, N. J.

Filed February 6, 1923. Serial No. 175,601. PUBLISHED APRIL 24, 1923.

170,773. WARDROBE TRUNKS. NEW PROCESS COMPANY, Warren Pa.

Filed February 6, 1923. Serial No. 175,620. PUBLISHED APRIL 24, 1923.

170,774. TEXTILE RUGS. KENT-COSTIKYAN TRADING COMPANY INC., New York, N. Y.

Filed February 7, 1923. Serial No. 175,661. PUBLISHED APRIL 24, 1923.

170,775. BOTTLE CONTAINERS OR CASES, THE CONTAINERS BEING PREFERABLY MADE OF WOOD OR METAL. THE DEFIANCE PRESSED STEEL COMPANY, Defiance, Ohio.

Filed February 8, 1923. Serial No. 175,714. PUBLISHED APRIL 24, 1923.

170,776. MOTION PICTURES. ASSOCIATED EXHIBITORS INC., Dover, Del., and New York, N. Y.

Filed February 9, 1923. Serial No. 175,759. PUBLISHED APRIL 24, 1923.

170,777. RIBBONS BY THE YARD AND IN THE PIECE. WERTHEIMER BROTHERS, New York, N. Y.

Filed February 14, 1923. Serial No. 176,052. PUBLISHED APRIL 24, 1923.

170,778. CARBON BLACK. GODFREY L. CABOT, INC., Boston, Mass.

Filed February 15, 1923. Serial No. 176,067. PUBLISHED APRIL 24, 1923.

170,779. CARBON BLACK. GODFREY L. CABOT, INC., Boston, Mass.

Filed February 15, 1923. Serial No. 176,069. PUBLISHED APRIL 24, 1923.

170,780. WOOL, WOOL AND COTTON MIXED, AND COTTON BLANKETS. O. A. HALE & Co., San Jose, Calif.

Filed January 17, 1923. Serial No. 174,693. PUBLISHED APRIL 24, 1923.

170,781. TOILET POWDER. OLIVETTE LABORATORIES, Inc., Providence, R. I.

Filed January 17, 1923. Serial No. 174,700. PUBLISHED APRIL 24, 1923.

170,782. HAIR TONIC. WOMBLE CHEMICAL COMPANY, Womble, Ark.

Filed January 17, 1923. Serial No. 174,714. PUBLISHED APRIL 24, 1923.

170,783. PERFUMES. AGRA COMPANY, Detroit, Mich.

Filed January 19, 1923. Serial No. 174,762. PUBLISHED APRIL 24, 1923.

170,784. PAINTS, PARTICULARLY PASTE AND READY-MIXED PAINTS. AMERICAN MARINE PAINT COMPANY, INC., New York, N. Y.

Filed January 24, 1923. Serial No. 174,987. PUBLISHED APRIL 24, 1923.

170,785. FLOWER SEEDS. W. ATLEE BURPEE Co., Philadelphia, Pa.

Filed January 25, 1923. Serial No. 175,066. PUBLISHED APRIL 24, 1923.

- 170,786. VEGETABLE, FLOWER, AND LAWN-GRASS SEEDS AND BULBS. W. ATLEE BURPEE Co., Philadelphia, Pa.
Filed January 25, 1923. Serial No. 175,067. PUBLISHED APRIL 24, 1923.
- 170,787. LADIES' HAND BAGS AND POCKETBOOKS OF MATERIAL OTHER THAN OF PRECIOUS METAL. JOHN CYGANIEWICZ, Chicago, Ill.
Filed January 25, 1923. Serial No. 175,071. PUBLISHED APRIL 24, 1923.
- 170,788. COTTON PIECE GOODS. JOHN HALL MARX Co., New York, N. Y.
Filed January 30, 1923. Serial No. 175,302. PUBLISHED APRIL 24, 1923.
- 170,789. COTTON PIECE GOODS. HUNTER MANUFACTURING & COMMISSION Co., New York, N. Y.
Filed January 30, 1923. Serial No. 175,314. PUBLISHED APRIL 24, 1923.
- 170,790. LACQUER COMPOSITIONS. WILLIAM H. SCHEEL, New York, N. Y.
Filed January 30, 1923. Serial No. 175,326. PUBLISHED APRIL 24, 1923.
- 170,791. WHEAT FLOUR. LAWRENCEBURG ROLLER MILLS Co., Lawrenceburg, Ind.
Filed October 16, 1922. Serial No. 170,774. PUBLISHED MARCH 13, 1923.
- 170,792. COCOA, TEA, AND RICE. OLD DUTCH MILLS, Inc., New York, N. Y.
Filed October 11, 1922. Serial No. 170,594. PUBLISHED MARCH 13, 1923.
- 170,793. WHEAT FLOUR. WASHBURN-CROSBY COMPANY, Minneapolis, Minn.
Filed October 9, 1922. Serial No. 170,513. PUBLISHED MARCH 13, 1923.
- 170,794. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 21, 1922. Serial No. 169,794. PUBLISHED FEBRUARY 27, 1923.
- 170,795. CHEESES. C. PERCEVAL, New York, N. Y.
Filed September 22, 1922. Serial No. 169,821. PUBLISHED FEBRUARY 27, 1923.
- 170,796. BREAKFAST CEREAL. WILLIAM B. FINK, Detroit, Mich.
Filed September 27, 1922. Serial No. 169,968. PUBLISHED FEBRUARY 27, 1923.
- 170,797. CRACKER PRODUCTS, CRACKERS, CAKES, AND DUTCH STYLE COOKIES. THE W. R. MONTAGUE COMPANY, La Crosse, Wis.
Filed September 29, 1922. Serial No. 170,076. PUBLISHED APRIL 3, 1923.
- 170,798. OLEOMARGARINE. MORRIS & COMPANY, Chicago, Ill.
Filed October 7, 1922. Serial No. 170,443. PUBLISHED MARCH 13, 1923.
- 170,799. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,382. PUBLISHED FEBRUARY 27, 1923.
- 170,800. BREAD AND CEREAL BREAKFAST FOODS. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,383. PUBLISHED MARCH 27, 1923.
- 170,801. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,384. PUBLISHED MARCH 27, 1923.
- 170,802. PASTRIES. PY-ET COMPANY, Seattle, Wash.
Filed September 14, 1922. Serial No. 169,456. PUBLISHED FEBRUARY 27, 1923.
- 170,803. CEREALS MADE FROM WHEAT BRAN, HONEY, AND SALT. KEVIL CEREAL COMPANY, Princeton, Ky.
Filed September 16, 1922. Serial No. 169,550. PUBLISHED FEBRUARY 27, 1923.
- 170,804. BREAD. LOUIS B. FELLNER, Belleville, Ill.
Filed September 18, 1922. Serial No. 169,579. PUBLISHED APRIL 3, 1923.
- 170,805. CAKE AND PASTRY MIXTURE. S. W. NOGGLE, doing business as The S. W. Noggle Company, Kansas City, Mo.
Filed September 21, 1922. Serial No. 169,773. PUBLISHED FEBRUARY 27, 1923.
- 170,806. WHEAT FLOUR. WABASHA ROLLER MILL COMPANY, Wabasha, Minn.
Filed September 21, 1922. Serial No. 169,793. PUBLISHED FEBRUARY 27, 1923.
- 170,807. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans., and Kansas City, Mo.
Filed November 2, 1922. Serial No. 171,502. PUBLISHED MARCH 13, 1923.
- 170,808. BREAD. TIP TOP BAKING Co., Louisville, Ky.
Filed November 3, 1922. Serial No. 171,558. PUBLISHED MARCH 13, 1923.
- 170,809. BUTTER. IOLA CREAMERY COMPANY, Iola, Kans.
Filed November 9, 1922. Serial No. 171,759. PUBLISHED MARCH 13, 1923.
- 170,810. BIRD FOOD. C. C. MORSE AND Co., San Francisco, Calif.
Filed November 13, 1922. Serial No. 171,943. PUBLISHED MARCH 20, 1923.
- 170,811. SELF RISING WHEAT FLOUR. S. R. YANTIS MILLING Co., Fulton, Mo.
Filed September 2, 1922. Serial No. 169,042. PUBLISHED MARCH 20, 1923.
- 170,812. WHEAT FLOUR. J. S. BLACK, Kansas City, Mo.
Filed September 5, 1922. Serial No. 169,048. PUBLISHED MARCH 27, 1923.
- 170,813. STOCK, DAIRY, POULTRY, CATTLE, AND HOG FEED AND WHEAT FLOUR. WHYTE COMMISSION COMPANY, Pine Bluff, Ark.
Filed September 5, 1922. Serial No. 169,107. PUBLISHED MARCH 27, 1923.
- 170,814. MIXED GRADE OF MILL FEED. THE MIDLAND FLOUR MILLING Co., Kansas City, Mo.
Filed September 12, 1922. Serial No. 169,369. PUBLISHED FEBRUARY 27, 1923.
- 170,815. ALKALINE SALTS. ABEL-JENSEN LABORATORIES, Chicago, Ill.
Filed November 13, 1922. Serial No. 171,884. PUBLISHED APRIL 24, 1923.
- 170,816. A SUGAR PRODUCT CONTAINING WATER-SOLUBLE VITAMINES. WARD BAKING COMPANY, New York, N. Y.
Filed October 19, 1922. Serial No. 170,960. PUBLISHED MARCH 13, 1923.
- 170,817. PHONOGRAPH ACCESSORIES. FRANK R. WITMAN, doing business as Frank R. Witman Phonograph Supply Company, Putnam, Conn.
Filed October 19, 1922. Serial No. 170,964. PUBLISHED APRIL 24, 1923.
- 170,818. INSECTICIDES, DISINFECTANTS, AND DEODORIZERS. THE KILZOL PRODUCTS COMPANY, New York, N. Y.
Filed October 27, 1922. Serial No. 171,274. PUBLISHED APRIL 24, 1923.
- 170,819. TONIC FOR THE NERVOUS SYSTEM. EDNA G. TWOMBLY, administratrix of the estate of the late Doctor James Twombly, Stoughton, Mass.
Filed October 28, 1922. Serial No. 171,341. PUBLISHED APRIL 24, 1923.
- 170,820. HATS FOR MEN, WOMEN, AND CHILDREN. KNOX HAT COMPANY, INC., New York, N. Y.
Filed November 10, 1922. Serial No. 171,806. PUBLISHED APRIL 24, 1923.

170,821. GENERATORS FOR PRODUCING GAS, GAS CARTRIDGES AND PARTS THEREOF, GAS WELDING AND CUTTING TORCHES, COMPOUND AND INGREDIENTS FOR PRODUCING OXYACETYLENE GAS, GAS COOKING STOVES. THERMALENE GAS CORPORATION, Kankakee, Ill.

Filed November 10, 1922. Serial No. 171,823. PUBLISHED APRIL 24, 1923.

170,822. SWISS CHEESE. ALPINA CHEESE CO., Burgdorf, Switzerland.

Filed September 30, 1922. Serial No. 170,113. PUBLISHED MARCH 20, 1923.

170,823. CANNED SAUERKRAUT. CASTLE COMPANY, Lyons, N. Y.

Filed October 4, 1922. Serial No. 170,273. PUBLISHED MAY 8, 1923.

170,824. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.

Filed October 6, 1922. Serial No. 170,380. PUBLISHED APRIL 24, 1923.

170,825. COMBINED PUMP AND FAN ATTACHMENT FOR AUTOMOBILES. S & G MANUFACTURING COMPANY, Stockton, Calif.

Filed October 9, 1922. Serial No. 170,508. PUBLISHED APRIL 24, 1923.

170,826. BRASSIÈRES. BENJAMIN & JONES, Newark, N. J.

Filed October 18, 1922. Serial No. 170,861. PUBLISHED APRIL 24, 1923.

170,827. CHEESE. F. X. BAUMERT & Co. INC., New York, N. Y.

Filed September 21, 1922. Serial No. 169,746. PUBLISHED FEBRUARY 27, 1923.

170,828. CHEESE AND MINCEMEAT. C. PERCEVAL, New York, N. Y.

Filed September 22, 1922. Serial No. 169,820. PUBLISHED FEBRUARY 27, 1923.

170,829. FLAKE LYE. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y.

Filed September 25, 1922. Serial No. 169,918. PUBLISHED APRIL 24, 1923.

170,830. A CERTAIN NAMED MEDICINAL PREPARATION. JOHN BAALMANN, San Francisco, Calif.

Filed September 27, 1922. Serial No. 169,996. PUBLISHED APRIL 24, 1923.

170,831. CANNED FRUITS AND CANNED VEGETABLES. GRIFFITH-DURNEY Co., San Francisco, Calif.

Filed September 28, 1922. Serial No. 170,016. PUBLISHED MAY 8, 1923.

170,832. CORN FLAKES. FAVORITE CEREALS COMPANY, Minneapolis, Minn.

Filed September 29, 1922. Serial No. 170,058. PUBLISHED FEBRUARY 27, 1923.

170,833. WHEAT FLOUR. PFEFFER MILLING COMPANY, Lebanon, Ill.

Filed September 29, 1922. Serial No. 170,080. PUBLISHED FEBRUARY 27, 1923.

170,834. SWISS CHEESE. ALPINA CHEESE CO., Burgdorf, Switzerland.

Filed September 30, 1922. Serial No. 170,110. PUBLISHED MARCH 20, 1923.

170,835. HEN FOOD, EGG MASH, CHICK FOOD, AND CHICK MASH. BOWMAN BROS. SEED CO., Concordia, Kans.

Filed April 20, 1922. Serial No. 162,658. PUBLISHED MARCH 20, 1923.

170,836. FRENCH PASTRY, MACAROONS, AND CAKES COVERED WITH ICING, CHOCOLATE, AND CONTAINING WHIPPED CREAM. VICTORIA PASTRY CO., San Francisco, Calif.

Filed January 3, 1922. Serial No. 157,457. PUBLISHED MARCH 27, 1923.

170,837. BREAD AND DOUGHNUTS. AUGUST J. BECKER, doing business as Becker's Bakery, Red Wing, Minn.

Filed March 22, 1922. Serial No. 161,022. PUBLISHED MARCH 27, 1923.

170,838. BREAD. THE OLD HOMESTEAD BREAD COMPANY, Denver, Colo.

Filed February 28, 1922. Serial No. 159,978. PUBLISHED APRIL 3, 1923.

170,839. WHEAT FLOUR. HANSON MILLING COMPANY, Ashland, Wis.

Filed April 7, 1922. Serial No. 161,881. PUBLISHED APRIL 3, 1923.

170,840. CANDY. U. R. S. CANDY STORES, INC., also doing business as United Happiness Candy Stores, Long Island City, N. Y.

Filed March 22, 1922. Serial No. 161,072. PUBLISHED DECEMBER 26, 1922.

170,841. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans., and Kansas City, Mo.

Filed April 17, 1922. Serial No. 162,426. PUBLISHED MARCH 20, 1923.

170,842. WHEAT FLOUR. THE RUGBY MILLING COMPANY, Rugby, N. Dak.

Filed April 10, 1922. Serial No. 162,055. PUBLISHED MARCH 20, 1923.

170,843. BIRDS' FOOD. JAMES BUTLER GROCERY COMPANY, New York, N. Y.

Filed May 6, 1922. Serial No. 163,430. PUBLISHED APRIL 3, 1923.

170,844. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR CO., Denver, also doing business as The Ft. Collins Flour Mills, Fort Collins, Colo.

Filed May 3, 1922. Serial No. 163,258. PUBLISHED MARCH 27, 1923.

170,845. WHEAT FLOUR, CORN MEAL, AND GRAHAM FLOUR. BOONVILLE MILLS COMPANY, Boonville, Mo.

Filed April 26, 1922. Serial No. 162,912. PUBLISHED MARCH 20, 1923.

170,846. ICE CREAM. CITY DAIRY AND ICE CREAM CO., St. Joseph, Mo.

Filed June 9, 1922. Serial No. 165,229. PUBLISHED MARCH 20, 1923.

170,847. MISCELLANEOUS GROCERIES. THE HIGGINS-BABCOCK-HURD COMPANY, Cleveland, Ohio.

Filed June 7, 1922. Serial No. 165,134. PUBLISHED MARCH 27, 1923.

170,848. MISCELLANEOUS GROCERIES. CALADERO PRODUCTS COMPANY, Atascadero, Calif.

Filed May 31, 1922. Serial No. 164,695. PUBLISHED MARCH 27, 1923.

170,849. WHEAT FLOUR MADE FROM CEREALS. JOHN W. RUSSELL, Bryan, Ohio.

Filed May 19, 1922. Serial No. 164,116. PUBLISHED MARCH 20, 1923.

170,850. CHEESE. ANNA HUSS, Menlo Park, Calif.

Filed May 15, 1922. Serial No. 163,873. PUBLISHED MARCH 20, 1923.

170,851. DAIRY FEED. AMERICAN MILLING COMPANY, Peoria, Ill.

Filed May 15, 1922. Serial No. 163,848. PUBLISHED APRIL 3, 1923.

170,852. DAIRY PRODUCTS—NAMELY, BUTTER, EVAPORATED MILK, MAYONNAISE, OLEO-MARGARINE, CHEESE, PEANUT BUTTER, LARD, EGGS. THE F. A. HOFFMAN CO., Cleveland, Ohio.

Filed May 13, 1922. Serial No. 163,798. PUBLISHED MARCH 27, 1923.

170,853. CORN FLAKES. POSTUM CEREAL COMPANY, INCORPORATED, Battle Creek, Mich.

Filed May 12, 1922. Serial No. 163,763. PUBLISHED FEBRUARY 13, 1923.

- 170,854. FOODS FOR CATTLE, HORSES, SHEEP, PIGS, AND POULTRY. THE ALGIN COMPANY, LIMITED, Penzance, England.
Filed May 11, 1922. Serial No. 163,661. PUBLISHED MARCH 20, 1923.
- 170,855. POULTRY FEEDS. THE H-O CEREAL COMPANY, INC., Buffalo, N. Y.
Filed September 1, 1922. Serial No. 168,968. PUBLISHED MARCH 20, 1923.
- 170,856. CHEESE. THE MACLEAY ESTATE Co., Portland, Oreg.
Filed August 28, 1922. Serial No. 168,772. PUBLISHED MARCH 20, 1923.
- 170,857. WHEAT FLOUR. SANDS, TAYLOR & WOOD Co., Boston, Mass.
Filed August 21, 1922. Serial No. 168,556. PUBLISHED MARCH 20, 1923.
- 170,858. WHEAT FLOUR. SANDS, TAYLOR & WOOD Co., Boston, Mass.
Filed August 21, 1922. Serial No. 168,555. PUBLISHED MARCH 20, 1923.
- 170,859. COFFEE, TEA, SPICES, AND FLAVORING EXTRACTS FOR FOODS. OLSON COFFEE Co., Omaha, Nebr.
Filed August 21, 1922. Serial No. 168,546. PUBLISHED APRIL 17, 1923.
- 170,860. PREPARED NUT FOOD. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed August 21, 1922. Serial No. 168,509. PUBLISHED MARCH 27, 1923.
- 170,861. FROZEN FRUITS AND ICE CREAM. WILLIAM A. DAVIS, doing business as Wm. A. Davis Co., Temple, Tex.
Filed August 3, 1922. Serial No. 167,767. PUBLISHED APRIL 24, 1923.
- 170,862. CHEESE. HOLLAND FOOD CORPORATION, New York, N. Y.
Filed July 31, 1922. Serial No. 167,617. PUBLISHED MARCH 20, 1923.
- 170,863. WHEAT FLOUR. NOBLESVILLE MILLING Co., Noblesville, Ind.
Filed July 28, 1922. Serial No. 167,531. PUBLISHED MARCH 20, 1923.
- 170,864. BREAKFAST CEREAL. HENRY F. PAETSCH, Pasadena, Calif.
Filed July 27, 1922. Serial No. 167,486. PUBLISHED MARCH 20, 1923.
- 170,865. HARD-WHEAT FLOUR, SOFT-WHEAT FLOUR, AND SELF-RISING FLOUR. UNITED STATES FLOUR MILLS COMPANY, New Orleans, La.
Filed July 26, 1922. Serial No. 167,437. PUBLISHED MARCH 20, 1923.
- 170,866. HARD-WHEAT FLOUR, SOFT-WHEAT FLOUR, AND SELF-RISING FLOUR. UNITED STATES FLOUR MILLS COMPANY, New Orleans, La.
Filed July 26, 1922. Serial No. 167,436. PUBLISHED MARCH 20, 1923.
- 170,867. BRAN BISCUITS. SPONGETTE PURE FOOD COMPANY, Wilmington, Del., and Pittsburgh, Pa.
Filed July 14, 1922. Serial No. 166,909. PUBLISHED MARCH 27, 1923.
- 170,868. FROZEN CONFECTIONS. ELITE CONFECTIONERY Co., El Paso, Tex.
Filed July 10, 1922. Serial No. 166,664. PUBLISHED JANUARY 16, 1923.
- 170,869. FROZEN CONFECTIONS. ELITE CONFECTIONERY Co., El Paso, Tex.
Filed July 10, 1922. Serial No. 166,663. PUBLISHED JANUARY 23, 1923.
- 170,870. STOCK AND POULTRY FEED. MILLER-MCCONNEL GRAIN Co., Kansas City, Kans.
Filed July 3, 1922. Serial No. 166,465. PUBLISHED MARCH 20, 1923.
- 170,871. BUTTER, EGGS, CHEESE, LARD, MAPLE SUGAR, MAPLE SIRUP, PEANUT BUTTER. VERMONT CREAMERY, INCORPORATED, Pawtucket, R. I.
Filed June 22, 1922. Serial No. 165,903. PUBLISHED MARCH 27, 1923.
- 170,872. OLIVE OIL. MAILLIARD & SCHMIEDELL, San Francisco, Calif.
Filed June 21, 1922. Serial No. 165,801. PUBLISHED APRIL 24, 1923.
- 170,873. PRETZELS. THOMAS A. MYERS, doing business as Ye Olde Tyme Hard and Soft Pretzel Shop, York, Pa.
Filed June 14, 1922. Serial No. 165,502. PUBLISHED APRIL 3, 1923.
- 170,874. CLOTHING—NAMELY, LEATHER SHOES. THE MENIHAN COMPANY, Rochester, N. Y.
Filed February 2, 1922. Serial No. 158,787. PUBLISHED APRIL 24, 1923.
- 170,875. LEATHER SHOES. JOHN MEIER SHOE COMPANY, St. Louis, Mo.
Filed February 1, 1922. Serial No. 158,722. PUBLISHED APRIL 24, 1923.
- 170,876. BREAKFAST CEREALS. FRED. C. GILLITT, doing business as C-O-D Cereal Co., St. Paul, Minn.
Filed January 23, 1922. Serial No. 158,309. PUBLISHED MARCH 20, 1923.
- 170,877. CEREAL BREAKFAST FOODS. SIX IN ONE CEREAL Co., Hinckley, Ill.
Filed January 13, 1922. Serial No. 157,903. PUBLISHED MARCH 20, 1923.
- 170,878. COTTON PILE CLOTH IN THE PIECE. JOHN S. BOYD COMPANY INC., Williamstown, Mass.
Filed January 12, 1922. Serial No. 157,827. PUBLISHED MAY 1, 1923.
- 170,879. SHEET PAPER FOR PRINTING AND WRITING. THE TRIBUNE COMPANY, Chicago, Ill.
Filed January 6, 1922. Serial No. 157,592. PUBLISHED JULY 18, 1922.
- 170,880. WOMEN'S OUTER CLOTHING COMPRISING SHIRTS, TROUSERS, AND JACKETS. MANNING PHILLIPS, doing business as I. & M. Phillips, New York, N. Y.
Filed January 6, 1922. Serial No. 157,581. PUBLISHED APRIL 24, 1923.
- 170,881. PAINTS, VARNISHES, AND ENAMELS. HILL-HUBBELL AND COMPANY, San Francisco, Calif.
Filed January 3, 1922. Serial No. 157,426. PUBLISHED MARCH 20, 1923.
- 170,882. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed December 30, 1921. Serial No. 157,295. PUBLISHED MARCH 20, 1923.
- 170,883. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed February 9, 1922. Serial No. 159,080. PUBLISHED MARCH 20, 1923.
- 170,884. WHEAT FLOUR—NAMELY, A PREPARED FLOUR CONTAINING WHEAT FLOUR, BRAN, SUGAR, AND SALT. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed February 9, 1922. Serial No. 159,079. PUBLISHED MARCH 20, 1923.
- 170,885. CLOTHING—NAMELY, LEATHER SHOES. THE MENIHAN COMPANY, Rochester, N. Y.
Filed February 2, 1922. Serial No. 158,788. PUBLISHED APRIL 24, 1923.
- 170,886. COFFEE. J. S. ELLIOTT COFFEE COMPANY, Newville, Pa.
Filed February 24, 1922. Serial No. 159,746. PUBLISHED MAY 8, 1923.

170,887. TOOTHBRUSH STERILIZERS. WILLIAM E. BARNARD, doing business as Web Sterilizer Co., New York, N. Y.

Filed March 16, 1922. Serial No. 160,747. PUBLISHED APRIL 24, 1923.

170,888. WHEAT FLOUR. THOMPSON MILLING Co., Lockport, N. Y.

Filed March 15, 1922. Serial No. 160,727. PUBLISHED MARCH 20, 1923.

170,889. STOCK FOOD. CARMI WINSLOW, doing business as Mutual Products Company, Minneapolis, Minn.

Filed March 8, 1922. Serial No. 160,376. PUBLISHED MARCH 20, 1923.

170,890. VEILS. GOTTSCHALK STEINBERG & Co. INC., New York, N. Y.

Filed March 7, 1922. Serial No. 160,286. PUBLISHED SEPTEMBER 5, 1922.

170,891. SELF-RISING FLOUR. THE SAUERS MILLING COMPANY, Evansville, Ill.

Filed March 4, 1922. Serial No. 160,210. PUBLISHED MARCH 20, 1923.

170,892. PAPER GARMENT BAGS. THE RIKE FOLDING Box COMPANY, Dayton, Ohio.

Filed February 27, 1922. Serial No. 159,882. PUBLISHED APRIL 24, 1923.

170,893. CANTALOUPE. DAWSON-EDWARDS COMPANY, Rocky Ford, Colo.

Filed March 18, 1922. Serial No. 160,876. PUBLISHED APRIL 24, 1923.

170,894. CAKES. WARD BAKING COMPANY, New York, N. Y.

Filed October 31, 1922. Serial No. 171,437. PUBLISHED MARCH 13, 1923.

170,895. BREAD. WARD BAKING COMPANY, New York, N. Y.

Filed October 31, 1922. Serial No. 171,435. PUBLISHED MARCH 13, 1923.

170,896. CAKES. CUSHMAN'S SONS, INC., New York, N. Y.

Filed October 31, 1922. Serial No. 171,415. PUBLISHED MARCH 13, 1923.

170,897. BUTTER. THE MOORESVILLE CO-OPERATIVE CREAMERY Co., INC., Mooresville, N. C.

Filed October 27, 1922. Serial No. 171,280. PUBLISHED MARCH 13, 1923.

170,898. A TONIC AND FOOD FOR FEATHERED PETS. WILLIAM HOFFMANN, Chicago, Ill.

Filed October 26, 1922. Serial No. 171,217. PUBLISHED MARCH 13, 1923.

170,899. CAKE MIX, A COMPOUND TO BE USED IN THE MAKING OF CAKES. HIRSCH BROTHERS Co., Chicago, Ill.

Filed October 23, 1922. Serial No. 171,081. PUBLISHED MARCH 13, 1923.

170,900. A SUGAR PRODUCT CONTAINING WATER-SOLUBLE VITAMINES USED IN THE MANUFACTURE OF BREAD, CAKE, ETC. WARD BAKING COMPANY, New York, N. Y.

Filed October 19, 1922. Serial No. 170,961. PUBLISHED MARCH 13, 1923.

170,901. SUGAR. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.

Filed October 16, 1922. Serial No. 170,798. PUBLISHED MARCH 13, 1923.

170,902. SUGAR. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.

Filed October 16, 1922. Serial No. 170,797. PUBLISHED MARCH 13, 1923.

170,903. SUGAR. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.

Filed October 16, 1922. Serial No. 170,796. PUBLISHED MARCH 13, 1923.

170,904. HORSE AND MULE FEED. NOWAK MILLING CORPORATION, Hammond, Ind., and Buffalo, N. Y.

Filed October 16, 1922. Serial No. 170,780. PUBLISHED MARCH 13, 1923.

170,905. WHEAT FLOUR. MORROW MILLING COMPANY, Carthage, Mo.

Filed December 19, 1921. Serial No. 156,914. PUBLISHED MARCH 27, 1923.

170,906. CRACKERS. ELIAS J. ADLER, Brooklyn, N. Y.

Filed December 7, 1921. Serial No. 156,345. PUBLISHED MARCH 27, 1923.

170,907. CANE AND MAPLE-SUGAR SIRUP. NEW ENGLAND BREWING COMPANY, doing business as Haffenreffer & Co., Jersey City, N. J., and Boston, Mass.

Filed November 22, 1921. Serial No. 155,768. PUBLISHED JUNE 6, 1922.

170,908. ARTIFICIAL-SILK THREADS AND YARNS. FABRIQUE DE SOIE ARTIFICIELLE DE TUBIZE, SOCIÉTÉ ANONYME, Brussels, Belgium.

Filed October 21, 1921. Serial No. 154,406. PUBLISHED FEBRUARY 20, 1923.

170,909. POWDERED MILK AND A POWDER CONTAINING COCOA, SUGAR, AND SKIMMED MILK. EMPIRE FOOD PRODUCTS COMPANY, New York, N. Y.

Filed August 4, 1921. Serial No. 151,358. PUBLISHED APRIL 3, 1923.

170,910. CANNED FRUITS, CANNED VEGETABLES, OLIVES, AND OLIVE OIL. CALIFORNIA GROWERS ASSOCIATION, INC., Los Angeles, Calif.

Filed June 3, 1921. Serial No. 148,579. PUBLISHED NOVEMBER 29, 1921.

170,911. BUTTER, DRIED BEANS, BREAD, BUTTERMILK, CEREAL BREAKFAST FOODS, COFFEE, COCOA, CANDY, AND OTHER FOOD PRODUCTS. H. P. HOOD & SONS, INC., Boston, Mass.

Filed April 15, 1921. Serial No. 146,216. PUBLISHED APRIL 3, 1923.

170,912. COOKING SEEDS, POWDERS, AND OILS; COCOA BUTTER, CUTTLEFISH BONE, EXTRACTS, RICE FLOUR, AND CANDY. THE SUN DRUG COMPANY, Los Angeles, Calif.

Filed November 13, 1920. Serial No. 139,632. PUBLISHED APRIL 3, 1923.

170,913. MAYONNAISE DRESSING. C. WILKENS COMPANY, New York, N. Y.

Filed October 12, 1920. Serial No. 138,247. PUBLISHED DECEMBER 12, 1922.

170,914. ICE CREAM, CONFECTIONERY, AND BAKERY PRODUCTS. MCKAY-MANNING, INCORPORATED, New York, N. Y.

Filed July 12, 1922. Serial No. 166,783. PUBLISHED MARCH 20, 1923.

170,915. STORAGE BATTERIES AND PARTS THEREOF. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.

Filed July 11, 1922. Serial No. 166,757. PUBLISHED APRIL 24, 1923.

170,916. WHEAT FLOUR. LOUISVILLE MILLING COMPANY, Louisville, Ky.

Filed July 10, 1922. Serial No. 166,695. PUBLISHED MARCH 20, 1923.

170,917. FRESH FRUIT—NAMELY, APPLES. ELK MOUNTAIN ORCHARD Co., Asheville, N. C.

Filed July 1, 1922. Serial No. 166,356. PUBLISHED APRIL 24, 1923.

170,918. WAFERS AND CRACKERS. CENTURY BISCUIT Co., Indianapolis, Ind.

Filed July 1, 1922. Serial No. 166,350. PUBLISHED MARCH 20, 1923.

170,919. LIQUID MEDICINE FOR INDIGESTION, VERTIGO, ACID STOMACH, AND CONSTIPATION. THOMAS R. DEAY, doing business as Vesper Pharmaceutical Co., Tacony, Philadelphia, Pa.

Filed June 22, 1922. Serial No. 165,855. PUBLISHED APRIL 24, 1923.

- 170,920. EMULSION PETROLEUM USED IN THROAT, LUNG TROUBLE, BRONCHITIS, BRONCHIAL CATARRH, AND AS A LAXATIVE. ORCHARD DRUG Co., Lynchburg, Va.
Filed June 21, 1922. Serial No. 165,808. PUBLISHED APRIL 24, 1923.
- 170,921. EMULSION PETROLEUM USED IN THROAT, LUNG TROUBLE, BRONCHITIS, BRONCHIAL CATARRH, AND AS A LAXATIVE. ORCHARD DRUG Co., Lynchburg, Va.
Filed June 21, 1922. Serial No. 165,807. PUBLISHED APRIL 24, 1923.
- 170,922. OLIVE OIL. MAILLIARD & SCHMIEDELL, San Francisco, Calif.
Filed June 21, 1922. Serial No. 165,802. PUBLISHED APRIL 24, 1923.
- 170,923. REGISTERS FOR HEATING PURPOSES. ROCK ISLAND REGISTER COMPANY, Rock Island, Ill.
Filed June 7, 1922. Serial No. 165,157. PUBLISHED APRIL 24, 1923.
- 170,924. FRESH VEGETABLES—NAMELY, LETTUCE, CUCUMBERS, GREEN CORN, AND SPINACH. MEYER BROS., Dalcour, La.
Filed May 23, 1922. Serial No. 164,334. PUBLISHED APRIL 24, 1923.
- 170,925. EGGS AND LIVE POULTRY. EDGAR R. WELLS, Prosser, Wash.
Filed May 9, 1922. Serial No. 163,607. PUBLISHED MARCH 20, 1923.
- 170,926. BUTTER, CHEESE, EGGS, AND SAUSAGE. SWIFT AND COMPANY, Chicago, Ill.
Filed May 1, 1922. Serial No. 163,186. PUBLISHED MARCH 20, 1923.
- 170,927. CLAY AND PASTE FOR THE COMPLEXION. SIMON MARKMAN, New York, N. Y.
Filed April 26, 1922. Serial No. 162,941. PUBLISHED APRIL 24, 1923.
- 170,928. BUNGS. THE UNITED STATES BUNG MFG. Co., New York and Brooklyn, N. Y., and Cincinnati, Ohio.
Filed April 25, 1922. Serial No. 162,909. PUBLISHED APRIL 24, 1923.
- 170,929. BACON. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed April 24, 1922. Serial No. 162,798. PUBLISHED APRIL 24, 1923.
- 170,930. COMPOSITION FOR THE REMOVAL OF PAINT, VARNISH, AND THE LIKE. P. R. K. CHEMICAL Co. Inc., Frankfort, Ind.
Filed April 22, 1922. Serial No. 162,765. PUBLISHED OCTOBER 31, 1922.
- 170,931. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans., and Kansas City, Mo.
Filed April 17, 1922. Serial No. 162,428. PUBLISHED MARCH 20, 1923.
- 170,932. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans., and Kansas City, Mo.
Filed April 17, 1922. Serial No. 162,427. PUBLISHED MARCH 20, 1923.
- 170,933. EGGS. WHITE ARROW FARMS, Cheraw, S. C.
Filed March 28, 1922. Serial No. 161,398. PUBLISHED MARCH 27, 1923.
- 170,934. BREAD. THE BIXLER BAKING COMPANY, Youngstown, Ohio.
Filed September 18, 1922. Serial No. 169,615. PUBLISHED FEBRUARY 27, 1923.
- 170,935. WHEAT FLOUR. MODERN FLOUR MILLS, Macon, Ga.
Filed September 18, 1922. Serial No. 169,601. PUBLISHED FEBRUARY 27, 1923.
- 170,936. WHEAT FLOUR. ACCAS BROTHERS, New York, N. Y.
Filed September 15, 1922. Serial No. 169,470. PUBLISHED FEBRUARY 27, 1923.
- 170,937. JEWELRY. LOUIS REUBENSTONE, New York, N. Y., assignor to Herbert Nalty, trading as Gourdel Vales & Co., London, England.
Filed September 13, 1922. Serial No. 169,423. PUBLISHED APRIL 24, 1923.
- 170,938. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,385. PUBLISHED FEBRUARY 27, 1923.
- 170,939. STOCK, DAIRY, AND POULTRY FEED. WHYTE COMMISSION COMPANY, Pine Bluff, Ark.
Filed September 5, 1922. Serial No. 169,110. PUBLISHED MARCH 20, 1923.
- 170,940. SHOES. HURLEY SHOE Co., Rockland, Mass.
Filed August 29, 1922. Serial No. 168,844. PUBLISHED APRIL 24, 1923.
- 170,941. CERTAIN NAMED MOTION-PICTURE APPARATUS. ARTHUR PRICE, New York, N. Y.
Filed August 25, 1922. Serial No. 168,691. PUBLISHED APRIL 24, 1923.
- 170,942. STOCK AND POULTRY FEED. OMAHA ALFALFA MILLING COMPANY, Omaha, Nebr.
Filed August 18, 1922. Serial No. 168,429. PUBLISHED MARCH 20, 1923.
- 170,943. CANNED FRUITS. GEO. E. HYDE & Co. INC., Campbell, Calif.
Filed August 18, 1922. Serial No. 168,413. PUBLISHED APRIL 24, 1923.
- 170,944. VARNISH. MILWAUKEE PAINT & VARNISH WORKS, Milwaukee, Wis.
Filed August 16, 1922. Serial No. 168,328. PUBLISHED APRIL 24, 1923.
- 170,945. FLAVORING EXTRACTS FOR FOOD OF ALL KINDS. CLYDE C. FOSTER, doing business as The Nuway Company, Decatur, Ill.
Filed August 10, 1922. Serial No. 168,027. PUBLISHED MARCH 20, 1923.
- 170,946. CORSETS, BRASSIÈRES, CORSET COVERS, WAISTS, AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. KOPS BROS., New York, N. Y.
Filed August 9, 1922. Serial No. 167,987. PUBLISHED APRIL 24, 1923.
- 170,947. PIES. JOSEPH KALT, JR., Milwaukee, Wis.
Filed August 7, 1922. Serial No. 167,918. PUBLISHED MARCH 20, 1923.
- 170,948. FACE POWDER IN PASTE FORM. LOTTA B. RIDLEY, Louisville, Ky.
Filed July 24, 1922. Serial No. 167,327. PUBLISHED APRIL 24, 1923.
- 170,949. WHEAT FLOUR. FRANK C. WILLIAMS, INC., doing business as Frank C. Williams, Easton, Pa.
Filed July 22, 1922. Serial No. 167,277. PUBLISHED APRIL 3, 1923.
- 170,950. WATERMELONS IN THEIR NATURAL STATE. TEXAS FARM BUREAU MELON GROWERS' EXCHANGE, Dallas, Tex.
Filed July 20, 1922. Serial No. 167,152. PUBLISHED APRIL 24, 1923.
- 170,951. BREAD. WARNERS WHOLE WHEAT BREAD INC., New York, N. Y.
Filed July 13, 1922. Serial No. 166,863. PUBLISHED FEBRUARY 20, 1923.
- 170,952. PRINTED SHIRTINGS AND PRINTED PERCALES. EVERETT, HEANEY & Co. INC., New York, N. Y.
Filed July 13, 1922. Serial No. 166,823. PUBLISHED APRIL 24, 1923.
- 170,953. PRINTED SHIRTINGS AND PRINTED PERCALES. EVERETT, HEANEY & Co. INC., New York, N. Y.
Filed July 13, 1922. Serial No. 166,820. PUBLISHED APRIL 24, 1923.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

170,954. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LABORATOIRE NATIVELLE, Paris, France. Filed Aug. 2, 1921. Serial No. 151,282.

LABORATOIRE NATIVELLE

Particular description of goods.—Medicines for the Treatment of Affections of the Heart.

Claims use since Mar. 4, 1921.

170,955. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONDIT ELECTRICAL MANUFACTURING COMPANY, Boston, Mass. Filed Nov. 17, 1921. Serial No. 155,483.



Particular description of goods.—Air Circuit Breakers: Artificially Cooled, Automatic, Electrically Operated, Gravity Operated, Manually Operated, Pneumatically Operated, Parts Thereof; Air Switches: Control, Disconnecting, Gravity Operated, Industrial, Pneumatically Operated, Push Button, Safety, Shunt Trip, Undervoltage, Parts Thereof; Attachments for Switches: Auxiliary Switches, Reverse Current, Reverse Power, Shunt Trip, Solenoids, Time Limit, Undervoltage, Parts Thereof; Coils: Transformer, Relay; Contactors: Magnetic, Remote Control, Parts Thereof; Fuse Bases; Magnets: Switch Closing, Switch Opening; Oil Circuit Breakers: Artificially Cooled, Automatic, Electrically Operated, Gravity Operated, Manually Operated, Motor Starting, Pneumatically Operated, Remote Control, Series Trip, Solenoid Operated, Transformer Trip, Parts Thereof; Oil Switches: Electrically Operated, Fused, Gravity Operated, Industrial, Manhole, Manually Operated, Motor Starting, Nonautomatic, Pneumatic Operated, Pole Line, Remote Control, Service, Undervoltage, Water Cooled, Parts Thereof; Relays: Air, Automatic Reclosing, Compensator, Control, Definite, Direct Current, Inverse, Inverse Definite, Instantaneous, Lockout, Motor Operated, Oil, Overload, Phase Failure, Protective, Reverse Current, Reverse Power, Solenoid Operated, Thermal, Time Limit, Trip Free, Undervoltage, Parts Thereof; Switchboards and Panels: Control, Light, Motor Starting, Power, Synchronous Motor, Wireless, Parts Thereof; Transformers: Air Cooled, Bushing, Current, Instrument, Oil Cooled, Potential, Power, Tripping, Parts Thereof.

Claims use since August, 1904.

170,956. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEATRICE CREAMERY COMPANY, Chicago, Ill., and Topeka, Kans. Filed Oct. 17, 1921. Serial No. 154,176.

QUEEN CITY

Particular description of goods.—Butter.

Claims use since January, 1903.

170,957. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARLFINGER BAKING Co., Albany, N. Y. Filed Dec. 29, 1921. Serial No. 157,272.



Horizontal lines on the blocks on the drawing represent the color blue, and the vertical lines represent the color red.

Particular description of goods.—Bread.

Claims use since 1909.

170,958. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD REESE, doing business as Standard Crystal Company, Newark, N. J. Filed Apr. 23, 1923. Serial No. 179,556.

STANDARD SPECIAL

Particular description of goods.—Radio Detector Crystals Used in Wireless Receiving Sets.

Claims use since on or about Apr. 15, 1922.

170,959. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WELLSMORE & Co., INC., New York, N. Y. Filed Apr. 24, 1923. Serial No. 179,634.



Particular description of goods.—Pianofortes, Grand and Upright Pianos, Grand and Upright Player Pianos, and Grand and Upright Electrically-Operated Pianos, and Phonographs.

Claims use since 1908.

170,960. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CABLE-NELSON PIANO COMPANY, Chicago, Ill. Filed Apr. 21, 1923. Serial No. 179,457.

KREUTZER

Particular description of goods.—Pianos and Player Pianos.

Claims use since November, 1905.

170,961. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CAPE COD UNITED PRODUCTS Co., Inc., Hyannis, Mass. Filed Feb. 16, 1923. Serial No. 176,113.

Cape Cod Pearls

Particular description of goods.—Artificial Pearls.
Claims use since Mar. 17, 1921.

170,962. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) E. D. HODGE TOOL AND MANUFACTURING COMPANY, Watertown, N. Y. Filed January 18, 1923. Serial No. 174,739.

TWIN TIMER

Particular description of goods.—Timers for Ford Cars and Tractors.

Claims use for not less than one year in interstate commerce by the applicant.

170,963. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FILICE & PERRELLI CANNING Co., Gilroy, Calif. Filed Nov. 3, 1922. Serial No. 171,533.

Tre-Ripe

Particular description of goods.—Canned Fruits and Vegetables.

Claims use since June 1, 1922.

170,964. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ACCAS BROTHERS, New York, N. Y. Filed Sept. 15, 1922. Serial No. 169,469.

THOMAS

Particular description of goods.—Wheat Flour.
Claims use since Mar. 15, 1921.

170,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEA COAST PACKING Co., Seattle, Wash. Filed Aug. 24, 1922. Serial No. 168,649.

HIGRADE

Particular description of goods.—Canned Salmon.
Claims use since May 22, 1922.

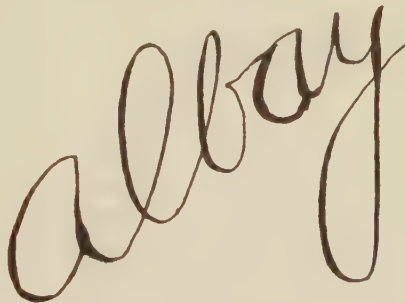
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170,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIRZ BROS., Paterson, N. J. Filed Aug. 24, 1922. Serial No. 168,643.

MI-OUN CAKE

Particular description of goods.—Cake.
Claims use since about December, 1920.

170,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PARCHED WHEAT Co., Fostoria, Ohio. Filed Aug. 15, 1922. Serial No. 168,277.



Particular description of goods.—Breakfast Cereal.
Claims use since January, 1922.

170,968. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DINIS VELONES, Indianapolis, Ind. Filed Aug. 8, 1922. Serial No. 167,967.

VELONES

Particular description of goods.—Hair Tonic.
Claims use since about Apr. 20, 1921.

170,969. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DETROIT INSULATED WIRE COMPANY, Detroit, Mich. Filed June 26, 1922. Serial No. 166,047.

TUFRUBR

Particular description of goods.—Insulated Wire.
Claims use since Mar. 1, 1922.

170,970. (CLASS 43. THREAD AND YARNS.) N. ERLANGER, BLUMGART & Co., INC., New York, N. Y. Filed June 8, 1922. Serial No. 165,188.

Everfast

Particular description of goods.—Cotton Yarns.
Claims use since May 25, 1922.

170,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN XAVIER FISH PACKING COMPANY, Monterey, Calif. Filed June 6, 1922. Serial No. 165,106.

SAN XAVIER

Particular description of goods.—Dried, Salted, and Canned Fish; Canned Fruits and Vegetables.
Claims use since May 27, 1921.

170,972. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FAIRCHILD MILLING COMPANY, Cleveland, Ohio. Filed May 27, 1922. Serial No. 164,585.

FAIRCHILD'S

Particular description of goods.—Miscellaneous Flours.
Claims use since Jan. 2, 1910.

170,973. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed May 24, 1922. Serial No. 164,427.

Lorraine

Particular description of goods.—Powder Puffs.
Claims use since May 5, 1922.

170,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHULZE BAKING COMPANY, Chicago, Ill. Filed Apr. 14, 1922. Serial No. 162,320.

A-1

Particular description of goods.—Bread.
Claims use since Feb. 6, 1922.

170,975. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BROMLEY & SONS, INCORPORATED, Philadelphia, Pa. Filed Feb. 15, 1922. Serial No. 159,340.

TANGIER

Particular description of goods.—Lace Curtains and Nets or Curtain Lace in Piece Goods.
Claims use since Dec. 1, 1921.

170,976. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. IVINS' SON, INC., Philadelphia, Pa. Filed Feb. 8, 1922. Serial No. 159,036.

Irvin's

Particular description of goods.—Biscuits.
Claims use since 1905.

170,977. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio. Filed June 24, 1921. Serial No. 149,595.

Puro-Blanco

Particular description of goods.—Potash in Pulverized or Bar Form Which When Added to Soap Increases the Soap's Efficiency for Laundry Use in Washing Fabric, Woolens, Linen, Muslin, Silks, and the Like.
Claims use since June 1, 1921.

170,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATOMA FARM, York and Hinsdale, Ill. Filed Sept. 3, 1921. Serial No. 152,576.

Baby MILK

Particular description of goods.—Milk.
Claims use since Sept. 2, 1919.

170,979. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. ROMEO & CO., INC., New York, N. Y. Filed Jan. 28, 1922. Serial No. 158,581.

MARIETTA

Particular description of goods.—Olive Oil.
Claims use since Aug. 19, 1921.

- 170,980. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOFSTRA MANUFACTURING COMPANY, Tulsa, Okla. Filed Mar. 8, 1922. Serial No. 160,344.

"HOFSTRA, THE NATIONAL INSECTICIDE"

Particular description of goods.—Insecticides.
Claims use since on or about Jan. 1, 1916.

- 170,981. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass. Filed June 7, 1922. Serial No. 165,143.

GINNERS

Trade-mark "Ginners."
Particular description of goods.—Jute Bagging.
Claims use since Mar. 8, 1922.

- 170,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELLA G. WOOLSEY, Kansas City, Kans. Filed June 19, 1922. Serial No. 165,737.

Atwood's Ice Cream Company

Particular description of goods.—Ice Cream.
Claims use since May 1, 1914.

- 170,983. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JACOB MEERSE, doing business as Union Brush Co., Cincinnati, Ohio. Filed Aug. 28, 1922. Serial No. 168,774.

Best Ever

Particular description of goods.—Brushes and Mops.
Claims use since May 1, 1922.

- 170,984. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) K. L. M. COMPANY, New York, N. Y. Filed Sept. 29, 1922. Serial No. 170,068.



Particular description of goods.—Diluted Epsom Salts for Use in the Bath.
Claims use since Mar. 1, 1922.

- 170,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIÉTÉ ANONYME PARFUMERIE VIOLET, Paris, France. Filed Oct. 21, 1922. Serial No. 171,043.

ABRICOT

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, Talcum Powders, Sachet Powders, Lotions for the Skin and Hair, Rouge, and Brilliantine.
Claims use since Feb. 1, 1922.

- 170,986. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Oct. 30, 1922. Serial No. 171,362.

\$1000.00 GUARANTEED



Particular description of goods.—Body-Vermin Exterminator and Insecticide.
Claims use since December, 1921.

- 170,987. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BORDEN COMPANY, New York, N. Y. Filed Dec. 1, 1922. Serial No. 172,727.

Borden's NUTTY Karamels

Particular description of goods.—Confectionery—viz, Caramels.
Claims use since Oct. 13, 1921.

- 170,988. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEATTLE MACARONI MFG. CO. INC., Seattle, Wash. Filed Dec. 1, 1922. Serial No. 172,773.

VENEZIA BRAND

Particular description of goods.—Alimentary Pastes.
Claims use since Nov. 1, 1915.

170,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UMPQUA VALLEY CANNING COMPANY, Roseburg, Oreg. Filed Dec. 4, 1922. Serial No. 172,915.

UMPQUA

Particular description of goods.—Canned and Dried Fruits, Canned Vegetables.

Claims use since May 18, 1922.

170,990. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. WEEKS & COMPANY, Des Moines, Iowa. Filed Jan. 23, 1923. Serial No. 174,950.

BREAK-UP-A-COLD

Particular description of goods.—Laxative Cold Tablets.

Claims use since 1898.

170,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GORDON GORDON, Chicago, Ill. Filed Jan. 26, 1923. Serial No. 175,140.

English tint

Particular description of goods.—Rouges and Lip Sticks.

Claims use since July 1, 1919.

170,992. (CLASS 2. RECEPTACLES.) B. HELLER & COMPANY, Chicago, Ill. Filed Feb. 16, 1923. Serial No. 176,123.

Heller's

REG. U. S. PAT. OFF.

Particular description of goods.—Fiber, Wood, and Metal Barrels; Fiber, Wood, and Metal Drums; Pasteboard and Wooden Boxes; Pasteboard, Fiber and Wooden Cases; Paper and Pasteboard Cartons; Paper, Pasteboard, and Tin Packages; and Paper, Pasteboard, Tin, Fiber, Wooden, and Metal Containers.

Claims use since 1894.

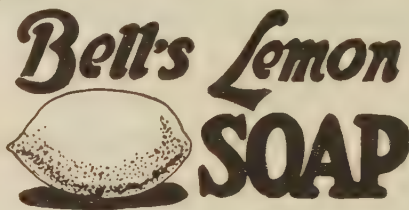
170,993. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WOLF, SAYER & HELLER, INC., Chicago, Ill. Filed Feb. 19, 1923. Serial No. 176,303.

Josef Mayer's Frankfurter's and Knackwurst Gewürz

Particular description of goods.—Seasonings for Meat Products.

Claims use since January, 1922.

170,994. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IOWA SOAP COMPANY, Burlington, Iowa. Filed Apr. 27, 1923. Serial No. 179,795.



Particular description of goods.—Toilet Soap.

Claims use since April, 1907.

170,995. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IOWA SOAP COMPANY, Burlington, Iowa. Filed May 5, 1923. Serial No. 180,221.



Particular description of goods.—Toilet Soap.

Claims use since April, 1907.

170,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN OIL & FEED MILLS, INC., Petersburg, Va. Filed Nov. 23, 1922. Serial No. 172,447.

{THE 2 in 1 FEED} (A MASH AND SCRATCH TOO)

Particular description of goods.—Poultry Feed.

Claims use since Jan. 1, 1922.

LABELS

REGISTERED JULY 24, 1923.

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| <p>26,249.—<i>Title:</i> SOCIÉTÉ. For Knitted Cravats. HOLLAND KNITTING Co., Brooklyn, N. Y. Published May 30, 1923.</p> <p>26,250.—<i>Title:</i> COPLEY, THE STORE FOR MEN, A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Overcoats. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.</p> <p>26,251.—<i>Title:</i> COPLEY, THE STORE FOR MEN, A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Coats. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.</p> <p>26,252.—<i>Title:</i> KING'S CASTLE. For Wheat Flour. H. H. KING FLOUR MILLS COMPANY, Minneapolis, Minn. Published June 22, 1923.</p> <p>26,253.—<i>Title:</i> KRANK'S LEMON FACIAL PACK. For a Skin Treatment and Beautifier. ALFRED J. KRANK, St. Paul, Minn. Published April 11, 1923.</p> <p>26,254.—<i>Title:</i> PERSPERO. For a Composition of Matter Used for the Toilet. MARCUS W. LEVKOWICZ, doing business as Perspero Company, San Francisco, Calif. Published February 7, 1922.</p> <p>26,255.—<i>Title:</i> CALCUM MAKES PUPPIES GROW STRONG AND HEALTHY. For a Medicinal Preparation for Dogs. R. W. McROBERTS, Atlanta, Ga. Published May 15, 1923.</p> | <p>26,256.—<i>Title:</i> PEPPER SAUCE. For West Indian Pepper Sauce. EBENEZER MURDOCK, doing business under the name of E. Murdock & Co., New York, N. Y. Published May 19, 1923.</p> <p>26,257.—<i>Title:</i> ROWLES RED PEPPER RUB. For Cartons or Boxes Enclosing or Containing the Compound Described Therein. JOHN F. MURRAY, doing business as Whitehall Pharmacal Co., New York, N. Y. Published April 11, 1921.</p> <p>26,258.—<i>Title:</i> REAL SILK GUARANTEED HOSIERY. For Hosiery. REAL SILK HOSIERY MILLS, Indianapolis, Ind. Published December 1, 1922.</p> <p>26,259.—<i>Title:</i> REAL SILK GUARANTEED HOSIERY. For Hosiery. REAL SILK HOSIERY MILLS, Indianapolis, Ind. Published December 1, 1922.</p> <p>26,260.—<i>Title:</i> USE C. W. ROBB'S VERY BEST PAINTS. For Packages and Barrels of Paint. CHARLES W. ROBB, Salt Lake City, Utah. Published March 1, 1923.</p> <p>26,261.—<i>Title:</i> SANDHILL. For Peaches. SANDHILL FRUIT GROWERS ASSOCIATION, Aberdeen, N. C. Published June 6, 1923.</p> <p>26,262.—<i>Title:</i> ROBIN HOOD. For Bread. SANI-WAX PAPER Co., Kalamazoo, Mich. Published June 18, 1923.</p> <p>26,263.—<i>Title:</i> KEWPIE. For Toilet Paper. WORTENDYKE MFG. Co., Richmond, Va. Published June 28, 1921.</p> |
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PRINTS

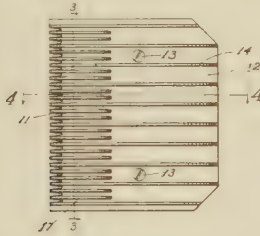
REGISTERED JULY 24, 1923.

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| <p>6,829.—<i>Title:</i> VENUS THIN LEADS. For Pencils. AMERICAN LEAD PENCIL Co., New York, N. Y. Published March 31, 1923.</p> <p>6,830.—<i>Title:</i> ARACOMA. For Draperies and Other Silk Fabrics. ARACOMA TEXTILE COMPANY, INCORPORATED, New York, N. Y. Published March 15, 1923.</p> <p>6,831.—<i>Title:</i> PEACE AND PLENTY. For Wheat Breakfast Food. CREAM OF WHEAT Co., Minneapolis, Minn. Published June 18, 1923.</p> <p>6,832.—<i>Title:</i> ARISTOKRAT KUT. For Fancy-Cut Spectacle and Eyeglass Lenses. WILLIAM B. GEORGIA, Waco, Tex. Published June 21, 1923.</p> | <p>6,833.—<i>Title:</i> GRAPE NUTS WINDOW TRIM. For Grape Nuts. POSTUM CEREAL COMPANY, INC., New York, N. Y. Published April 25, 1923.</p> <p>6,834.—<i>Title:</i> BATTERY SERVICE BY THE YEAR. For Electric Storage Batteries. HARRY E. WATSON, doing business as Automotive Battery Service Co., Richmond, Ind. Published June 27, 1923.</p> <p>6,835.—<i>Title:</i> WILDER'S LION. For Half Soles and Strips. WILDER & COMPANY, Chicago, Ill. Published June 1, 1923.</p> |
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REISSUES.

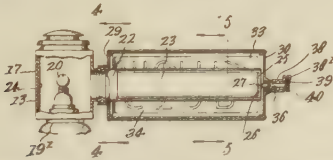
JULY 24, 1923.

15,660. HAIR CLIPPER. FOREST L. GRAY, Kenmore, Ohio. Filed Apr. 28, 1923. Serial No. 635,346. Original No. 1,395,104, dated Oct. 25, 1921, Serial No. 376,740, filed Apr. 26, 1920. 8 Claims. (Cl. 30—1.)



1. The combination with a hair clipping device, of a base plate, a plurality of right angularly disposed spaced blades carried thereby, said blades having convex outer edges terminating in pointed ends, and extending from the extreme ends of the teeth of the clipping device to the rear edge of the base plate.

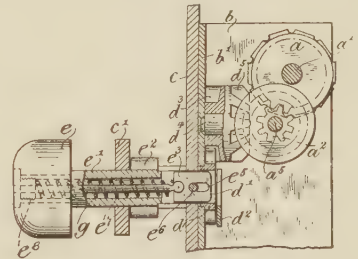
15,661. AUTO TAIL LAMP AND SIGNAL. CHARLES STERN and GEORGE F. EGAN, Jersey City, N. J. Filed Apr. 21, 1920. Serial No. 375,641. Original No. 1,286,825, dated Dec. 3, 1918, Serial No. 200,133, filed Nov. 3, 1917. 4 Claims. (Cl. 116—49.)



1. A signal comprising a tube in connection with a source of light and having a slotted side wall, means to

support the tube at one end through which the light is received, a relatively short stud projecting from the other end of the tube, a panel-bearing drum enveloping the tube and rotatable thereabout with its end adjoining the stud provided with a socket to receive the stud, said drum itself carrying a trunnion also comparatively short and independent of the stud, a bearing to support the trunnion, and means on the side of the bearing away from the drum having connection to the trunnion for rotating the drum.

15,662. OPERATING DEVICE FOR VOTING-MACHINE REGISTERS, ETC. CURTIS HUSSEY VEEDER, Hartford, Conn., assignor to The Veeder Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 12, 1922. Serial No. 587,861. Original No. 1,342,476, dated June 8, 1920, Serial No. 332,580, filed Oct. 23, 1919. 2 Claims. (Cl. 235—144.)



1. The combination with a register, and gearing for operating the same, including a gear having a driving aperture, of an operating knob supported in fixed position and a spring pressed driving member carried by the knob and normally in engagement with the driving aperture of said gear and movable out of such engagement by an implement introduced from the opposite side of the driving gear.

DESIGNS.

JULY 24, 1923.

62,687. SHOE OR SIMILAR ARTICLE. WILLIAM LEO BAXTER, Beverly, Mass. Filed Feb. 8, 1922. Serial No. 593. Term of patent $3\frac{1}{2}$ years.



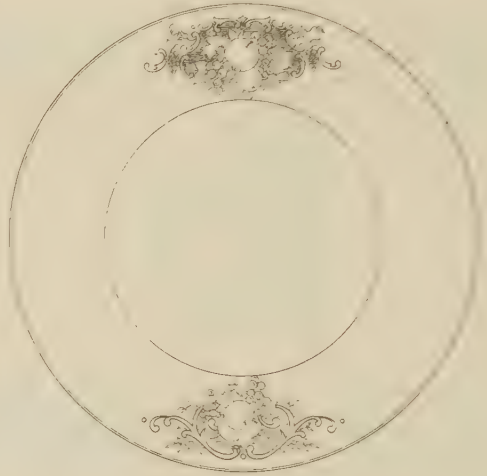
The ornamental design for a shoe or similar article, substantially as shown.

62,688. PLATE OR SIMILAR ARTICLE. EDGAR M. BOTTOME, Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 27, 1922. Serial No. 4,119. Term of patent $3\frac{1}{2}$ years.



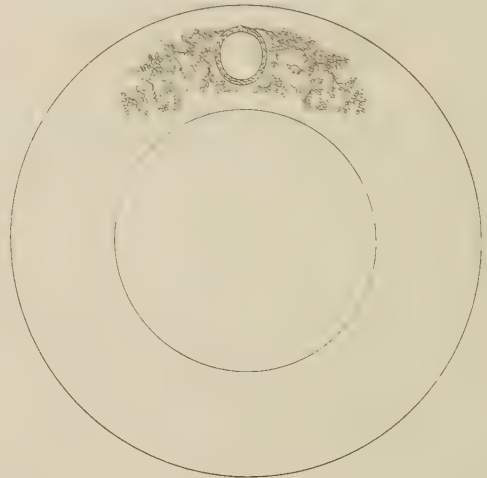
The ornamental design for a plate or similar article, as shown.

62,689. PLATE OR SIMILAR ARTICLE. EDGAR M. BOTTOME, Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 24, 1922. Serial No. 4,078. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a plate or similar article, as shown.

62,690. PLATE OR SIMILAR ARTICLE. EDGAR M. BOTTOME, Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 21, 1922. Serial No. 4,049. Term of patent $3\frac{1}{2}$ years.



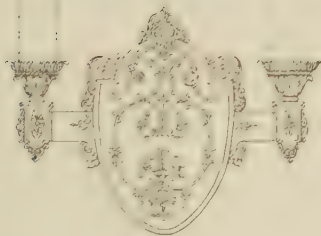
The ornamental design for a plate or similar article, as shown.

62,691. LIQUID CONTAINER FOR FOUNTAIN SYRINGES. ALVIE C. CRIMMEL, Hartford City, Ind. Filed Feb. 17, 1922. Serial No. 754. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a liquid container for a fountain syringe, as shown.

62,692. BRACKET FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 2,792. Term of patent $3\frac{1}{2}$ years.



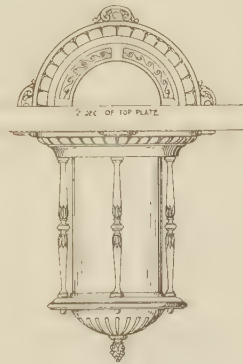
The ornamental design for a bracket for lighting fixtures, as shown.

62,693. BRACKET LANTERN FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,949. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a bracket lantern for lighting fixtures, as shown.

62,694. CEILING LANTERN FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,950. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a ceiling lantern for lighting fixtures, as shown.

62,695. ARM FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,951. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,696. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,952. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a plate for lighting fixtures, as shown.

62,697. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,953. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a plate for lighting fixtures, as shown.

62,698. TOP FOR SHADE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,954. Term of patent $3\frac{1}{2}$ years.



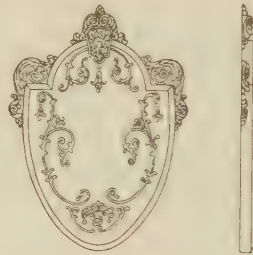
The ornamental design for a top for shade for lighting fixtures, as shown.

62,699. TOP FOR SHADE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,955. Term of patent $3\frac{1}{2}$ years.



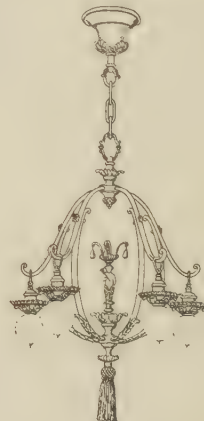
The ornamental design for a top for shade for lighting fixtures, as shown.

62,700. BRACKET PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 2,793. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a bracket plate for lighting fixtures, as shown.

62,701. CHANDELIER FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 2,794. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a chandelier for lighting fixtures, as shown.

- 62,702. CHANDELIER FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 2,795. Term of patent $3\frac{1}{2}$ years.



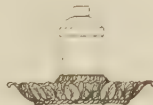
The ornamental design for a chandelier for lighting fixtures, as shown.

- 62,703. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 10, 1922. Serial No. 3,024. Term of patent $3\frac{1}{2}$ years.



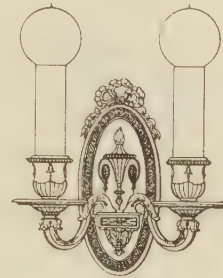
The ornamental design for a plate for lighting fixtures, as shown.

- 62,704. HUSK FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Aug. 28, 1922. Serial No. 3,580. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a husk for lighting fixtures, as shown.

- 62,705. ELECTRIC WALL BRACKET. THURE E. DAHL, New York, N. Y. Filed May 31, 1921. Serial No. 473,936. Term of patent $3\frac{1}{2}$ years.



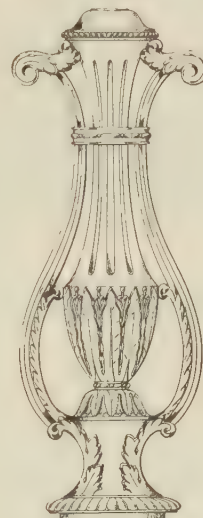
The ornamental design for an electric wall bracket, as shown.

- 62,706. BRACKET BACK FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed May 31, 1921. Serial No. 473,947. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a bracket back for lighting fixtures, as shown.

- 62,707. BODY PART FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed July 21, 1921. Serial No. 486,584. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a body part for lighting fixtures, as shown.

- 62,708. SOCKET COVER FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed July 21, 1921. Serial No. 486,586. Term of patent $3\frac{1}{2}$ years.



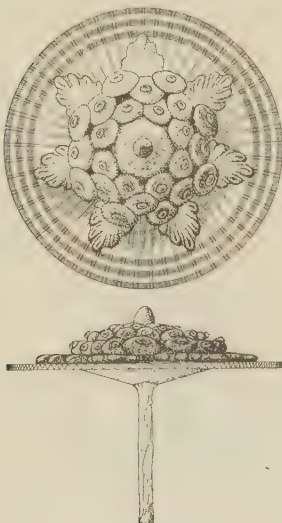
The ornamental design for a socket cover for lighting fixtures, as shown.

- 62,709. BAND FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed July 21, 1921. Serial No. 486,587. Term of patent $3\frac{1}{2}$ years.



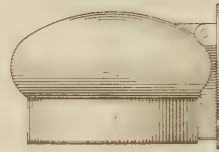
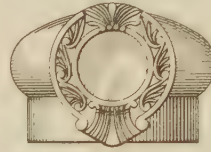
The ornamental design for a band for lighting fixtures as shown.

- 62,710. CANDY BOUQUET. FAY L. VAN DELINDER, Chicago, Ill. Filed Oct. 30, 1922. Serial No. 4,162. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a candy bouquet, as shown.

- 62,711. AUTOMOBILE RADIATOR CAP. HERBERT A. DENT, Chicago, Ill., assignor to Dent Auto Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 27, 1922. Serial No. 4,413. Term of patent 14 years.



The ornamental design for an automobile radiator cap, as shown.

- 62,712. COUGH TABLET. MARIE ROSE DURANTE, Utica, N. Y. Filed Feb. 23, 1922. Serial No. 842. Term of patent 14 years.



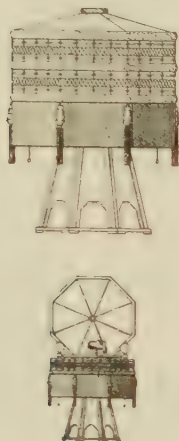
The ornamental design for a cough tablet, as shown.

- 62,713. FINGER RING, BRACELET, OR ARTICLE OF SIMILAR NATURE. SOLOMON EISENBERG, Syracuse, N. Y. Filed Jan. 18, 1923. Serial No. 4,927. Term of patent 7 years.



The ornamental design for a finger ring, bracelet, or article of similar nature substantially as shown.

62,714. COMBINED LAMP AND SOUND-REPRODUCING DEVICE. WALTER ERNI and ARTHUR E. LANGE, Jr., Milwaukee, Wis. Filed June 8, 1922. Serial No. 2,572. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a combined lamp and sound reproducing device, as shown.

62,715. CHANDELIER FOR LIGHTING FIXTURES. FRED FLEISCHAUER, New Milford, N. J., assignor to New York Lighting Fixture Manufacturing Co., New York, N. Y., a Corporation of New York. Filed July 20, 1922. Serial No. 3,145. Term of patent 7 years.



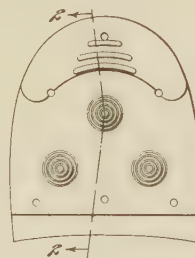
The ornamental design for a chandelier for lighting fixtures, as shown.

62,716. SOLE OR TAP. DUDLEY FREEMAN, Roxbury, Mass., assignor to Panther Rubber Manufacturing Company, Stoughton, Mass., a Corporation of Massachusetts. Filed Mar. 11, 1922. Serial No. 1,133. Term of patent 14 years.



The ornamental design for a sole or tap as shown.

62,717. SHOE HEEL. DUDLEY FREEMAN, Roxbury, Mass., assignor to Panther Rubber Manufacturing Company, Stoughton, Mass., a Corporation of Massachusetts. Filed Mar. 11, 1922. Serial No. 1,134. Term of patent 14 years.



The ornamental design for a shoe heel as shown.

62,718. SPOON OR SIMILAR ARTICLE. EMIL FUCHS, New York, N. Y., assignor to Cartier, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 8, 1922. Serial No. 994. Term of patent 7 years.



The ornamental design for a spoon or similar article, as shown.

62,719. LACE. HENRY GIEBEL, New York, N. Y., assignor to Thomas Wilson & Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 5,307. Term of patent $3\frac{1}{2}$ years.



The ornamental design for the lace, as shown.

62,722. ATTACHMENT PLUG. WILLIAM HENRY HARRINGTON, Hartford, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 2, 1921. Serial No. 519,527. Term of patent 14 years.



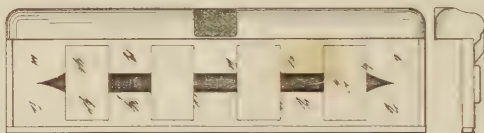
The ornamental design for an attachment plug, as shown.

62,720. PENCIL. BERNARD GOLDSTEIN, Toronto, Ontario, Canada. Filed Jan. 22, 1923. Serial No. 4,966. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a pencil as shown.

62,723. AUTOMOBILE SIGNAL. WILLIAM HECKMAN and JOHN A. HECKMAN, Denver, Colo., assignors to The Heckman Signal Company, a Corporation of Colorado. Filed May 16, 1921. Serial No. 470,012. Term of patent 14 years.



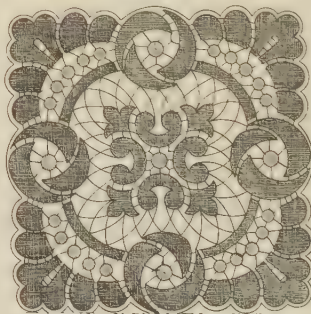
The ornamental design for an automobile signal as shown.

62,721. STATUETTE. YUBA T. GOODWIN, East Dedham, Mass. Filed Mar. 5, 1923. Serial No. 5,365. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a statuette, as shown.

62,724. LACE. WALTER HELBIG, Queens, N. Y. Filed Feb. 28, 1923. Serial No. 5,308. Term of patent $3\frac{1}{2}$ years.



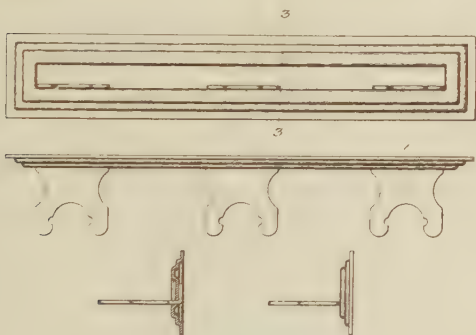
The ornamental design for lace, as shown.

62,725. HEEL FOR BOOTS AND SHOES. DAVID HILL, Leicester, England. Filed Aug. 3, 1921. Serial No. 489,642. Term of patent 7 years.



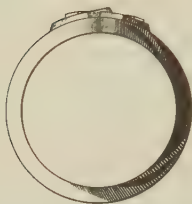
The ornamental design for a heel for boots and shoes as shown.

62,726. BRUSH HOLDER. WILLIAM J. HINES, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 4, 1922. Serial No. 1,020. Term of patent 14 years.



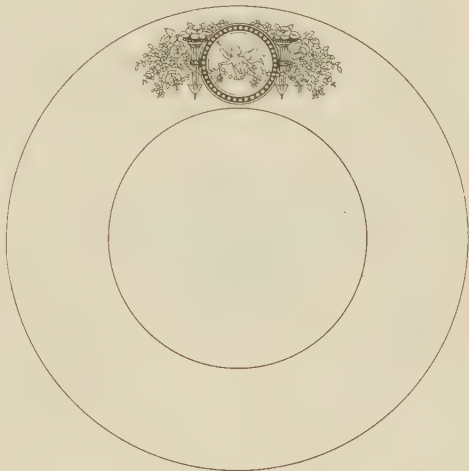
The ornamental design for a brush holder as shown in the accompanying drawing.

62,727. RING. OLAUS T. HODNEFIELD, Los Angeles, Calif. Filed Aug. 14, 1922. Serial No. 3,385. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a ring, as shown.

62,728. PLATE OR SIMILAR ARTICLE. PERCY JENNER, New York, N. Y., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 12, 1922. Serial No. 3,949. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a plate or similar article, as shown.

62,729. PLATE OR SIMILAR ARTICLE. PERCY JENNER, New York, N. Y., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 17, 1922. Serial No. 4,002. Term of patent $3\frac{1}{2}$ years.



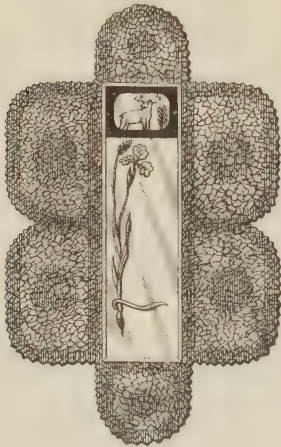
The ornamental design for a plate or similar article, as shown.

62,730. PLATE OR SIMILAR ARTICLE. PERCY JENNER, New York, N. Y., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 19, 1922. Serial No. 4,035. Term of patent $8\frac{1}{2}$ years.



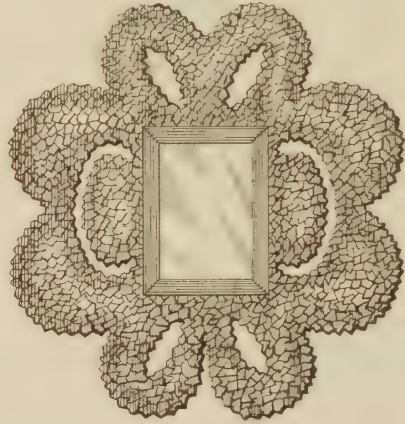
The ornamental design for a plate or similar article, as shown.

62,731. COMBINATION CHIPPED-GLASS FRAME AND MIRROR. JOZEFA KECZUR, West Selkirk, Manitoba, Canada. Filed Dec. 12, 1922. Serial No. 4,583. Term of patent 7 years.



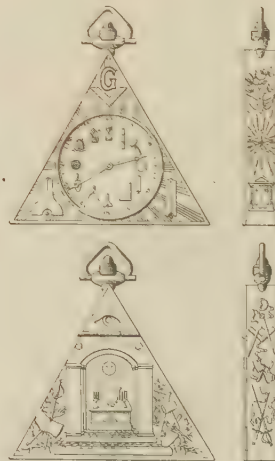
The ornamental design for a combination chipped glass frame and mirror, as shown.

62,732. COMBINATION COLORED CHIPPED-GLASS FRAME AND MIRROR. JOZEFA KECZUR, West Selkirk, Manitoba, Canada. Filed Dec. 12, 1922. Serial No. 4,584. Term of patent 7 years.



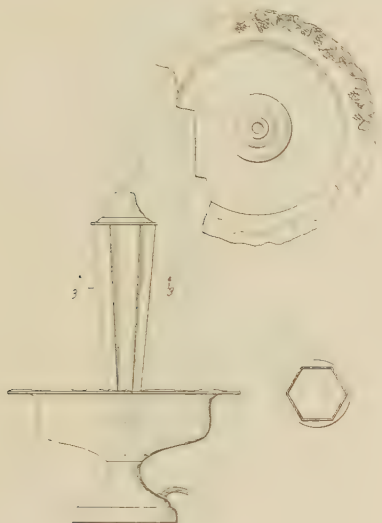
The ornamental design for a combination colored chipped glass frame and mirror, as shown.

62,733. WATCHCASE. GEORGE J. KELLER, Newark, N. J. Filed Feb. 2, 1923. Serial No. 5,054. Term of patent 14 years.



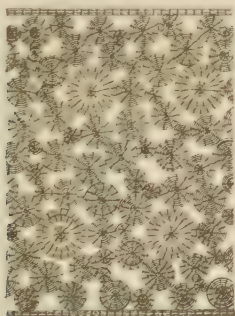
The ornamental design for a watchcase, as shown.

62,734. ELECTRIC-LAMP STAND. IRVING L. KLEINFELD, Brooklyn, N. Y. Filed Aug. 31, 1922. Serial No. 3,609. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an electric lamp stand, as shown.

62,735. LACE. JOHN LANGENEGGER, West New York, N. J., assignor to Blanck & Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 10, 1923. Serial No. 5,427. Term of patent $3\frac{1}{2}$ years.



The ornamental design for lace as herein shown and described.

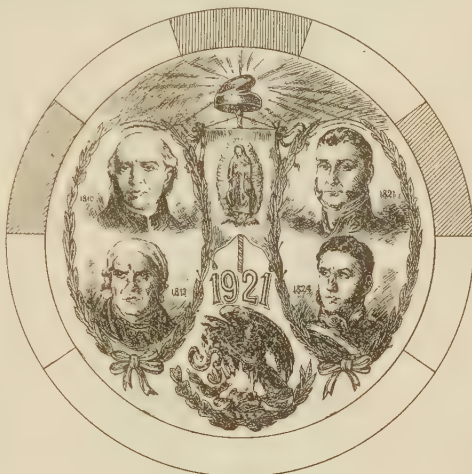
62,736. CHARM. ALFRED B. LEMON, Providence, R. I. Filed Feb. 11, 1922. Serial No. 657. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a charm, as shown.

312 O. G.—45

62,737. MEDALLION, EMBLEM, BUTTON, OR SIMILAR ARTICLE. PETER F. LEON, New York, N. Y. Filed Mar. 28, 1921. Serial No. 456,482. Term of patent 14 years.



The ornamental design for a medallion, emblem, button, or similar article, as shown.

62,738. BRACELET. CHARLES M. LEVY, New York, N. Y. Filed Jan. 31, 1923. Serial No. 5,036. Term of patent $3\frac{1}{2}$ years.



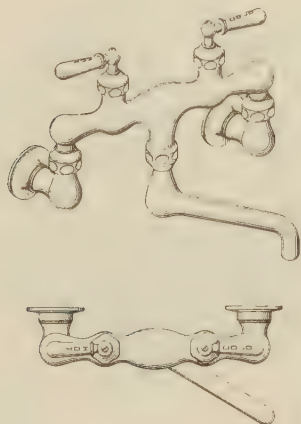
The ornamental design for a bracelet, as shown.

62,739. RADIATOR CAP. ALFRED B. MEMMOTT, Salt Lake City, Utah. Filed Nov. 2, 1922. Serial No. 4,193. Term of patent $3\frac{1}{2}$ years.



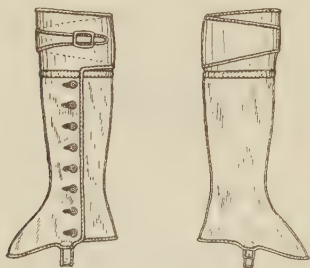
The ornamental design for a radiator cap, as shown.

62,740. FAUCET. CHARLES J. MUEND, Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated, a Corporation of Pennsylvania. Filed Dec. 28, 1921. Serial No. 525,486. Term of patent 14 years.



The ornamental design for a faucet, as shown.

62,741. COMBINED SPAT AND LEGGING. GEORGE J. NICHOLS, Minneapolis, Minn. Filed Aug. 26, 1922. Serial No. 3,567. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a combined spat and legging, as shown.

62,742. BADGE. MABEL H. PALMER, Davenport, Iowa. Filed Nov. 3, 1922. Serial No. 4,218. Term of patent 7 years.



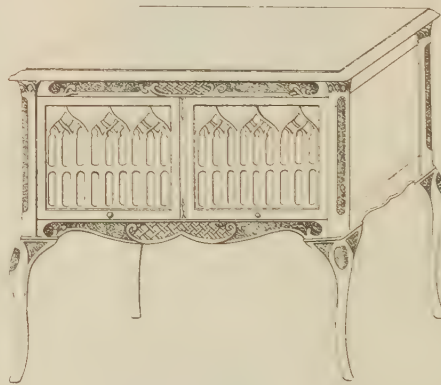
The ornamental design for a badge, as shown.

62,743. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio, assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,376. Term of patent $3\frac{1}{2}$ years.



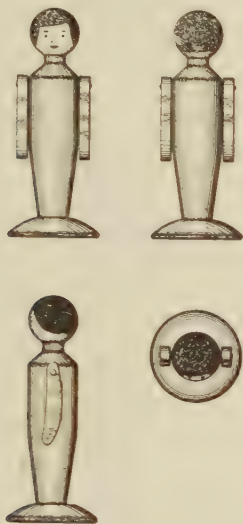
The ornamental design for a lighting fixture, substantially as shown.

62,744. CABINET. FRANK W. REYNOLDS, New Washington, Ohio. Filed June 28, 1922. Serial No. 2,856. Term of patent 7 years.



The ornamental design for a cabinet, substantially as shown.

62,745. DOLL. HARRIET M. ROBINSON, Seattle, Wash. Filed May 13, 1922. Serial No. 2,218. Term of patent 14 years.



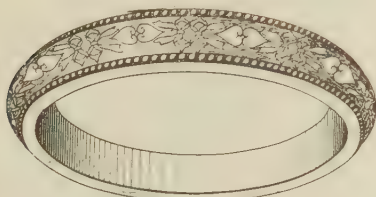
The ornamental design for a doll, as shown.

62,746. RIBBON, TEXTILE FABRIC, OR ARTICLE OF SIMILAR NATURE. EMIL SPECK, Paterson, N. J., assignor to The Taylor-Friedsam Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 2, 1923. Serial No. 5,344. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a ribbon, textile fabric, or article of similar nature as shown.

62,747. FINGER RING, BRACELET, OR SIMILAR ARTICLE OF MANUFACTURE. JACOB H. SPIRO, San Francisco, Calif. Filed May 31, 1922. Serial No. 2,485. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a finger ring, bracelet, or similar article of manufacture, as shown.

62,748. CASING FOR HUMIDIFIERS. FREDERICK S. STAFFORD, Chicago, Ill., assignor to Henry G. Saal, Chicago, Ill. Filed Mar. 5, 1921. Serial No. 450,001. Term of patent 7 years.



The ornamental design for a casing for humidifiers, as shown.

62,749. DOLL. DAVID STRAITON, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 26, 1922. Serial No. 4,711. Term of patent 14 years.



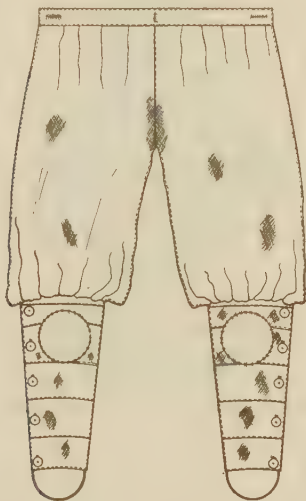
The ornamental design for a doll, as shown.

62,750. PLATE OR SIMILAR ARTICLE. RALPH STUART, Buffalo, N. Y., assignor to The Palm Brothers Company, New York, N. Y. Filed Nov. 1, 1922. Serial No. 4,183. Term of patent $3\frac{1}{2}$ years.



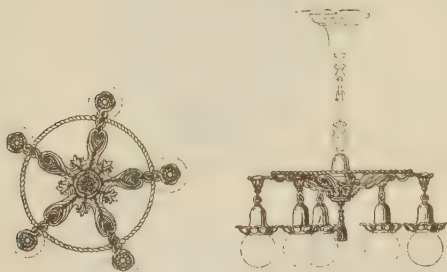
The ornamental design for a plate or similar article, as shown.

62,751. BIFURCATED NETHER GARMENT FOR CHILDREN. EULAH MYRTLE SUMMERS, Birmingham, Ala. Filed June 6, 1922. Serial No. 2,550. Term of patent 7 years.



The ornamental design for a bifurcated nether garment for children, substantially as shown.

62,752. LIGHTING FIXTURE. ALBERT ULLMAN, Cleveland, Ohio, assignor to The Scott-Ullman Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 13, 1922. Serial No. 3,064. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

62,753. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,204. Term of patent 3½ years.



The ornamental design for a bracket back, as shown.

62,754. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,205. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,755. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,200. Term of patent 3½ years.



The ornamental design for a bracket back, as shown.

62,756. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,201. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a bracket back, as shown.

62,757. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,202. Term of patent $3\frac{1}{2}$ years.



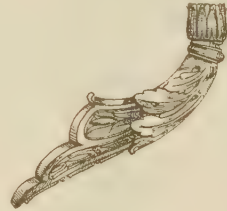
The ornamental design for a bracket back, as shown.

62,758. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,203. Term of patent $3\frac{1}{2}$ years.



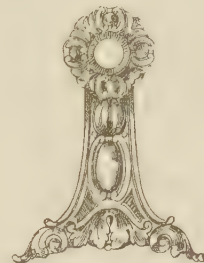
The ornamental design for a bracket back, as shown.

62,759. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,206. Term of patent $3\frac{1}{2}$ years.



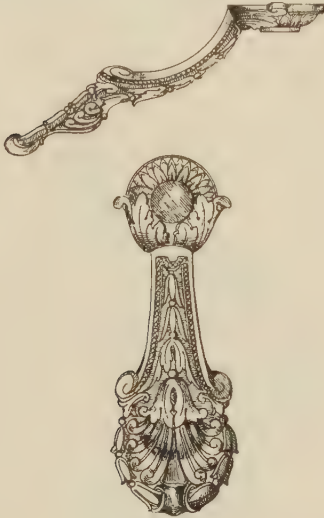
The ornamental design for an arm for lighting fixtures, as shown.

62,760. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,207. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,761. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,208. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,762. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,209. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,763. BODY SHELL. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,210. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a body shell, as shown.

62,764. HOSIERY. HARRY H. WEST, Montreal, Quebec, Canada. Filed Dec. 21, 1922. Serial No. 4,650. Term of patent $3\frac{1}{2}$ years.



The ornamental design for hosiery as shown.

62,765. LIGHTING FIXTURE. JAMES WILLIAMSON, Chicago, Ill., assignor to R. Williamson & Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1922. Serial No. 3,237. Term of patent 7 years.



The ornamental design for a lighting fixture as shown.

62,766. DOLL. GEORGE R. ZIMMERMAN, Brooklyn, N. Y. Filed Dec. 27, 1922. Serial No. 4,725. Term of patent 7 years.

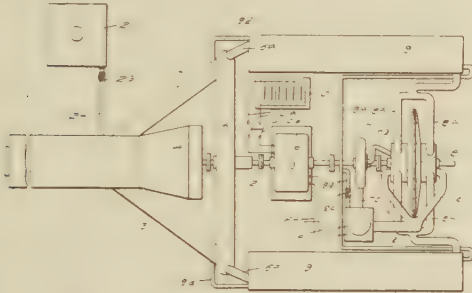


The ornamental design for a doll as shown.

PATENTS

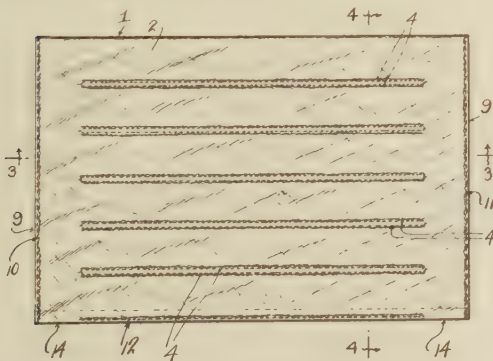
GRANTED JULY 24, 1923.

1,462,470. POWER PLANT. ERNIE ADAMSON, New York, N. Y. Filed Apr. 12, 1920. Serial No. 373,320. 4 Claims. (Cl. 60—42.)



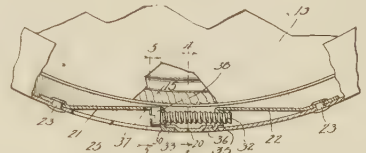
1. A power plant of the character described including a turbine, a shaft on which the turbine is mounted, motive fluid forming means including a combustion chamber having a motive fluid supply connection leading to the turbine, a blower on the turbine shaft supplying air to the combustion chamber, a water jacket around the said supply connection having an outlet leading into the combustion chamber, a condenser through which the motive fluid is exhausted from the turbine, having an outlet for the condensing liquid connected to the water jacket of the motive fluid supply connection, an exhaust pump on the turbine shaft for withdrawing fluid from the condenser, and a pump on the turbine shaft for forcing condensing liquid through the condenser.

1,462,471. COLLAPSIBLE LAPBOARD FOR CARD PLAYERS. BENJAMIN W. ALPINE, Kankakee, Ill. Filed May 13, 1921. Serial No. 469,222. 1 Claim. (Cl. 45—122.)



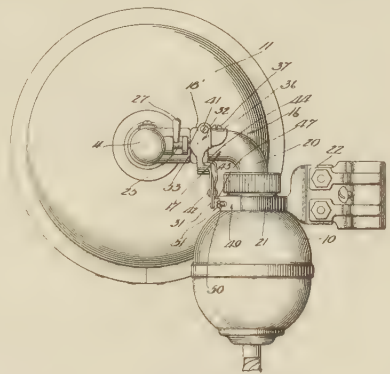
A device of the character specified, comprising a lap-board formed of flexible material and provided in its body portion with a plurality of longitudinally disposed transversely spaced sleeves or pockets and at each end with a transversely disposed sleeve or pocket, strips of rigid or semi-flexible material arranged in said longitudinal sleeves or pockets and other similar strips arranged in said transverse sleeves, the inner edges of the transverse strips fitting against the ends of the longitudinal strips and holding the latter against longitudinal displacement and the transverse sleeves or pockets being open at one end, to provide for the removal of the end strips preparatory to collapsing or folding the device.

1,462,472. LENS MOUNTING FOR LAMP CASINGS. ERNST G. K. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 3, 1921. Serial No. 442,158. 9 Claims. (Cl. 240—41.)



1. A transversely divided resilient lens mounting ring having a smooth periphery concentric to the ring axis and adapted to encircle the juncture of the casing and lens margin, and means embedded within the circumference of said ring to close the ring on the lens and lamp casing.

1,462,473. AUTOMATIC SWITCH CONTROL FOR SPOTLAMPS. ERNST G. K. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed June 27, 1921. Serial No. 480,562. 13 Claims. (Cl. 240—7.)

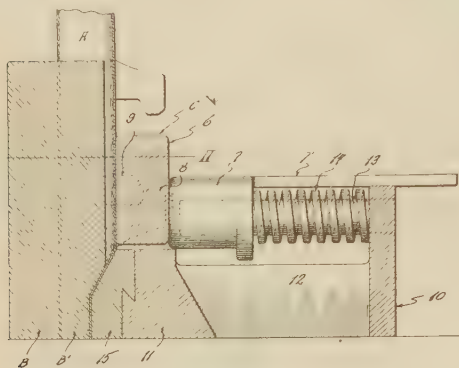


1. Automatic control for universal electric spot lamps comprising, in combination with the members of a universal mounting for the lamp casing and a lamp controlling switch having an actuator member, of a control element swingingly supported on said mounting and cooperating with said actuator and a part fixed on the mounting and operative to control said switch in a given position of the lamp when moving through any direction of its universal sweep.

1,462,474. APPARATUS FOR CRUSHING CORRUGATED METAL. CHARLES E. ATKINSON, Pine Lawn, Mo., assignor to E. E. Souther Iron Company, Wellston P. O., St. Louis County, Mo., a Corporation of Missouri. Filed June 4, 1921. Serial No. 475,047. 8 Claims. (Cl. 153—2.)

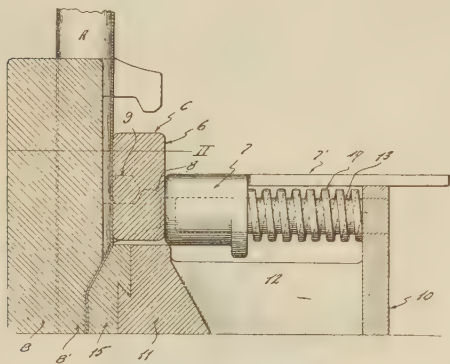
1. In an apparatus of the character described, means for flattening the corrugations at a margin of a corrugated metal sheet and at the same time forming inclined folds in the corrugated metal adjoining said margin, said

means including clamping members between which the corrugated sheet is held, and a bending member cooperating with said clamping members, said clamping mem-



bers having inclined abutment faces and said bending member having a correspondingly formed inclined abutment located opposite to said inclined faces.

1,462,475. METHOD OF CRUSHING CORRUGATED METAL. CHARLES E. ATKINSON, Pine Lawn, Mo., assignor to E. E. Souther Iron Company, Wellston P. O., St. Louis County, Mo., a Corporation of Missouri. Filed June 4, 1921. Serial No. 475,048. 8 Claims. (Cl. 153—2.)

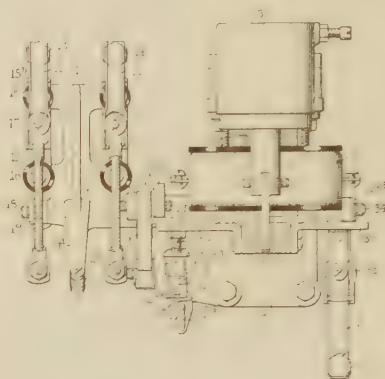


1. The method of crushing corrugated metal sheets which comprises crushing and flattening a marginal portion of the corrugated metal so as to form two oppositely disposed flat marginal folds at the end of each crushed corrugation, at the same time forming tapering folds converging from the respective marginal folds and merging into uncrushed portions of the corrugations.

1,462,476. MOTOR CONTROLLER. THOMAS E. BARNUM, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 30, 1917. Serial No. 183,474. 3 Claims. (Cl. 200—97.)

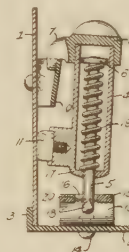
3. In a motor controller, in combination, a panel, a switch mounted thereon, said switch having an oscillatable contact member provided with an extension projecting outwardly from said panel, a magnet frame mounted on said panel contiguous to said switch, an electromagnet mounted on said frame and having a pivoted armature projecting outwardly from said base and engaging said extension of said switch whereby said electromagnet is energizable to actuate said contact member for closure of said switch, mechanical means to lock said switch in closed position, including an oscillatable member having

a part projecting outwardly from said panel to be engaged by said armature for release of said switch following de-energization of said electromagnet and a dashpot



mounted on the front of said magnet frame and connected to said armature for retarding movement of the latter when released by said electromagnet.

1,462,477. AUTOMOBILE HOOD CLAMP. WILLIAM B. BASSICK, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 4, 1922. Serial No. 558,412. 6 Claims. (Cl. 292—114.)

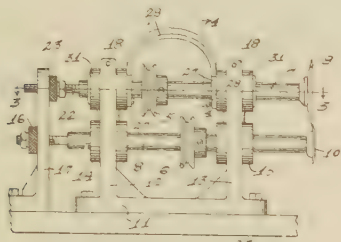


1. In an automobile hood clamp, the combination of a clamping member having a hold down clamp at the upper part thereof, adapted to clamp a hood to an automobile frame, a side engaging clamp, and a part adapted to make a pivotal connection with the frame, means enabling the adjustment of position of the pivotal connection with respect to the hood to engage the side engaging clamp with the side of the hood, and means for holding the pivot point of said part in adjusted position.

1,462,478. ADJUSTING MECHANISM FOR TRIMMERS. REES BEYNON and JOHN C. HINTZ, Chicago, Ill., assignors to Dryden Rubber Company, a Corporation of Illinois. Filed Jan. 16, 1922. Serial No. 529,507. 1 Claim. (Cl. 164—60.)

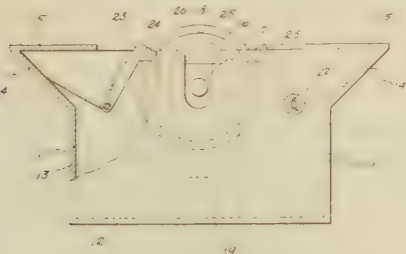
In a trimming machine two overlapping cutting disks, parallel shafts, one attached to the center of each disk for rotating the same, a casting having two arms and four bearings, two bearings in each arm making two pairs of bearings, one pair for each shaft and one bearing of each pair in each arm, one pair of bearings permanently fixing the alignment of one of said shafts, eccentric sleeves in the other pair of bearings, the other shaft being mounted in said sleeves, a pulley on each shaft for driving the same, said pulleys being located between said arms, a bail connecting said sleeves rigidly

together whereby they may be simultaneously rotated to adjust the alignment of said other shaft while maintaining the parallelism of the shafts, said bail passing



around said pulleys at a sufficient distance to permit belts to run around said pulleys and within said bail and means independent of said bail for adjusting said shafts longitudinally to regulate the contact between said disks.

1,462,479. COLOR BOX. JOSEPH J. BOBOK. Yonkers, N. Y., assignor, by direct and mesne assignments, of thirty-five per cent to Cornelius Kyff and thirty per cent to Andrew Purcell, both of Yonkers, N. Y. Filed Apr. 18, 1922. Serial No. 554,726. 2 Claims. (Cl. 101—364.)



1. A device of the class described comprising a box member receptive of a printing fluid and adapted to be secured to a reciprocating table of a printing machine, peaked ends on said box, a baffle cover formed on said ends, the latter adapted to prevent the overflow of fluid when the box comes to an abrupt stop, vertical slots in said box, guide members within the box, plates slidable between said guide members, a shaft rotatable in said plates, an inking roller on said shaft and adapted to dip into the fluid, and means resiliently contacting with said roller on opposite sides thereof for evenly distributing the fluid over said roller.

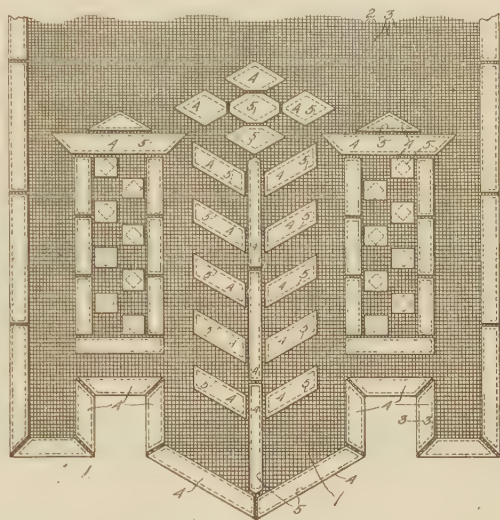
1,462,480. SMOKING MIXTURE. FREDERICK J. BOSSE, Norristown, Pa. Filed Sept. 17, 1920. Serial No. 410,927. 1 Claim. (Cl. 131—31.)

A smoking mixture comprising tobacco and diatomaceous earth distributed therethrough whereby said earth absorbs moisture from said tobacco during the process of combustion.

1,462,481. ORNAMENTAL TRANSPARENCY. JOHN T. BOYLE, Randolph, Mass. Filed May 23, 1921. Serial No. 471,906. 8 Claims. (Cl. 41—21.)

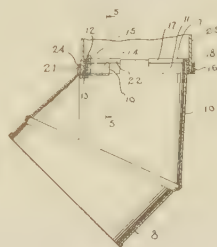
1. An ornamental structure of the character described, comprising a panel of transparent material; a set of independent transparent design elements distributed

about upon one side of said panel so as to form a design; a set of design elements distributed about upon the



other side of said panel so as to form a similar design positioned to register with the first design, and means securing all of said elements to said panel.

1,462,482. ADJUSTABLE BOOT FOR PIPES. CHARLES M. BULLER, Milwaukee, Wis., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 6, 1921. Serial No. 467,394. 5 Claims. (Cl. 137—75.)

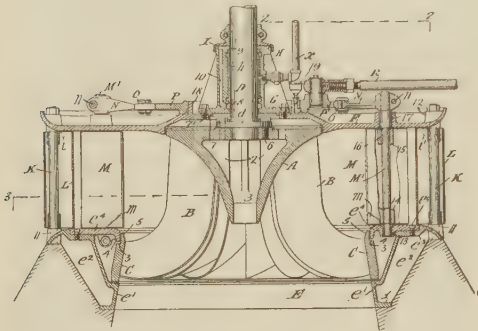


1. An adjustable boot for pipes, comprising a collar having one end portion of rectangular shape in cross section and a side wall extending inwardly, angular strips forming grooves mounted on three sides of the rectangular portion, and an angular strip adjustably mounted on the fourth side of the rectangular portion and resting on the inwardly extending side wall to form in connection with the other angular strips a rectangular grooveway to receive one end portion of another pipe.

1,462,483. HYDRAULIC TURBINE. JOHN S. CARPENTER, Irvington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Sept. 21, 1921. Serial No. 502,267. 10 Claims. (Cl. 253—122.)

1. In a hydraulic turbine, the combination, with a runner, a bottom member, and a cover plate, of gates

pivotaly mounted between the bottom member and the cover plate, column members arranged outside the gates for holding the cover plate from the bottom member,



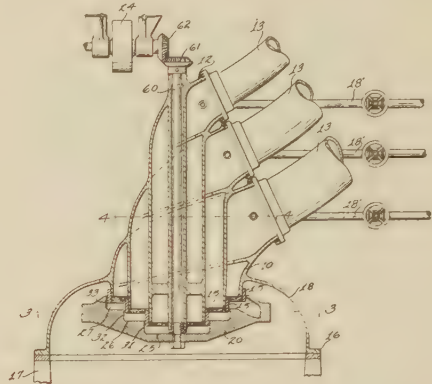
and a swinging guide vane journaled on each column member and arranged to adjust itself to the water flow.

1,462,484. HAIR CURLER. JOSEPH D. COUGHLIN, New York, N. Y., assignor, by mesne assignments, of one-half to Duncan A. McConnell. Filed Dec. 31, 1921. Serial No. 526,114. 2 Claims. (Cl. 132—41.)



1. A hair curler embodying a resilient strip bent intermediate its ends to form two resilient arms, one of which is longer than the other, which arms are normally adapted to partake of diverging relation, the free end portion of the shorter arm being bent outwardly with respect to the remainder of said arm to provide an inclined locking portion and the free end portion of the longer arm being returned upon itself to form a substantially straight inclined retaining portion terminating at the end of the returned portion, the shorter arm being of such length that, when said arms are bowed apart by hair positioned between them and the free ends of the arms forced toward one another, the inclined locking portion at the free end of the shorter arm will engage with the inclined retaining portion of the longer arm and may, by the application of pressure, be forced to slide down the inclined portion of the longer arm and snap beneath the free end thereof so as to become locked behind said free end which forms a shoulder or abutment and engages the inclined locking portion of the shorter arm at a point slightly removed from the extremity of the shorter arm, whereby inadvertent release of the shorter arm is precluded.

1,462,485. METHOD OF AND APPARATUS FOR MIXING MATERIALS. GEORGE W. DENISON, Bay Village, Ohio. Filed Sept. 6, 1921. Serial No. 498,889. 23 Claims. (Cl. 83—73.)



1. The method of mixing materials which comprises ejecting a thin film of one material by centrifugal force through a rotating outlet to form an annular band in close contact with a band of dissimilar material also ejected by centrifugal force through a rotating outlet.

1,462,486. BEET-HARVESTING MACHINE. JOHN DEVEX, Lehi, Utah. Filed June 2, 1921. Serial No. 474,504. 10 Claims. (Cl. 55—107.)



1. In a beet topping machine, the combination of a vertically movable cutting disk for severing the tops of the beets, a sectional height regulating member for the cutting disk connected to the latter and having a ground engaging body portion movable vertically a relatively greater distance than the cutting disk when said member comes in contact with a beet, means for adjusting one section of the regulating member relatively to the cutting disk, and means for raising and lowering the rotary cutting disk and regulating means to an inoperative position.

5. In a beet topping machine, the combination with the main frame and ground wheel axle, of a sprocket wheel carried on said axle, a rotatable shaft carried on the main frame, a sprocket wheel mounted on said shaft, a supplemental frame loosely secured on said shaft, a second shaft journaled on the supplemental frame and movable vertically independently of the first shaft a sprocket wheel and bevel gear on the second shaft, sprocket chains connecting said sprocket wheels, a depending rotatable shaft carried by the supplemental frame, a cutting disk mounted on the lower end of said depending shaft and a pinion mounted on its upper end and adapted to engage said bevel gear.

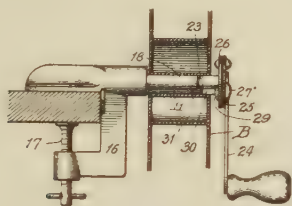
6. In a beet topping machine, a cutting disk, a pivotally mounted belt frame having side members each

formed of pivotally connected sections, means for elevating the entire belt frame, and means for elevating one section of each of said frame side members independently of the other section of said members.

7. In a beet topping machine, a main frame, a cutting disk, a disk height regulating frame comprising two side members each formed of upper and lower pivotally connected sections, said upper sections being pivotally mounted on the main frame, connections between said upper sections and the cutting disk, means for elevating said disk, and the entire regulating frame, and means for separately elevating the lower sections of the regulating frame side members.

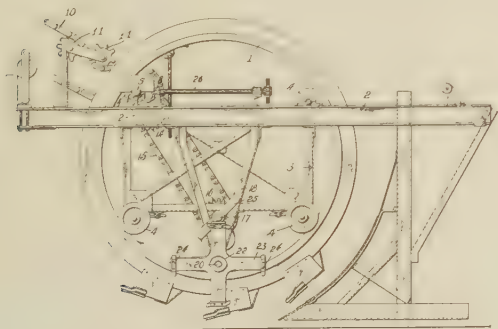
8. In a beet topping machine, a cutting disk, a disk height regulating frame composed of upper and lower sections, and means for elevating the lower frame section independently of the upper section.

1,462,487. MECHANISM FOR REWINDING FILMS
HERMAN A. DE VRY, Chicago, Ill., assignor to The DeVry Corporation, Chicago, Ill., a Corporation of Illinois. Filed Sept. 24, 1919. Serial No. 325,974. 4 Claims. (Cl. 242—55.)



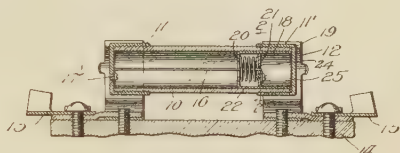
1. In a film rewinding mechanism, the combination of a support for the spool on which a film is to be wound, a spindle removably held in said support, a crank fixed to the spindle, a one-way clutch comprising a member rigid with the crank and spindle, and a member on the spindle and rotatable with the spool, the clutch permitting the spool to rotate and wind up the film by momentum when the crank is held.

1,462,488. SLOPING-BANK-CUTTING ATTACHMENT.
CHARLES L. GEORGE, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a Corporation of Ohio. Filed Feb. 23, 1922. Serial No. 538,520. 3 Claims. (Cl. 37—94.)



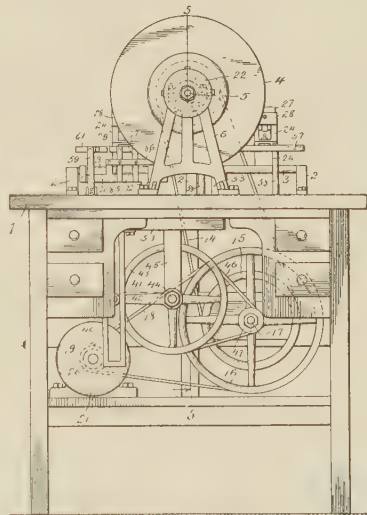
1. In a machine of the class described, a frame, an excavating wheel rotatably mounted in the frame, a slope cutting wheel carried by the frame within the periphery of the excavating wheel, a rotatable agitating member disposed between the excavating wheel and the slope cutting wheel to break up the material cut by the latter, and means for driving the slope cutting wheel and agitating member.

1,462,489. ELECTRIC FUSE. BERTRAM J. GRIGSBY, Chicago, Ill. Filed Jan. 22, 1918. Serial No. 213,165. 1 Claim. (Cl. 200—117.)



An electrical thermal fuse comprising an open ended shell, conducting ferrules applied thereto, a fuse link attached at one end to one of said ferrules, a bushing within said shell for contact with one of said ferrules, a disc slidable in and filling said bushing, and a spring interposed between said disc and a shoulder on the bushing, said fuse link extending into said bushing, through the spring and through said disc and attached to the disc.

1,462,490. RAZOR-BLADE-SHARPENING MACHINE.
VOLNEY T. MILLER, Kansas City, Mo., assignor to Robert S. Spahr, Kansas City, Mo. Filed May 29, 1922. Serial No. 564,493. 19 Claims. (Cl. 51—113.)

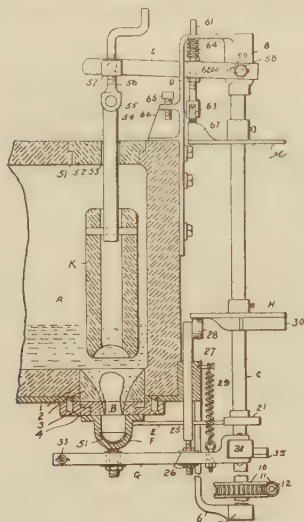


1. In a machine of the kind described, a rotary abrading wheel having a flat abrading side comprising a stropping surface and a honing surface concentric and flush with each other, a plurality of blade holders, a supporting guiding means for said holders, means for feeding said holders along said guiding means, and means by which said holders are moved to the sharpening position with respect to said side on said guiding means, substantially as set forth.

1,462,491. PROCESS AND APPARATUS FOR FEEDING GLASS. WILLIAM J. MILLER, Swissvale Borough, Pa. Filed Jan. 7, 1921, Serial No. 435,669. Renewed Apr. 7, 1923. 23 Claims. (Cl. 49—5.)

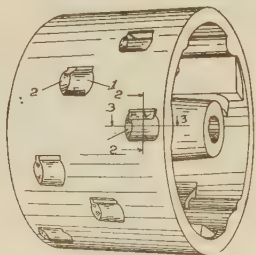
11. In the feeding of glass, for use in connection with a container for molten glass provided with a discharge orifice, the combination of means intermittently operative for detaching the glass protruding from said orifice to form gathers, a receptacle adapted to contain a quantity of liquid, means for applying said receptacle to the outer end of said orifice between detaching operations whereupon the liquid is gasified by the heat, causing the glass to be temporarily retracted along said orifice for the pur-

poses described, and means for replenishing the supply of liquid to said receptacle when the latter is in its in-



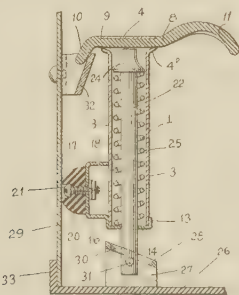
operative position, said replenishing means being adjustable to regulate the quantity of liquid supplied to said receptacle.

- 1,462,492. CHIP POCKET FOR CUTTING SHREDDERS AND THE LIKE. PHILIP S. MITTS and WILLIAM J. WINSTON, Saginaw, Mich., assignors to Mitts & Merrill, Saginaw, Mich., a Corporation of Michigan. Filed May 10, 1922. Serial No. 559,948. 2 Claims. (Cl. 83—75.)



1. In a drum of the class described, a plurality of cutting knives, a pocket formed in said drum in advance of the edge of each knife, the width of the bottom of said pocket substantially uniform throughout the length of said pocket, an end of said pocket flared outwardly.

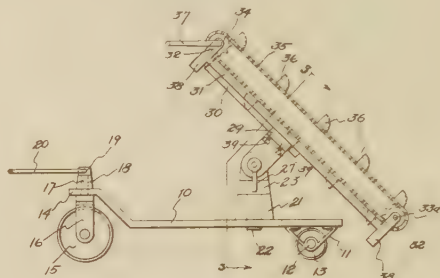
- 1,462,493. AUTOMOBILE HOOD CLAMP. RAYMOND G. MOORE, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 4, 1922. Serial No. 549,463. 7 Claims. (Cl. 292—114.)



1. In an automobile hood clamp, the combination of a barrel having a transverse top portion integral therewith,

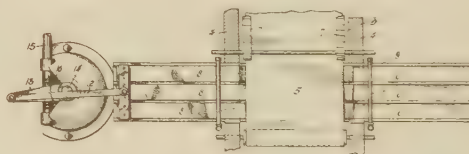
having upper and lower walls with a channel between the same, and a transverse metal strap extending through said channel and secured thereon.

- 1,462,494. EXCAVATOR. WILLIAM OTTO, Edgeley, N. Dak. Filed July 1, 1922. Serial No. 572,231. 2 Claims. (Cl. 37—69.)



1. An ore excavating machine comprising a wheeled platform, a pedestal thereon, side frames rotatably mounted on said pedestal, sprocket wheels between said side frames, chains connecting said sprocket wheels, scoops secured to said chains, longitudinal projections on said side frames, a tilt table pivotally secured to said pedestal having longitudinal guide grooves formed thereon, hinge arms on said tilt table engaging said pedestal, a handle knob adapted to releasably secure said tilt table in any desired angular position by engaging the hinge arms, said side frames adapted to be secured on said tilt table, and means for sliding said side frames laterally on the tilt table.

- 1,462,495. SHEET-GLASS-DRAWING MECHANISM. THOMAS S. OWENS, Toledo, Ohio. Filed Mar. 5, 1920. Serial No. 363,508. 6 Claims. (Cl. 49—17.)

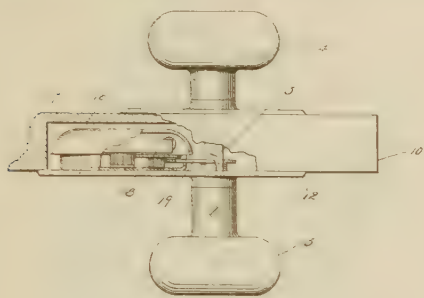


5. In a sheet glass drawing mechanism, a chamber through which glass is drawn in sheet form, a table disposed at one side of a soft portion of the sheet and extending transversely thereof and through and beyond each side wall of the chamber, a sheet flattening member guided by the table for movements transversely of the sheet in hatching contact with a surface thereof and being of a length for one end portion to extend without a side of the chamber when another end portion thereof is disposed in rubbing contact with the surface of a sheet, means without the chamber for imparting reciprocatory movements to the member, and means for cooling each end portion of the flattening member when disposed without a respective side of the chamber.

- 1,462,496. KNOB ALARM. ANDRU G. PAPPADAKIS, Detroit, Mich. Filed July 7, 1922. Serial No. 573,319. 1 Claim. (Cl. 116—97.)

In a device of the character described, the combination with a knob spindle; of an alarm mechanism, having a

pinion to receive the power for operating the same; means comprising a toothed sector, having an opening through



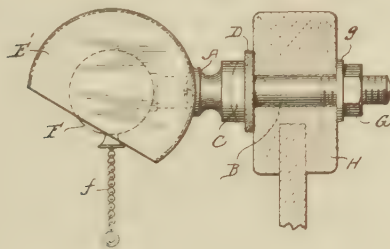
which the said spindle projects, and engaging the pinion whereby rotary movement of said spindle is transmitted to said pinion.

1,462,497. INDEX. JAMES H. RAND, North Tonawanda, N. Y. Filed May 19, 1921. Serial No. 470,856. 8 Claims. (Cl. 40—2.)



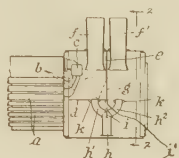
1. A composite index element for indexes of the character described comprising a relatively long and narrow multi-ply strip, one ply being of resilient, sheet material and another ply being of sheet material carrying an inscription, the plies being cemented together, and said composite strip being stiffly resilient whereby the strip may be temporarily bent without permanent distortion to insert it in a frame, and whereby the body of the strip between its ends will lie flat against a flat surface and be so self-retained when held at its ends.

1,462,498. LAMP FIXTURE FOR BEDS AND THE LIKE. LOUIS ROTH, New York, N. Y., assignor to Charles F. Kinsman, New York, N. Y. Filed Feb. 23, 1921. Serial No. 447,284. 1 Claim. (Cl. 240—4.)



A lamp-fixture adapted for use on articles of furniture comprising a head one face of which is curved in conformity with the contour of the surface of the article with which said curved face is adapted to contact, a single stem in permanently fixed relation to said head, said stem passing through said curved face only of the head and protruding for a substantial distance beyond said head to afford means for the attachment of said fixture, a perforated collar fitted loosely and removably on the stem, one face of said collar being curved for snug contact with the curved face of the head and the other side of said collar being a plane surface, and means co-operating with the stem for clamping the collar and the head in fixed non-rotative relation to each other and to the article of furniture.

1,462,499. DRAFT-REGULATING DEVICE. PETER THOMSEN, Cassel, Germany, assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany, a Corporation of Germany. Filed Mar. 18, 1920. Serial No. 367,021. 11 Claims. (Cl. 110—61.)



1. In a boiler or the like, a structure having tubes arranged in a plurality of groups, a chamber divided into separate compartments each communicating with the tubes of one group, draft devices connected with the respective compartments, and means for controlling said draft devices.

1,462,500. VACUUM RELEASE FOR SHELLS. PAUL IRVINE WELLS, Kouts, Ind. Filed Jan. 24, 1920. Serial No. 353,760½. 4 Claims. (Cl. 89—1.)



1. In shells, means for automatically admitting a vacuum reducing agency into the interior of a shell simultaneously with first forward movement of the charge contained in the shell.

1,462,501. PISTON. MONT W. BARWALD, Jacksonville, Fla. Filed May 8, 1922. Serial No. 559,296. 7 Claims. (Cl. 74—108.)

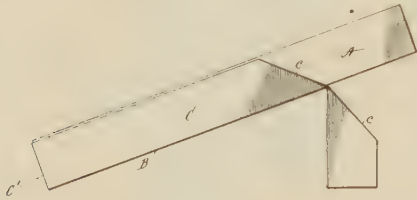


2. A piston provided adjacent its lower portion with a wide and shallow peripheral groove of uniform depth throughout its width adapted to be completely filled with oil and of such width that the oil will be trapped therein and act to guide the piston and prevent piston slap.

1,462,502. COUNTER-DISPLAY CONTAINER. TRUETT F. EMERSON, Somerville, Mass., assignor, by mesne assignments, to Walter M. Lowney Company, Boston, Mass., a Corporation of Massachusetts. Filed June 24, 1921. Serial No. 480,111. 3 Claims. (Cl. 206—44.)

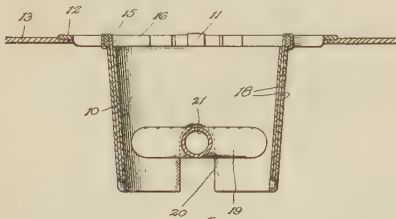
1. A container and a cover therefor provided with flanges, two opposite flanges of said cover being cut

at opposite points thereof and at points much nearer one end of said cover than the other; whereby when said cover is removed from said container and reversed



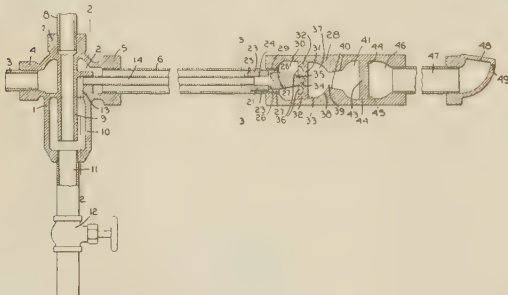
said container may be set into it and the smaller portion of said cover may be bent backward on a line between said cuts to form an easel support for one end of said container to display the goods therein.

1,462,503. FUEL SAVER. JOHN W. GREEN, Columbus, Ohio. Filed Mar. 27, 1922. Serial No. 546,996. 1 Claim. (Cl. 126-114.)



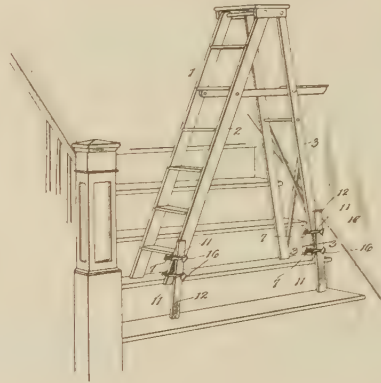
A fuel saver for burners of stoves comprising a thin metallic casing in the shape of a hollow inverted conic frustum, gripping fingers rising from the upper edge of the casing to pass over and around a skeleton frame in the top of a stove, both the inner and outer sides of said casing being covered with refractory material, said casing adapted to enclose a fuel burner so that its lower end extends below the burner and its upper edge is disposed close to the skeleton frame, the lower edge of the casing being provided with an opening to span the burner supply pipe, and notches to accommodate elements of the stove structure.

1,462,504. VAPORIZER. FREDERICK V. HADLEY, Needham, STANLEY BARNABY, Auburndale, and JOHN O. CLARKE, Forest Hills, Mass. Filed May 23, 1921. Serial No. 472,019. 14 Claims. (Cl. 158-75.)



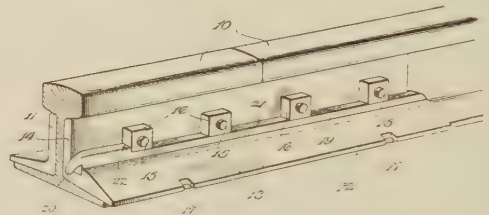
1. A vaporizer comprising a casing having a mixing chamber therein, means for introducing an annular series of jets of gaseous fluid under pressure into said chamber, means for delivering liquid in the paths of the respective jets, an abutment having an annular concave deflecting surface in the paths of said liquid-carrying jets acting to cause an eddying thereof in said mixing chamber whereby the liquid will be thoroughly atomized and mixed with said gaseous fluid and peripheral outlets in the end wall of said chamber for delivering the mixture.

1,462,505. LADDER ATTACHMENT. HOMER HUNT, Hartford, Conn. Filed July 15, 1922. Serial No. 575,202. 2 Claims. (Cl. 228-63.)



1. An attachment for ladders comprising a base plate adapted to bear against the side of a ladder leg, means for securing the plate to the ladder leg, bracket loops projecting from the side of the plate to receive an extension leg, bolts mounted in the bracket loops, and clamping plates swiveled on the inner ends of said bolts and provided on their inner faces with longitudinal ribs extending from end to end thereof adapted to be embedded in the extension leg, the end of the bolt being located between the ribs.

1,462,506. COMBINED RAIL JOINT AND NUT LOCK. DUDLEY W. JEFFRIES, Springfield, Mo. Filed Aug. 2, 1922. Serial No. 579,157. 1 Claim. (Cl. 238-262.)

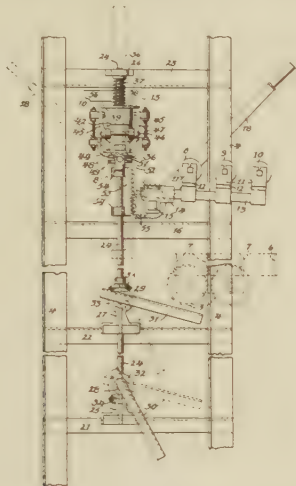


In a combined rail joint and nut lock, the combination of companion fish plates, rail securing bolts extending through said plates, nuts adjustable upon said bolts, one of the plates being provided with bottom and side flanges and having its bottom flange thickened toward the side flange thereof and formed at the base of said side flange with a longitudinally directed channel, and a locking bar slidably received in said channel and cut away longitudinally throughout the major portion of its length to define a flat locking face engaging said nuts locking the nuts against rotation as well as to define a vertical stop shoulder at one end of said face abutting one of said nuts and limiting the bar against forward endwise movement lying substantially flush at its ends with said plate, the bar being provided at its shouldered end with a downturned handle overhanging the adjacent end of said plate.

1,462,507. EMERGENCY CONTROLLER FOR ELEVATORS. ARTHUR J. JOHNSON, St. Paul, Minn., assignor to Standard Conveyor Company, a Corporation of Minnesota. Filed Mar. 15, 1921. Serial No. 452,582. 12 Claims. (Cl. 198-232.)

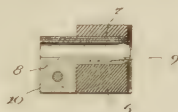
1. In combination with an elevator carrying a tray, a substantially vertical shaft revolvably supported on the elevator frame, arms mounted on said frame and projecting into the path of said tray, gearing connecting said arms

with said shaft, an arm connected with said shaft and arranged to be moved horizontally over a discharge station



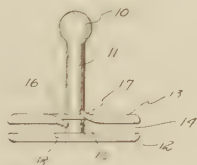
of said elevator and a switch adapted to be actuated when the motion of said arm is arrested by an obstacle on said discharge station.

1,462,503. BUFFER CHECK FOR LOOM PICKERS. JOSEPH JOHN KURTZ, Shamokin, Pa. Filed Aug. 1, 1922. Serial No. 578,872. 4 Claims. (Cl. 139—167.)



4. A buffer for use in connection with loom-pickers, said buffer comprising a hollow leg and a shoulder, said leg adapted to be attached to a recoil member, the cross-sectional shape of the buffer being substantially the same as the cross-sectional shape of a standard picker.

1,462,509. SECURE COLLAR BUTTON. FRANK XAVIER LIST, New York, N. Y. Filed Oct. 24, 1922. Serial No. 596,689. 2 Claims. (Cl. 24—90.5.)

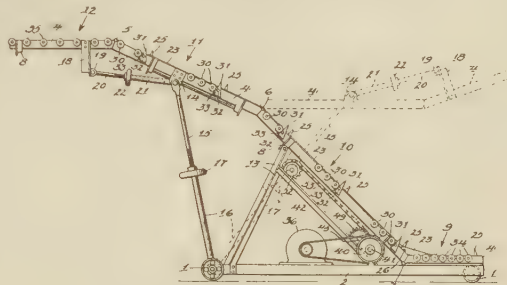


1. A device of the class described comprising an upper and lower disk rigidly united in spaced-apart relation, said upper disk having an eccentric circular cut-out therein, a shank on said upper disk adapted to pass thru a button hole, and means for guiding said button hole slit thru the cut-out into the space between the disks.

1,462,510. RECIPROCATING CONVEYER. CHARLES H. LISTER, North St. Paul, Minn., assignor to Standard Conveyor Company, a Corporation of Minnesota. Filed Nov. 21, 1921. Serial No. 516,619. 11 Claims. (Cl. 198—225.)

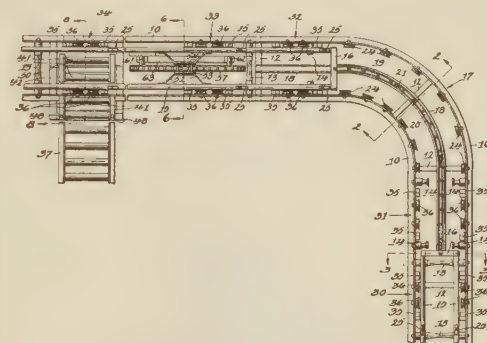
1. In a reciprocating conveyer, spaced guide rails, supports for said rails, a carrier movable longitudinally on

said rails, means for imparting reciprocating motion to said carrier, push lugs tiltably mounted on said carrier,



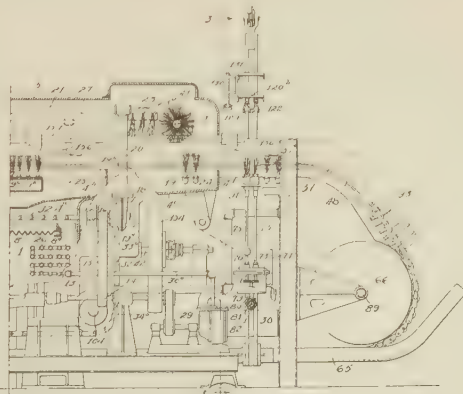
spaced rest stations on said rails and means for causing said push lugs to normally project to engage packages on said carrier and rest stations.

1,462,511. RECIPROCATING CONVEYER SYSTEM. CHARLES H. LISTER, North St. Paul, Minn. Filed Aug. 18, 1922. Serial No. 582,653. 12 Claims. (Cl. 198—218.)



1. In a reciprocating conveyer, parallel side rails, rollers mounted on said rails, rigid carriers supported on said rollers, said carriers being arranged to receive packages to be conveyed on their upper surfaces, elevated rest stations arranged at intervals on said rails to freely support packages above said carriers, means projecting from said carriers to engage packages on said rest stations, and means for imparting reciprocating movement to said carriers and thereby advance packages in step by step movement from one of said rest stations to another.

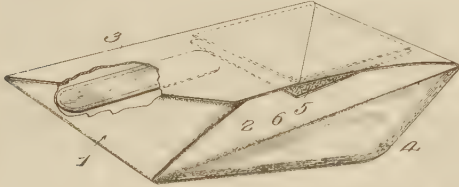
1,462,512. BOTTLE-CLEANING APPARATUS. CHARLES H. LOEW and JOHN R. GRUETTER, Lakewood, Ohio. Filed May 9, 1918. Serial No. 233,431. 6 Claims. (Cl. 15—60.)



4. In an apparatus of the character described, the combination, with a bottle carrier and means for moving the

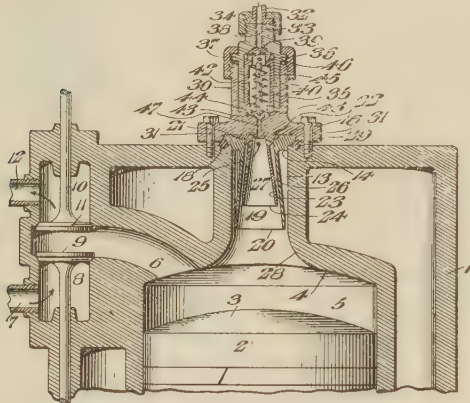
same intermittently, of a series of brush spindles for the bottles on said carrier, a support for said spindles, a series of sleeves adapted to surround and enclose the brushes of said spindles and interposed between the spindle support and the bottle carrier, a rock shaft, means for rocking the same, an arm operated by said shaft and having an angularly disposed slot therein one branch whereof is curved with said shaft, a stud connected with the spindle support and projecting into said slot, and a connection between said arm and said sleeves.

1,462,513. NOVELTY ENVELOPE. WILLIAM E. LOVER, Findlay, Ohio. Filed July 2, 1918, Serial No. 243,036. Renewed Dec. 11, 1920. Serial No. 430,043. 2 Claims. (Cl. 229—68.)



1. The combination with a relatively flat flexible walled receptacle, closed except for an open mouth, of a sheet of emery cloth or paper secured upon the inner faces of the front and back of the receptacle, the sheets opposing each other.

1,462,514. METHOD OF BURNING FUEL OIL IN INTERNAL-COMBUSTION ENGINES. EDWARD L. LOWE, Palo Alto, Calif. Filed Jan. 4, 1923. Serial No. 610,562. 4 Claims. (Cl. 123—33.)

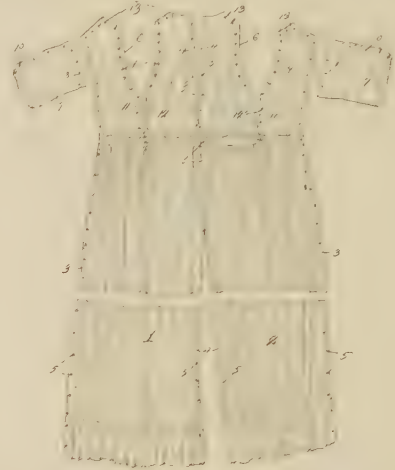


1. The method of burning fuel in an internal combustion engine, which consists in introducing the fuel into a chamber in communication with the working space of an engine cylinder and containing compressed air, independently heating a volume of compressed air in free communication with the intake and discharge ends of said chamber, segregating the lighter particles of the fuel, utilizing said independently heated volume of compressed air to ignite said segregated lighter particles of fuel, and permitting the ignited fuel to expand into the working space of the engine cylinder.

1,462,515. HOSPITAL GOWN. ELIZABETH MCELROY, Jacksonville, Fla. Filed Aug. 9, 1920. Serial No. 402,291. 1 Claim. (Cl. 2—145.)

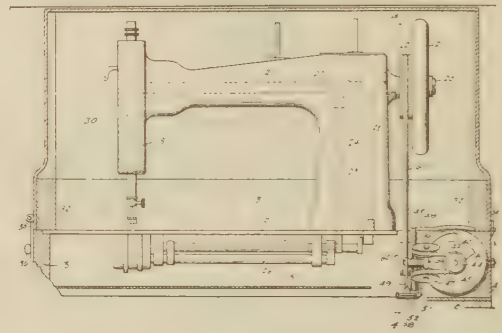
An operating gown, said gown comprising two elongated similarly shaped sections adapted to extend around the opposite sides of a patient, the outer and inner vertical sides of the sections being provided with fastening means positioned whereby when the sections are extended around the opposite sides of a person the fastening means of the sections will be centrally disposed in relation to the center of the back and the front of the person, thereby allowing the sections to be connected together in the

above mentioned positions and allowing the formation of pajamas by closing the leg portions of the sections, belt sections carried by the elongated sections, the upper ends



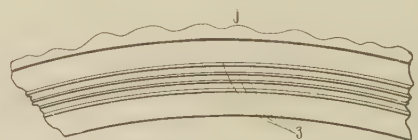
of the elongated sections being bifurcated to a point adjacent the belt and substantially equidistant from the sides of the sections, said sections being proportioned whereby the bifurcations will register with the sides of the person and the arms when the sections are positioned on the opposite sides of the person.

1,462,516. MOTOR DRIVE FOR SEWING MACHINES. ARTHUR T. MACE, East Cleveland, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 27, 1919. Serial No. 279,474. 8 Claims. (Cl. 112—220.)



1. In a portable sewing machine having an operating shaft, the combination of a sewing machine frame having a hollow base portion, a motor secured within the base portion and enclosed by an end extension thereof, power transmitting means extending from the hollow base portion to the operating shaft, and driving means connecting the motor and the power transmitting means including an intermediate speed reduction means interposed therebetween and completely enclosed by the base.

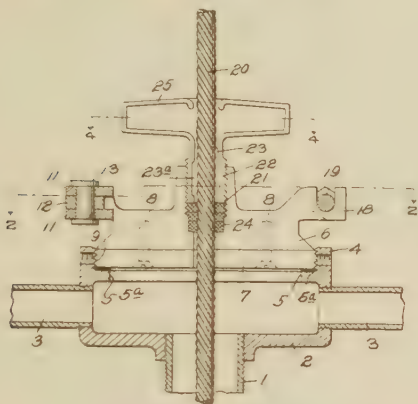
1,462,517. TIRE BEAD AND METHOD OF MAKING THE SAME. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 6, 1920, Serial No. 394,230. Renewed Jan. 9, 1923. 16 Claims. (Cl. 18—53.)



1. A cord or fabric tire casing having bead edges covered by the laminations of its rubber-coated carcass

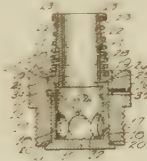
material, said material carrying substantially less rubber coating around the beads than in the side walls and tread of the casing.

1,462,518. OIL SAVER. CLARK F. RIGBY, Butler, Pa. Filed Sept. 24, 1919. Serial No. 325,987. 4 Claims. (Cl. 286—16.)



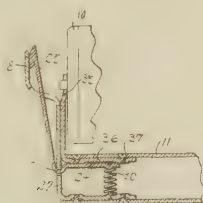
1. In a well closure device, a packing chamber, a vertically divided screw member adapted to compress packing in said chamber and having a vertical passage for a well cable and substantially horizontal, internal recesses for lubricant adjacent said passage.

1,462,519. HOLLOW-STEM SUCTION VALVE. PAUL R. ROTHE, Chicago, Ill. Filed Feb. 7, 1921. Serial No. 443,160. 3 Claims. (Cl. 251—144.)



1. A device of the character described comprising a valve casing having a plurality of radially extending openings through the side wall thereof, a tubular valve slidably disposed in said casing, a spring for normally elevating said valve in said casing to close the radial openings in said casing and to close the mouth of said casing, said valve being formed with a plurality of openings in its side wall and adapted to permit the passage of a fluid therethrough when said valve is forced downwardly against the action of said spring and the mouth of said casing opened.

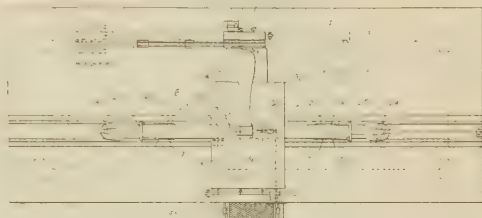
1,462,520. SPOOL-BEARING BRACKET FOR YARN-TUBE FRAMES. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed June 30, 1922. Serial No. 571,853. 9 Claims. (Cl. 139—10.)



9. In a loom, a pattern chain, a supporting tube, a spool bearing bracket secured thereto, a substantially

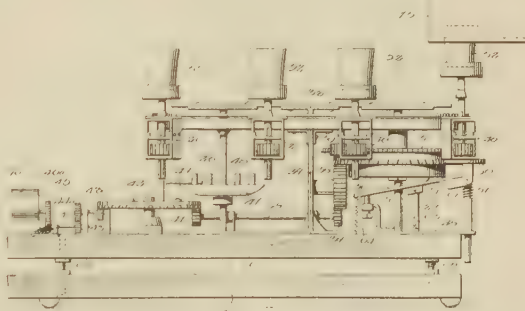
rigid chain engaging hook pivotally mounted on said bracket and extending within the tube, and means to force said hook yieldingly outward.

1,462,521. STITCHING MECHANISM. LAURENCE SARTORE, Pittsburgh, Pa., assignor of one-half to Decimo Foglia, Pittsburgh, Pa. Filed Feb. 19, 1921. Serial No. 446,502. 10 Claims. (Cl. 112—2.)



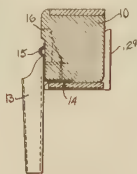
1. Mechanism for stitching sausage skins and the like while in a moist condition which consists in a stitching element proper comprising a pair of spaced needles, a carriage movable in a line beneath said needles, and means on said carriage arranged to engage and support a section of sausage skin solely along the longitudinal edges thereof in such position as to subject the same adjacent the longitudinal edges thereof to the stitching action of the needles.

1,462,522. GLASS FINISHING AND POLISHING MACHINE. GROVER CLEVELAND SCOTT, Watson, W. Va. Filed June 20, 1921. Serial No. 478,854. 10 Claims. (Cl. 49—1.)



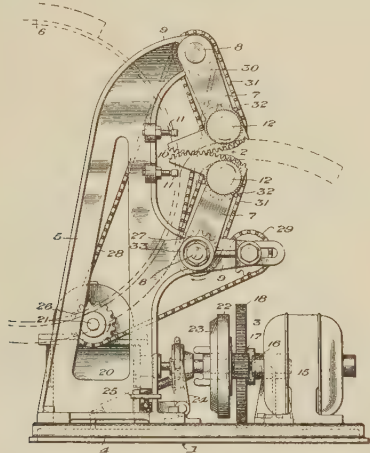
3. A machine of the character described including a table, a carrier movable around and upon the table, up-right shafts, one of which is rotatable, carrier actuating members on the shafts, a gear wheel loose on the other shaft, means for intermittently rotating the first shaft and thus moving the carrier, means for constantly rotating said gear, a vertically shiftable member adjacent to the gear, a cam rotating with the gear for actuating said shiftable member, a plurality of glass holders each having a stem movable with the carrier above said shiftable member, and a gear splined on the stem and engageable with the first named gear, and a frame on the carrier for each holder, in which the holder stem is journaled to rotate and shift vertically, and in which the gear of said stem is freely rotatable and confined against vertical shifting movement with the stem, and a vertically adjustable support for said mechanism consisting of a platform on which the mechanism is mounted, and a base with which the platform is adjustably associated.

1,462,523. YARN-TUBE FRAME. JOHN G. SODERBERG, Worcester, Mass., assignor to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed Mar. 6, 1922. Serial No. 541,278. 1 Claim. (Cl. 139—10.)



A yarn tube frame comprising a bar having a longitudinally extended depressed portion, a sheet metal strip secured to said bar in said depressed portion, and a plurality of yarn tubes fixed to said strip, said metal strip having an integral longitudinally extended corrugated rib displaced outwardly from its surface adjacent the upper ends of said yarn tubes and protecting the ends thereof, the tube supporting portion of said strip and the longitudinally ribbed portion thereof being disposed entirely in said depressed portion of said bar.

1,462,524. TIRE-STRIPPING APPARATUS. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 13, 1922. Serial No. 536,381. 16 Claims. (Cl. 154—9.)

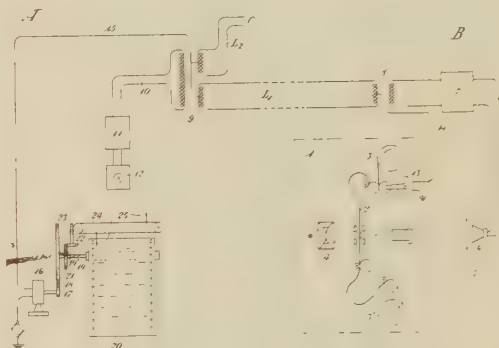


11. Apparatus for stripping the rubber portion of solid tires from their metal rims, comprising, a support, a pair of vertically arranged superposed brackets having their respective ends journaled respectively thereon and their adjacent free ends adapted to oscillate respectively in reverse arcuate paths, toothed segments connecting the adjacent ends of the brackets for simultaneous oscillation, adjustable stops upon the support for limiting the movement of the brackets in one direction, a fluted roller mounted upon the free end of each bracket for rotation about an axis parallel with the journaled axis thereof, a second roller mounted for rotation about the journal axis of the lower bracket, and means for rotating the fluted rollers.

1,462,525. ARRANGEMENT FOR PRODUCING COMPLEMENTARY VISUAL AND AUDIBLE EXHIBITIONS. GEORGE K. THOMPSON, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 11, 1922. Serial No. 551,743. 5 Claims. (Cl. 179—4.)

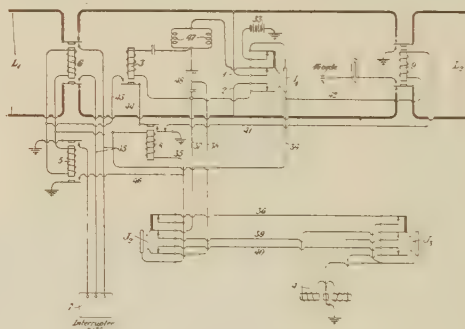
1. An arrangement for simultaneously producing visual and audible exhibitions comprising a plurality of

branch stations having telephonic apparatus and motion picture apparatus thereat, and a master station including means for regulating the operation of the moving picture



apparatus at said branch stations, transmitting means cooperating with the telephone apparatus at said branch stations, and means controlled by said regulating means for directing the operation of said transmitting means.

1,462,526. COMPOSITE RINGER SET. JOHN F. TOOMEY, New York, and WILLIAM H. HARRISON, Hollis, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 31, 1920. Serial No. 434,279. 5 Claims. (Cl. 179—4.)

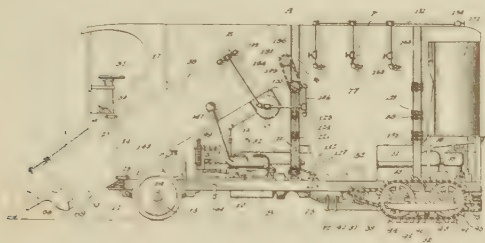


1. A transmission line, a bridge across said line including switching means, composite ringer apparatus including ringing responsive relays associated with said bridge over the contacts of said switching means, a testing apparatus adapted to be associated with said switching means, said testing apparatus comprising a testing circuit including a source of ringing current, a plurality of relays and a variable resistance network, and a control circuit including a plurality of keys and adapted to be associated with said testing circuit, said keys controlling said relay means in said testing circuit and said relay means controlling said variable resistance network and the application of ringing current from said source to said testing circuit whereby the amount of ringing current applied from said testing circuit to said composite ringer apparatus may be varied.

1,462,527. SNOW REMOVER. MARKS JOSEPH TULLY, Brooklyn, N. Y. Filed June 11, 1920. Serial No. 388,285. 9 Claims. (Cl. 37—12.)

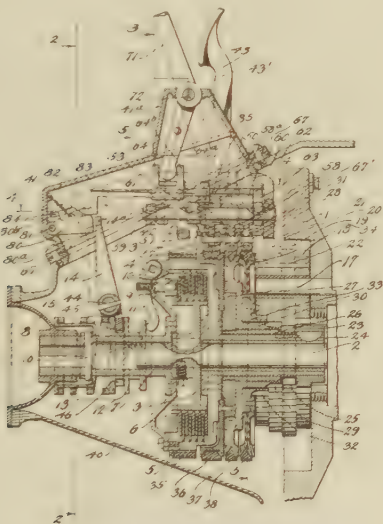
1. In a snow removing machine, a plow, an endless inclined conveyor arranged in rear of the plow, super-

posed conveyors arranged in rear of the first mentioned conveyor, means for spraying the snow with water to



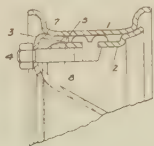
reduce the same to a slush, and means for acting on the snow in rear of the water spraying device.

1,462,528. VARIABLE-SPEED TRANSMISSION GEAR. JAMES H. WATSON, Riverton, Wyo., assignor of one-half to F. Chatterton, Riverton, Wyo. Filed June 3, 1922. Serial No. 565,514. 20 Claims. (Cl. 74-34.)



1. In a variable speed transmission gearing, the combination with a driving member, of a driven member, a clutch connection, multiple speed planetary gearing between the members, selective means controlling the planetary gearing, and means acting independent of the selective means for automatically locking the clutch in an open position when the planetary gearing is in operation.

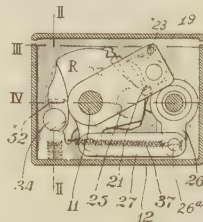
1,462,529. MEANS FOR SECURING REMOVABLE RIMS. JOHN R. WINTER, Lansing, Mich. Filed Jan. 10, 1921. Serial No. 436,111. 7 Claims. (Cl. 301-22.)



1. In a device of the character described, a locking ring adapted to extend circumferentially of the wheel and provided with an inwardly extending flange adapted to contact at its outer surface with the rim of the wheel

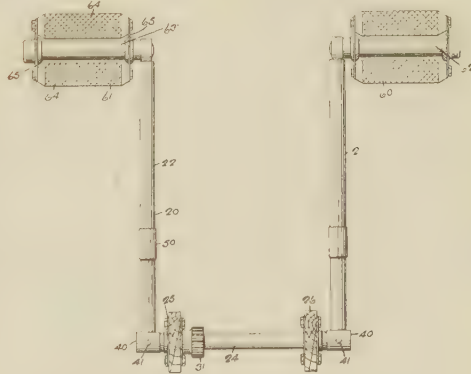
and at its inner with the felly, a part of the flange extending outwardly of the felly in spaced relation therewith, and the inner edge portion of said ring being adapted to contact with the felly.

1,462,530. GEAR-SHIFT MECHANISM. JAMES S. ALSPAUGH, Portsmouth, Ohio. Filed July 5, 1922. Serial No. 572,994. 9 Claims. (Cl. 74-58.)



1. In a motor vehicle having a foot lever and a gear shift rod, means for reciprocating said gear shift rod comprising, in combination, a rock shaft having means for engaging said gear shift rod, a pair of levers connected together and to said rock shaft to cause a back and forth motion of said rock shaft when said levers are alternately and successively moved in the same direction, means operated by the foot lever for imparting such movements to said levers and a selector plate on said rock shaft cooperating with said levers and means for controlling the operation of the selector plate to cause the shifting of said levers from shifted to neutral position by successive operations of the foot lever.

1,462,531. RUDDER CONTROL. MILTON C. BAUMANN, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 23, 1920. Serial No. 405,391. 9 Claims. (Cl. 244-29.)

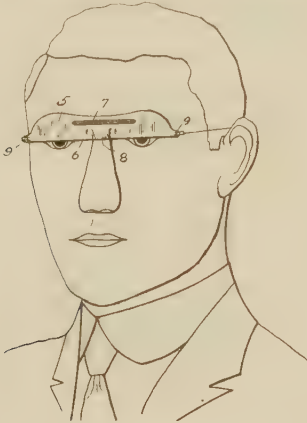


1. In an aeroplane, a rudder control comprising a pair of operating levers substantially in lateral alignment for normal rudder position; a pivotal mounting for each lever; and means positively interconnecting said levers and permitting the adjustment of the position of both levers relative to the operator's seat, whereby the lateral alignment in the new position, for normal rudder position, is retained.

1,462,532. NONGLARE EYESHIELD. FRED W. BONNER, Pottstown, Pa. Filed Feb. 23, 1922. Serial No. 538,449. 2 Claims. (Cl. 2-149.)

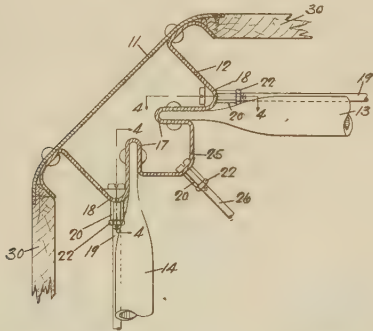
1. As a new article of manufacture, a non-glare eye shield formed from flat sheet material with a vertical

non-glare eye-shield wall having a straight-line bottom marginal edge adapted to extend horizontally across the



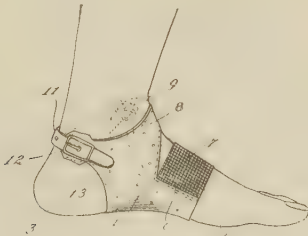
medial line of vision, an intermediate reversely-bulged nose-rest portion, and end portions adapted for head-support connections.

1,462,533. FUSELAGE CONSTRUCTION FOR AIRCRAFT. VIRGINIUS E. CLARK, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 4, 1922. Serial No. 534,228. 8 Claims. (Cl. 244—30.)



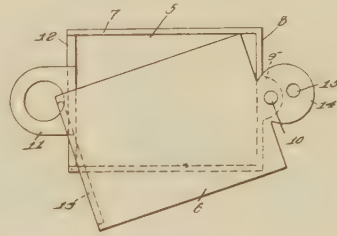
7. A fuselage frame for aircraft comprising: longerons built up from sheet metal; a plurality of struts and diagonal tie members connecting said longerons in such a manner as to form trusses, said diagonal tie members being attached to said longerons at the tips of salient bends in said longerons.

1,462,534. ARCH SUPPORTER. MICHAEL J. CONDYLLIS and JESSIE C. CLARKE, Louisville, Ky. Filed June 14, 1921. Serial No. 477,476. 4 Claims. (Cl. 128—166.)



1. In an arch supporter, the combination of a soft, pliable, non-elastic support for the concave of the arch with an elastic webbing of substantial width throughout engaging the non-elastic support on each side and adapted to extend over the arch, with straps, one to adjust the tension of the support vertically and the other adapted to extend back of the heel to hold the supporter in place.

1,462,535. STAMP CONTAINER. LUCILLE COX, Chicago, Ill. Filed Nov. 5, 1921. Serial No. 513,063. 1 Claim. (Cl. 206—39.)

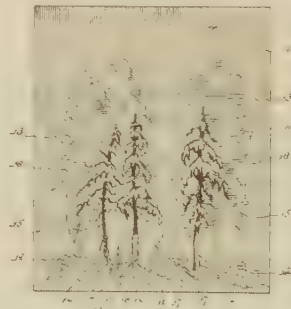


In a container, opposed sections pivotally connected, one of said sections having a tongue disposed at one end thereof and located intermediate the side edges thereof and having a cut out portion formed at its opposite end between the side walls thereof, the opposite section having a flange depending from the under surface thereof, said flange being of a width to fit within the cut out portion of the opposed section, the ends of said flange adapted to contact with the end walls of the cut out portion to lock the sections together.

1,462,536. COLORED ARTICLE. NICOLAS V. DE LIPSKI, New York, N. Y., assignor of one-half to Elaine Hale Phillips, New York, N. Y. Filed Dec. 10, 1920. Serial No. 429,830. 3 Claims. (Cl. 88—1.)

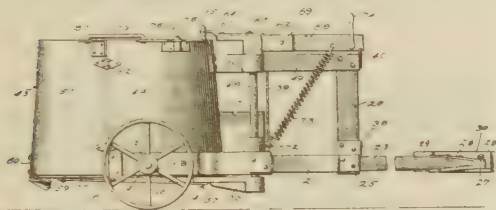
1. An article bearing surface decorations of a plurality of superimposed designs or pictures in colors and shades combined and overlapped, the coloration and shading of each of the designs or pictures being such that when combined with a given colored illumination said design or picture and cooperating parts of the other design or picture appears to the eye and undesired colors and shades constituting parts of other designs or pictures are neutralized or modified to accord with the design or picture appearing.

1,462,537. CHANGEABLE SCENIC EFFECT. NICOLAS V. DE LIPSKI, New York, N. Y., assignor of one-half to Elaine Hale Phillips, New York, N. Y. Filed Apr. 12, 1922. Serial No. 551,950. 4 Claims. (Cl. 46—70.)



1. Scenery for stage settings comprising one scene painted in colors and superimposed shades of color to produce the visual effect of said scene in colors and hues when subjected to a colored light and a second scene painted in colors and superimposed shades of color combining with and overlapping the colors and shades of color of the other scene to harmonize and neutralize therewith in producing the visual effect of said second scene in colors and hues when the scenery is subjected to light of another color from that producing the first mentioned scene, the colors for the two scenes being so applied that each scene is distinctly visible to the eye independently of the other under the influence of the colored lights, respectively.

- 1,462,538. GRAIN SHOCKER FOR HARVESTER BINDERS. JOSEPH E. DERY, Edgley, N. Dak. Filed Apr. 20, 1921. Serial No. 462,905. 9 Claims. (Cl. 56-401.)



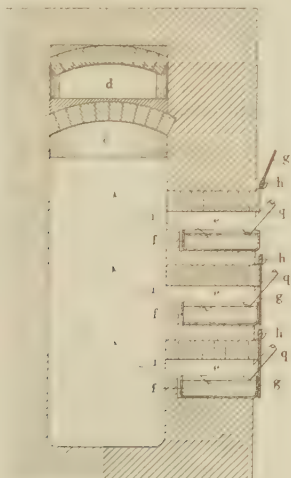
7. A shocker comprising a shock former consisting of a stationary front section and a movable rear section, a bearing carried by the former, a vertical shaft journaled in said bearing, a disk connected to the lower end of said shaft and adapted to constitute the bottom of the former, an operating lever secured to the shaft and having connection with the movable section of the former.

- 1,462,539. HUSKING ROLLS. FRED B. DUES, Minster, Ohio. Filed Apr. 17, 1922. Serial No. 553,474. 2 Claims. (Cl. 130-5.)



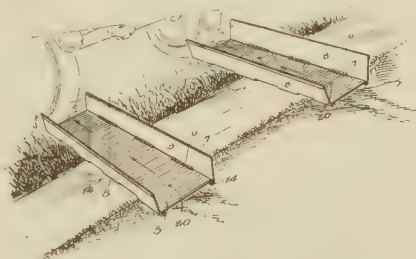
2. A husking roll having radial sockets, there being intersecting obliquely disposed grooves in the roll radiating from the sockets, the walls of the intersecting grooves forming angular projections at their points of intersection, said grooves decreasing in depth from the socket to their ends.

- 1,462,540. FURNACE. ALFRED FESTA, Paris, France. Filed Mar. 30, 1921. Serial No. 456,962. 2 Claims. (Cl. 158-4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



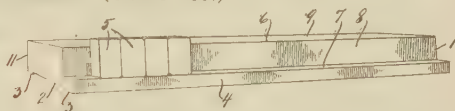
1. A regenerative heating apparatus including a masonry body, a furnace supported thereby, a flue supplying combustion air to the interior of the furnace, superposed compartments communicating with the exterior air and provided in the wall of the body, fuel receiving troughs located in said compartments, means to regulate the intake of external air into each of these compartments so as to produce only incomplete combustion of the fuel, another flue with which each of the compartments communicate separately and directly, said last mentioned flue being arranged so as not to communicate with the exterior air and being placed parallel to the flue supplying the combustion air and also emptying into the interior of the furnace, so as to carry therein the gasified product arising from the incomplete combustion of the fuel in the said compartments.

- 1,462,541. PORTABLE BRIDGE. RICHARD D. GALLAGHER, Bay St. Louis, Miss. Filed Apr. 13, 1923. Serial No. 631,895. 1 Claim. (Cl. 14-1.)



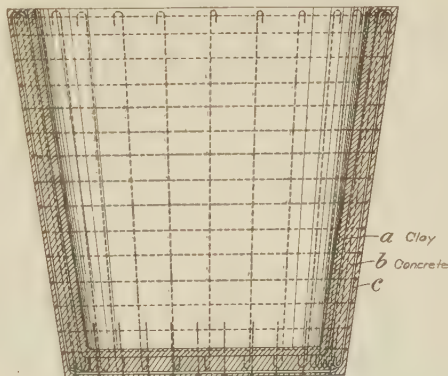
An emergency collapsible bridge comprising a metallic bottom wall having its longitudinal edges formed with spaced hinge barrels, side walls provided with spaced hinge barrels arranged between and in alignment with the first named hinge barrels, and hinge pins extending through said hinge barrels for hingedly connecting the side walls to the bottom wall, said side walls being provided with a plurality of inwardly curved lips adapted to flatly contact with the under side of the bottom wall to limit the outward swinging movement of the side walls and to effectively brace the bottom walls, the longitudinal edges of the bottom wall being formed with depending reinforcing beaded portions surrounded by said curved lips, said curved lips being of spring metal and adapted to closely embrace said depending beaded portions whereby to hold the side walls in an upright position.

- 1,462,542. RACK. WILLIAM A. HAMMOND, San Francisco, Calif. Filed Mar. 8, 1923. Serial No. 623,760. 2 Claims. (Cl. 46-55.)



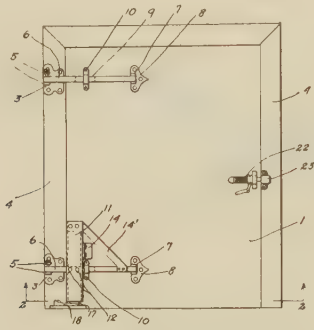
1. A rack for tiles of the character described, comprising an elongated block of material having an inclined frontal ledge and an inclined front face above the same allowing the tiles to rest on the ledge and the front face in a slightly reclined position and a back face substantially parallel to the front face allowing the rack to be turned on the same without disturbing the tile arrangement.

- 1,462,543. VESSEL. KARL GUSTAV HANHART, Ruschlikon, Switzerland, assignor to Farberei Weidmann A.-G., Thalwil, Switzerland. Filed Mar. 24, 1920. Serial No. 368,432. 1 Claim. (Cl. 72-14.)



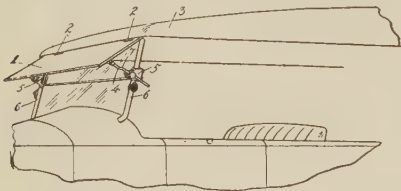
A large tank adapted to be highly heated from the interior and used in the chemical industry including a prepared inner vessel of calcined clay and an outer strong shell formed of reinforced concrete.

1,462,544. DOOR-CLOSING DEVICE. JULIUS HAUENSTEIN, Jersey City, N. J. Filed Jan. 25, 1922. Serial No. 531,636. 1 Claim. (Cl. 16—154.)



The combination with a door and its frame, of a closing device comprising a pair of hinge bars secured to the door, hinge plates secured to the frame, a pair of spaced horizontal ears extending from the frame plates, a vertical pin rigidly supported to extend between each pair of ears, the outer extremities of said bars extending beyond the door and being rotatably supported by said pins as axes, said hinge bars being adapted to rise and fall on said pins between each pair of ears during opening and closing, of the door, a channelled frame secured in vertical position to the lower hinge bar, a roller axially mounted at the lower end of said frame between the sides thereof and extending below the lower extremities of said frame, and an arcuate inclined cam track secured to the floor beneath the roller, said roller being adapted to engage the lower end of the cam track when closed and to ride upward on said track during opening of the door, the weight of the door causing said roller to descend said track when the opening force on the door has been released, to cause said door to close.

1,462,545. WINDSHIELD ATTACHMENT FOR AUTOMOBILES. HENRY HIGGIN, Newport, Ky., assignor to The Higgin Manufacturing Company, Newport, Ky., a Corporation of West Virginia. Filed Nov. 19, 1921. Serial No. 516,298. 2 Claims. (Cl. 296—95.)

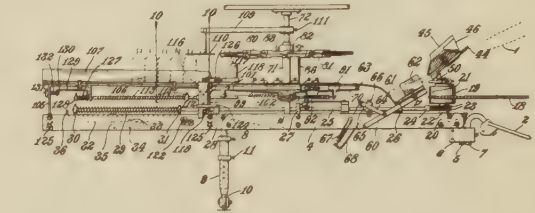


1. In a glare guard attachment, the combination of a rod and a clamp, the clamp comprising clamp members, with means for clamping the same on a support, a bolt and nut carried by the clamp, the bolt having a transverse opening for the passage of the rod, and a clamp washer on the bolt to engage the rod to lock the same when the nut is tightened, a coupling for the rod to the glare guard to permit longitudinal rotation of the rod, with the rod provided with a longitudinal bend to permit of lateral adjustment of the clamp.

1,462,546. BOTTLE-HANDLING DEVICE. HANS HILLMANN, Alton, Ill., assignor to Illinois Glass Company, Alton, Ill., a Corporation of Illinois. Filed Apr. 30, 1919. Serial No. 293,887. 23 Claims. (Cl. 214—1.)

1. In a bottle handling device, the combination with a cooling table on which the bottles are adapted to rest for a definite period before being further handled, of an assembling table distinct from said cooling table and adapted to receive the bottles directly therefrom, means

for delivering the bottles from a bottle forming machine to said cooling table, means cooperating with said cooling table adapted to vary the cooling period of the bottles thereon, and means for delivering the bottles from said cooling table directly to said assembling table.



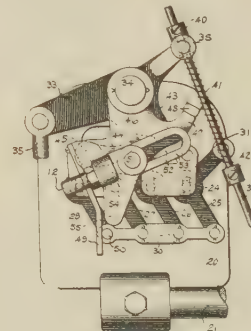
10. In a bottle handling device, the employment of a cooling table comprising, a carrier having bottle seats, a pair of adjustable supports, guides on each support adapted to engage the bottle necks, and means for adjusting said supports towards and from said carrier.

1,462,547. INTERCHANGEABLE-CHARACTER CONSTRUCTION. MICHAEL J. HOGAN, Chicago, Ill. Filed Dec. 12, 1921. Serial No. 521,582. 2 Claims. (Cl. 40—140.)



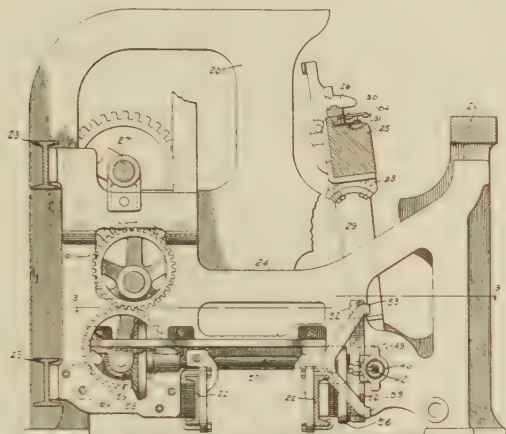
1. An interchangeable character construction, comprising a tablet having a slot therein, and a plurality of characters each having a hook-like shank engageable in said slot, said tablet comprising an integral metal plate in which the slot is located, having a longitudinally extending lip overhanging a portion of said slot for retaining said hook-like shank, said slot being open on the front face of said integral metal member, the material of said integral metal plate extending across and closing the rear of said slot to prevent foreign material from entering said slot from the rear and to provide a finished appearance to the rear of said tablet.

1,462,548. WARP STOP MOTION. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 11, 1921. Serial No. 436,427. 5 Claims. (Cl. 139—92.)



1. A warp stop motion having, in combination, a plurality of drop wires, an actuator, loom stopping mechanism, and normally inoperative connections between said actuator and said stopping mechanism, said connections being rendered operative by a fallen drop wire and said stopping mechanism being thereafter actuated to stop the loom and to restore said connections to normal inoperative condition as the loom is stopped.

1,462,549. NARROW-WARE LOOM. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 17, 1921. Serial No. 437,693. 11 Claims. (Cl. 139—188.)

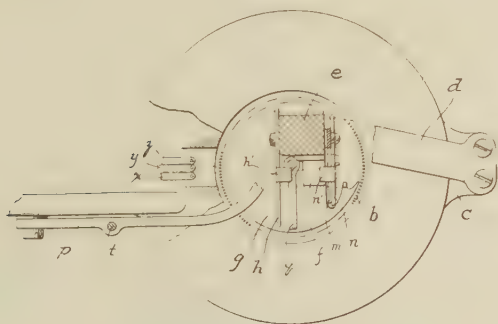


1. A narrow ware loom having in combination, a lay mounted to swing about a fixed axis, a rack bar mounted to slide longitudinally thereon, a member mounted to reciprocation along the axis of movement of the lay, and connections between said member and said bar, portions of said connections being substantially aligned with said axis and being movable along said axis.

1,462,550. BOILER-SCALE REMOVER. CHARLES H. HOPPE, Devils Lake, N. Dak. Filed June 4, 1921. Serial No. 475,160. 6 Claims. (Cl. 87—27.)

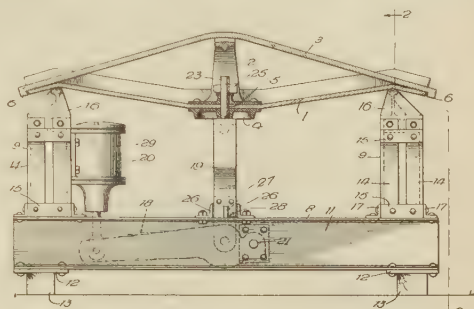
1. An antiscale compound, consisting of horn, sodium carbonate, calcium phosphate, and coal tar.

1,462,551. CIRCULAR-KNITTING MACHINE. WILBUR L. HOUSEMAN, Philadelphia, Pa., assignor to Standard Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 3, 1922. Serial No. 558,147. 12 Claims. (Cl. 66—12.)



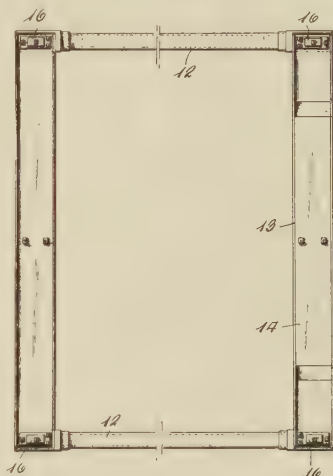
1. The combination with an oscillatable needle cylinder, a plurality of yarn guides, a clamp and a cutter, of a deflector so positioned that that portion of the floating end of cut yarn which is adjacent the fabric is carried, in the travel of the needle cylinder in one direction, beyond the deflector, the said deflector being adapted to engage said floating end in the reverse travel of the needle cylinder and draw it out of position to accidentally engage with the needles.

1,462,552. MACHINE FOR ASSEMBLING TRUSSES. CHARLES FRANCIS HUNTOON, Chicago, Ill. Filed Mar. 27, 1922. Serial No. 547,162. 3 Claims. (Cl. 29—84.)



1. A device of the class described comprising a base, a pair of supports on said base for supporting a compression member adjacent its ends, a lever pivotally mounted on said base, a link pivotally connected to said lever and arranged for attachment to the compression member intermediate its points of support, and mechanism arranged to shift said lever so as to draw said link for flexing the compression member, said link and base having coacting shoulders for limiting the movement of said link under the action of said mechanism.

1,462,553. GANG-SAW FRAME. OSCAR L. JOHNSON, Proctor, Vt., assignor to Vermont Marble Company, a Corporation of Vermont. Filed Sept. 5, 1922. Serial No. 586,182. 2 Claims. (Cl. 125—17.)

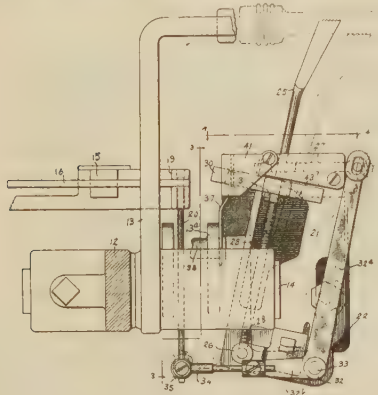


1. A gang saw frame for stone sawing machines having a head block consisting of channel bars spaced apart from each other and secured together and to the side bars of the frame, said channel bars being provided with reinforcing steel webs welded at their edges to the flanges of said channel bars.

1,462,554. WEFT-DETECTOR MECHANISM. CHARLES E. KNOWLTON, North Grafton, and EPPA H. RYON, Waltham, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 3, 1920. Serial No. 386,303. 3 Claims. (Cl. 139—242.)

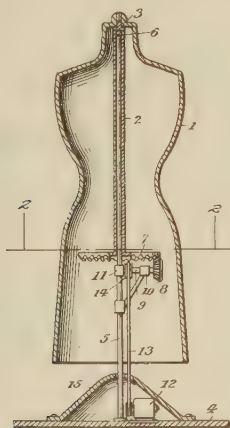
1. In a loom, a weft detecting mechanism comprising a stand, a weft detector mounted for both longitudinal and angular movement on said stand, a recessed link through which said detector extends, an actuator lever, a rod movable into and out of the path of said lever to render the latter operative or inoperative, and a bell crank to which said rod and said link are both directly connected, said

crank being mounted on said stand adjacent said detector and being movable in a horizontal plane through said link by said detector to move said rod across the path of



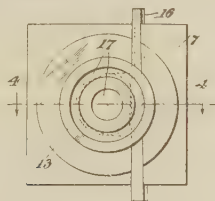
said actuator and thereby change the axis of movement of said actuator when said detector is moved angularly by engagement with a substantially exhausted weft carrier.

1,462,555. MODELING DRESS FORM. IGNATIUS F. KOBLINSKY, Saginaw, Mich. Filed Apr. 15, 1922. Serial No. 553,291. 3 Claims. (Cl. 211—13.)



1. In a device of the class described comprising a base, a rod extending vertically from said base, a dress form, a tubular member carried by the upper end of said dress form and extending downwardly therein and adapted to be received upon the vertically extending rod, a gear carried by the lower end of said tubular member, a second gear carried by the said rod and meshing with the first mentioned gear, and means for rotating said gears and dress form.

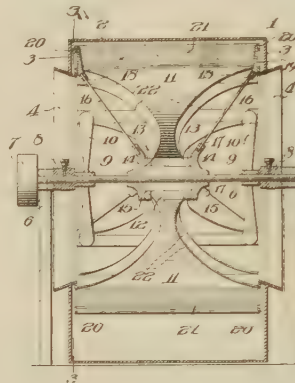
1,462,556. DIE MOUNTING. CHARLES A. KROPP, River Forest, Ill., assignor of one-third to Alfred Nordstrom, Berwyn, Ill., and one-third to Roy A. Kropp, River Forest, Ill. Filed Feb. 10, 1922. Serial No. 535,483. 5 Claims. (Cl. 18—60.)



1. A die mounting comprising a body provided with a stem; a holder having a socket therein somewhat larger

than said stem to permit direct insertion of said stem and lateral movement of said stem in said socket, the walls of said socket and the sides of said stem being arranged to engage with each other upon lateral movement of said stem in said socket; and means for securing said stem in said socket in interlocking relation with the walls thereof, substantially as described.

1,462,557. BLOWER OR SUCTION FAN. CHARLES A. KUENZEL, Jr., Bloomfield, Nebr. Filed Jan. 24, 1922. Serial No. 531,349. 6 Claims. (Cl. 230—11.)



1. In a device of the character stated, a rotary fan, comprising a fan shaft, hub brackets secured to said shaft, each of said brackets being provided with radial ribs juxtaposed to and facing each other, fan blades having their inner terminals secured to said shaft and to said ribs, outer rings to which the outer terminal edges of said fan blades are secured, outer radial arm brackets secured to said rings, and radial arms having their inner and outer ends secured to said hub brackets and outer brackets respectively.

1,462,558. SAFETY RAZOR. JOHN F. LEFFLER, Pittsburgh, Pa. Filed Aug. 9, 1922. Serial No. 580,662. 4 Claims. (Cl. 30—12.)

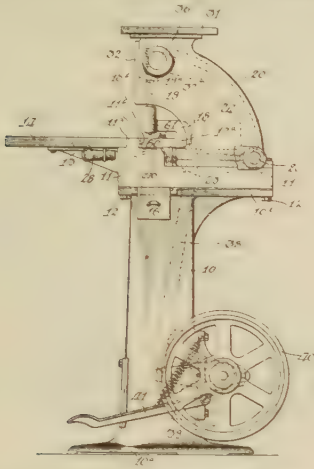


1. A safety razor comprising an integral blade holding and handle member having flanges along the side edges thereof, a blade provided with lugs arranged to engage in said flanges, a flexible guard on said blade holding and handle member, and a panel arranged to slide in the flanges of said blade holding and handle member for securing the razor blade in position therein.

1,462,559. PAPER-PUNCHING PRESS. ERNEST LESCHHORN, Chicago, Ill., assignor to Latham Machinery Company, a Corporation of Illinois. Filed May 5, 1921. Serial No. 466,916. 10 Claims. (Cl. 164—91.)

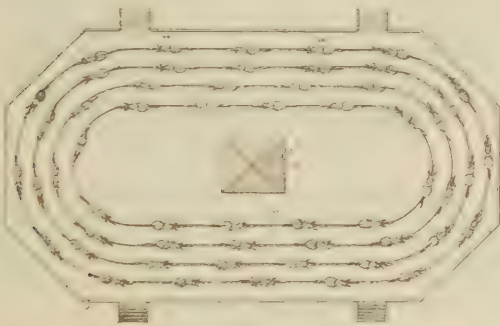
1. In a press for punching sheets of paper and the like, the combination with a movable ram, a punch block clamp comprising a fixed clamping jaw and a movably

mounted plate, a clamping jaw carried by said plate for co-operating with the first said clamping jaw, a rotatable



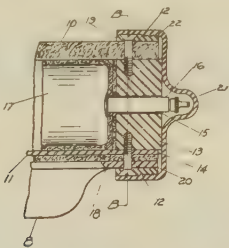
shaft adjacent said movably mounted plate, and an eccentric cam rotatable with said shaft and bearing directly on said plate.

1,462,560. MECHANICAL RACING COURSE. GEORGE LANGLUMÉ and EDWARD J. YBARZABAL, New Orleans, La. Filed Nov. 29, 1922. Serial No. 604,026. 3 Claims. (Cl. 104—61.)



1. A carriage for use on mechanical race tracks comprising a pair of channel beams, a pair of wheels rotatably mounted at the end portions of the beams, and adapted to be mounted upon a single track, a standard having diverging attaching arms secured to said channel beams, a pair of brackets secured to said channel beams and having rollers adapted to engage guide members whereby to hold the carriage in vertical position, and means whereby to brace said standard.

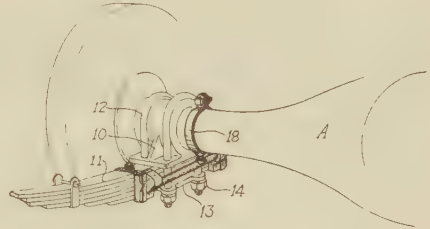
1,462,561. AIR-CUSHION BUMPER FOR MOTOR VEHICLES. BRUNO LEWANDOWSKI, Los Angeles, Calif. Filed May 9, 1922. Serial No. 559,534. 2 Claims. (Cl. 293—55.)



1. In a bumper for automobiles, a bumper bar carried on the forward end of the automobile, an air cushion

bumper resting against the forward side of said bar, a ring fitting over each end of said bumper and an end of said bar, means for securing said rings to said bumper and to said bar, and caps fitting over said rings and over the ends respectively of said bumper.

1,462,562. SPRING-OILING DEVICE. WILFRED G. MARTIN, Peoria, Ill. Filed Aug. 18, 1922. Serial No. 582,655. 6 Claims. (Cl. 184—1.)

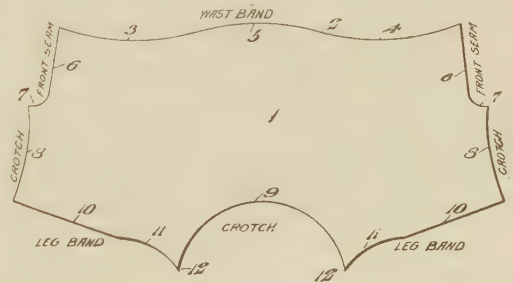


1. In a spring oiling device, including, in combination, a differential and axle housing, a spring member, and means, including connections between the differential housing and spring member, whereby oil in the differential is fed, due to the rotary action of the axle therein, to said spring member.

1,462,563. METHOD OF LUBRICATING RUBBER MOLDS. ARTHUR G. VOLTZ, Cleveland, Ohio. Filed Jan. 19, 1922. Serial No. 530,436. 5 Claims. (Cl. 18—53.)

1. The method of lubricating a rubber mold which includes the steps of preparing a mixture of stearin boiled in water, adding sodium borate, ammonia hydroxide and sodium chloride, and spraying the mixture upon the molding surfaces of the mold cavities prior to the filling of the mold cavities with rubber compound.

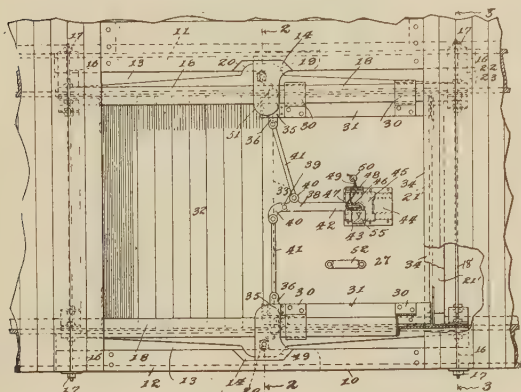
1,462,564. DRAWERS BLOOMERS FOR WOMEN. WILLIAM WEINER, Philadelphia, Pa. Filed July 13, 1922. Serial No. 574,610. 1 Claim. (Cl. 2—122.)



A woman's bloomers, comprising a blank of a single piece of material having an upper unbroken waistband edge composed of the central convex portion 5 and the outer uninterrupted concave portions 3 and 4, from the outer ends of which lead the downwardly diverging front seam edges 6, terminating in the outwardly curved portions 7 from which lead the slightly concaved outwardly diverging crotch seam edges 8, of substantially the same length as said edges 6, from which edges 8 lead the downwardly converging leg band seam edges 10, terminating in the slightly concaved portions 11 having the deeply concaved semicircular crotch seam edge 9, the central height of said blank between the top of said waist band and the inner portion of said crotch seam edge being substantially the same as the combined length

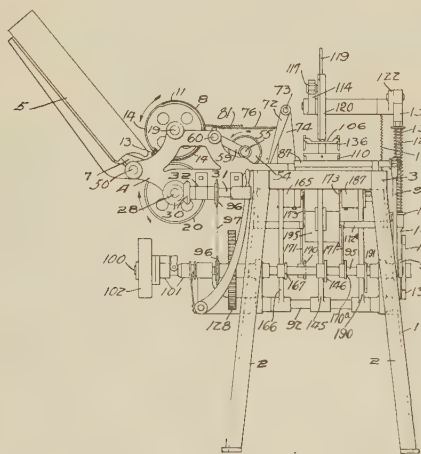
of the edges 6 and 8, whereby a bloomers is produced having a straight front and the requisite depth and fullness at the crotch and seat portions, and the leg bands are caused to encircle the wearer's limbs at points above the knees.

1,462,565. DOOR FOR FREIGHT CARS. LEE H. BANKS, Lacamp, La. Filed Mar. 3, 1922. Serial No. 540,948. 4 Claims. (Cl. 20—22.)



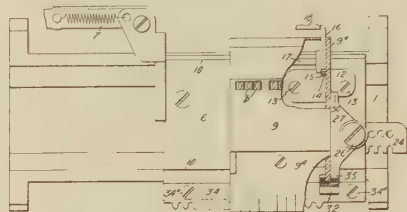
1. In combination, a car door frame having a sill and a girder, upper and lower tracks pivoted respectively to said sill and girder, a door slidably engaging said upper and lower tracks and supported and guided thereby, and yieldable connections between the car door frame and the said tracks.

1,462,566. PACKAGE FORMING MACHINE. FRANK E. BEAM, Toledo, Ohio, assignor, by direct and mesne assignments, to The Automat Molding and Folding Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 2, 1920. Serial No. 427,664. 27 Claims. (Cl. 93—2.)



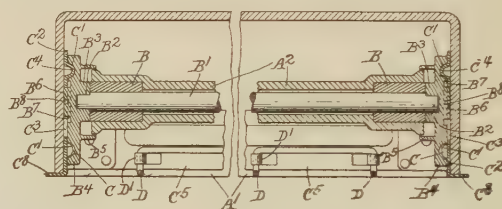
1. In a package forming machine, a shiftable member having a pair of fingers for receiving and folding the end side portions of the sheet material in which the object is wrapped against the ends of the object, a swinging member having fingers for folding the opposite side end portions of the sheet material against the ends of the object, a plunger having fingers for folding the top end portions of the sheet material against the ends of the object, and means for shifting the shiftable member towards the swinging member and to move the object and its enclosing wrapper to a point beneath the plunger.

1,462,567. CALCULATING MACHINE. ROBERT G. C. BOA, Herkimer, N. Y., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1922. Serial No. 599,959. 15 Claims. (Cl. 235—59.)



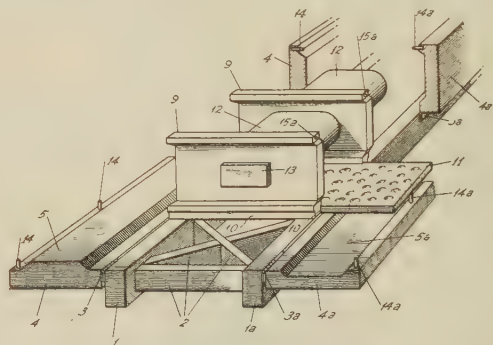
15. The combination with a totalizer and its carrier, of a holding plate having a notch in which to seat a side plate of said totalizer, and means for detachably interlocking said holding plate with said carrier.

1,462,568. BRUSH-ADJUSTING DEVICE FOR SUCTION CLEANERS. FRANCIS M. CASE, Cleveland, Ohio, assignor, by mesne assignments to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed July 26, 1917. Serial No. 182,870. 8 Claims. (Cl. 15—158.)



1. In a suction cleaner a brush, a shaft upon which it is rotatably mounted, an adjusting plate fixed on each end of the shaft, supports for said plates and means responsive to a rotation of said plates for changing the height of the brush said means comprising a cam groove and a member engaging it.

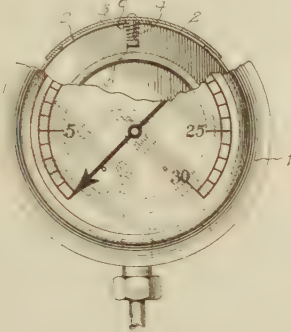
1,462,569. APPARATUS FOR MOLDING CEMENT BLOCKS. ALBERT FEDERICCI, Paterson, N. J., assignor to Henry C. Neuberger, New York, N. Y. Filed Aug. 25, 1920. Serial No. 405,902. 3 Claims. (Cl. 25—121.)



2. An apparatus for molding blocks embodying a rigid base or platform along the longitudinal edges of which are pivoted wings, each of which is adapted to cast one face of each of several blocks, a plurality of mold units positioned on the platform between the wings and forming partitions between successive blocks, one

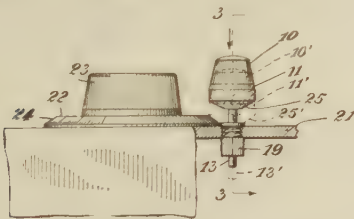
face of each partition having a male projection and the other face of each of said partitions having a complementary female depression, and a core member carried by each partition and of such length that its free end will abut the adjacent face of the next partition for the purpose of accurately spacing said partitions apart.

1,462,570. PRESSURE GAUGE. PHILO M. GELATT, La Crosse, Wis. Filed Oct. 8, 1917. Serial No. 195,255. 1 Claim. (Cl. 73-109.)



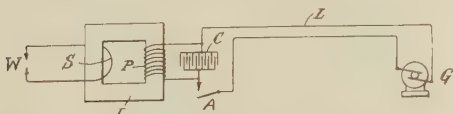
In pressure gauge construction wherein the gauge housing includes a peripheral wall having openings at its top separated by a bridge, means for maintaining the openings closed in the presence of pressure in the housing, said means being operative to open the housing upon excessive pressure therein, said means including a plate external of and overlying said openings, said plate having dimensions greater than the area of the openings and bridge, said plate having a stem extending through said bridge and having an internal head, and a spring carried by the stem and abutting said bridge and head.

1,462,571. DIAL-REVOLVING DEVICE. LOUIS H. FLERON, Trenton, N. J. Filed Feb. 15, 1923. Serial No. 619,326. 6 Claims. (Cl. 74-7.)



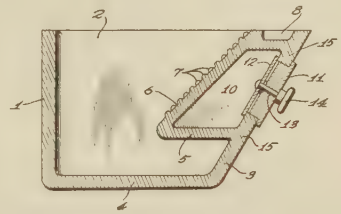
1. In a dial revolving device, in combination, a head, a shaft carried by the head, a loose sleeve carried by the shaft, means for preventing the sleeve from shaft displacement, a removable cap carried by the sleeve and means for retaining the head from contact with the sleeve.

1,462,572. CONDENSING WELDING CIRCUIT. JAMES H. GRAVELL, Elkins Park, Pa., assignor to Thomson Electric Welding Company, Boston, Mass., a Corporation of Massachusetts. Filed June 25, 1920. Serial No. 391,704. 2 Claims. (Cl. 172-246.)



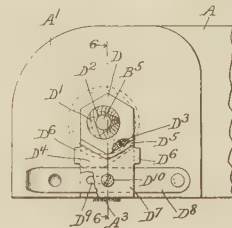
2. The combination with an electric heating transformer, of a booster connected across the terminals of the machine, a condenser connected to the booster and an operating or controlling switch on the line side of the booster as and for the purpose described.

1,462,573. WASHTUB. MAMIE HAGAMAN, Perth Amboy, N. J. Filed Aug. 10, 1921. Serial No. 491,079. 3 Claims. (Cl. 68-31.)



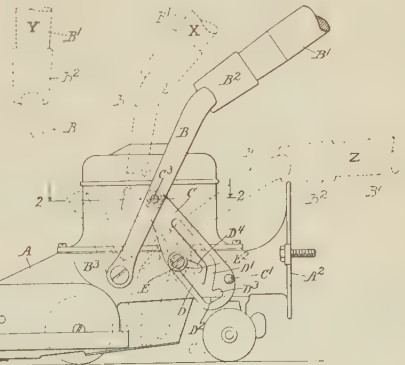
2. A wash tub having bottom, front, back and end walls, and a hollow imperforate box-like projection extending rearwardly from the inner upper portion of the face of the front wall and provided with an inclined rubbing surface on the rear side thereof, said box-like projection being of less width than the width of the front wall and of less depth than the depth of the tub, whereby said projection is spaced from the opposite ends of the tub and from the bottom of the tub.

1,462,574. SUCTION SWEEPER. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Oct. 20, 1917. Serial No. 197,706. 7 Claims. (Cl. 15-158.)



1. In a suction cleaner the combination of a casing having an inlet slot and slotted ends with a rotatable brush means for adjusting and supporting said brush in the casing comprising blocks having a plurality of edge faces, said brush mounted within said blocks, at an unequal distance from each edge face thereof, said blocks adapted to slide in said end slots and means for holding them therein and preventing them from rotation while so held.

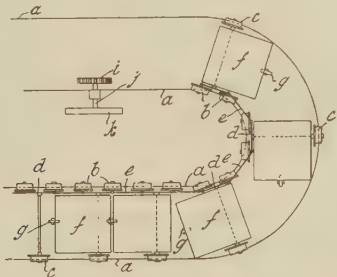
1,462,575. SUCTION-CLEANER ATTACHMENT. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Aug. 16, 1920. Serial No. 403,766. 8 Claims. (Cl. 306-4.)



1. In a suction cleaner comprising a casing having a pivoted handle, the handle including a pivotally

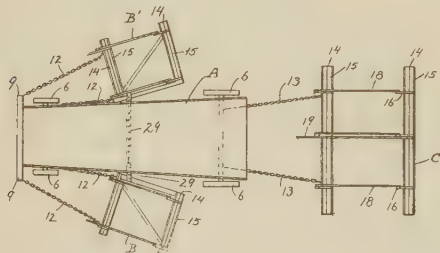
mounted member provided with a slot system the upper edges of which are uninterrupted and act as guideways, which system comprises a short slot, a long slot, and a connecting slot extending from the long slot to the underside of the short slot, and a member adapted to be received in said slot system, one member being mounted on said handle, the other member being mounted on said casing.

1,462,576. COKING OF COAL. STEWART ROY ILLINGWORTH, Brynfedwen, England, assignor to Illingworth Carbonization Company, Limited, Manchester, England. Filed Aug. 29, 1921. Serial No. 496,743. 15 Claims. (Cl. 202—8.)



1. The process of coking coal in which the coal is submitted to heat out of contact with air in order to destroy the non-coke producing substances in the coal but to leave 5% by weight of the resinic substances in the product in order to prevent expansion of the coke during the coking process and then coking the pre-heated coal at a temperature which does not exceed 500° C.

1,462,577. PORTABLE REVERSIBLE GRADE HONE OR ROAD LEVELER. SAMUEL B. JAMIESON, Marathon, N. Y. Filed Feb. 11, 1920. Serial No. 357,976. 1 Claim. (Cl. 37—152.)

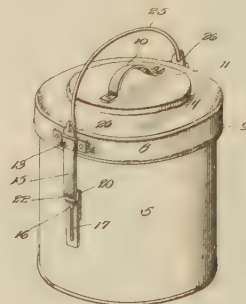


In an arrangement of the character described, three manually adjustable grade hones, flexible attaching means associated with each of the hones, two of the hones being arranged opposite and in spaced relation to each other, the remaining hone being arranged rearwardly of the space between the first mentioned hones and an adjustable connection for maintaining the first mentioned hones in various positions in respect to each other including longitudinal perforated bars on the hones, a perforated connection bar, and means engaging the perforations adjacent the ends of the connecting bar and longitudinal perforated bars for maintaining the parts in substantially rigid positions of adjustment.

1,462,578. RECEPTACLE. JOHN KASHINSKY, Weehawken, N. J., assignor to New Jersey Can Company, Weehawken, N. J., a Corporation of New Jersey. Filed Mar. 23, 1920, Serial No. 368,075. Renewed May 12, 1923. 1 Claim. (Cl. 220—56.)

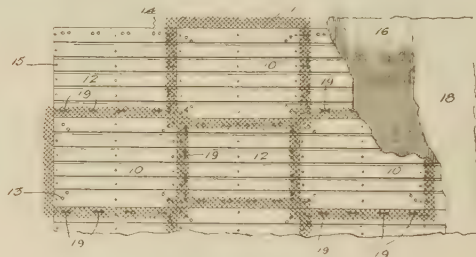
A receptacle having oppositely disposed headed studs extending laterally from the side wall thereof, a cover for

the receptacle provided with a depending flange the lower edge of which is formed with an annular bead, horizontal straps secured to said annular flange above the bead at diametrically opposite points on the cover, arms extending through said straps and having their upper ends provided with apertures and their lower ends formed with slots receiving the adjacent studs, said arms having



frictional contact with the annular bead for holding said arms against the inner faces of the straps whereby the cover is held in adjusted position with relation to the arms, and a bail having hooked terminals engaging the apertures in the arms, said hooked bail terminals by engagement with the upper edges of the straps forming stops for the cover to always maintain the same relation between the grip portion of the bail and said cover.

1,462,579. LATH. MERRILL E. ROBERTS, Pasadena, Calif. Filed Apr. 17, 1922. Serial No. 553,353. 2 Claims. (Cl. 72—32.)



1. In a building construction, a plurality of reinforced composition laths, and a plurality of plain composition laths, said laths being arranged in juxtaposition, whereby the reinforcing elements of the first mentioned laths lap the adjacent plain laths, a sheet of water proof material covering one side of each lath, the opposite side of each lath having a plurality of grooves, and a plastic composition covering said laths and filling said grooves, and also interlocking said overlapped portions of the reinforcing elements of the adjacent lath.

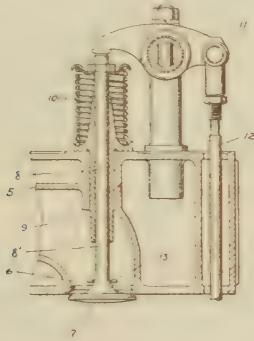
1,462,580. METHOD OF MANUFACTURING ELECTRIC CONDUCTORS. REINHOLD RÜDENBERG, Berlin-Grunewald, and ADOLF FINCKBEIN, Charlottenburg, Germany, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Dec. 27, 1920. Serial No. 433,453. 5 Claims. (Cl. 173—13.)



4. The method of producing multiple conductor bars, consisting in winding the constituent conductor ele-

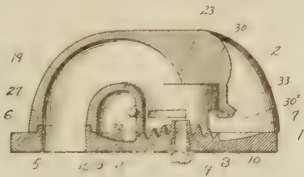
ments separately as flat coils, stretching the windings of said coils apart until the desired pitch has been obtained and in nesting said stretched coil elements into each other to form the bar, the length of the short sides of said flat coils being suitably chosen to obtain the desired pitch of said sides relatively to the axis of the finished bar, and to cause the formation of a longitudinal channel inside of the finished bar.

1,462,581. VALVE-STEM CARBON REMOVER. ALBERT R. SCHMIDT, Milwaukee, Wis. Filed May 12, 1921. Serial No. 468,917. 5 Claims. (Cl. 123—188.)



1. The combination with an internal combustion engine having a valve provided with a guided stem, of a means for preventing the formation of carbon on the valve stem, consisting of a member loosely mounted on the stem between the valve portion and the stem guide and freely movable laterally and vertically thereon independently of the movement of the valve.

1,462,582. OIL BURNER. VACLAV F. SEDLAK, Kansas City, Mo. Filed Dec. 26, 1922. Serial No. 608,858. 4 Claims. (Cl. 158—91.)

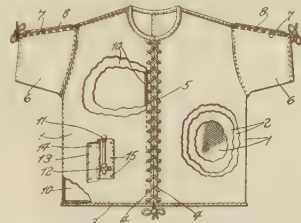


1. An oil burner comprising a base having air inlet openings and a central oil inlet opening, a plurality of ring-shaped ribs concentric with the oil inlet opening, the ring-shaped ribs being of decreasing heights from the center toward the periphery of the base and forming relatively deep grooves or spaces between them, the top of the base being formed with a shallow concave portion, the surface of which will direct the flame radially, and an arch having inwardly converging, curved, tubular air conducting legs merging into a central air and vapor fuel chamber above the oil inlet in the base, the lower ends of the legs registering with the air inlet openings in the base, the lower edges of the mixing chamber having outwardly and downwardly disposed spaced flanges for directing the flame against the shallow concave portion of the base.

1,462,583. CHEST SPLINT. SELIG SIMON, St. Louis, Mo. Filed Aug. 12, 1922. Serial No. 581,392. 10 Claims. (Cl. 128—89.)

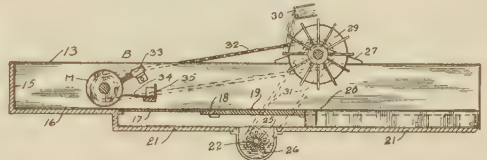
1. A chest splint of the character described, comprising a jacket composed of an outer covering and an inner

lining and adapted to enclose the chest of the user, in combination with a pneumatic bag interposed between



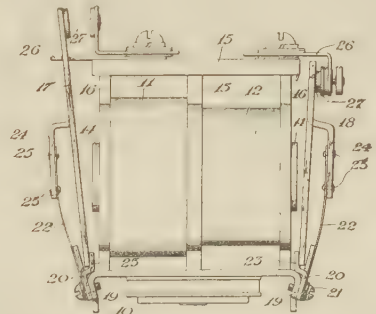
the outer covering and the lining, and an inflation and deflation tube passing through the outer covering and opening into the bag.

1,462,584. PLACER-MINING MACHINE. DAVID K. SMITH, Denver, Colo., assignor of one-half to John G. Kirschner and one-eighth to Leo C. Hollberg, both of Denver, Colo. Filed Apr. 11, 1922. Serial No. 551,516. 1 Claim. (Cl. 83—67.)



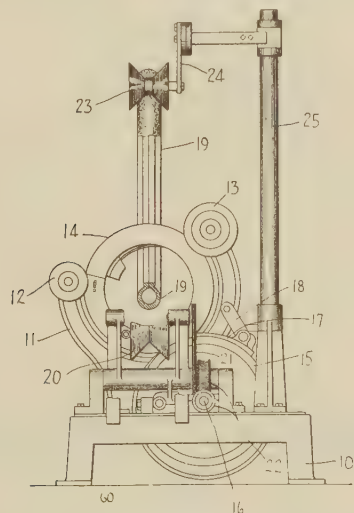
In a placer mining machine; a sluice of substantially rectangular cross-section adapted to be mounted on an incline; a rotatable magnetic separator near the upper end thereof; a screen in the bottom of the sluice slightly below the separator; a removable section in the bottom of the sluice below said screen; a waterwheel in the sluice directly below the removable bottom section power transmitting means connecting the water wheel to the separator whereby they will be forced to rotate in unison; a second sluice located directly below the first named sluice and adapted to receive the material that passes through the screen; an amalgamator in the second sluice; a second power transmitting means connecting the amalgamator brush shaft to the water wheel whereby the latter will rotate the former, said amalgamator being located directly below the removable section and a passageway from said second named sluice opening on one side thereof whereby the waste material from said second sluice will be discharged to one side thereof.

1,462,585. ARMATURE CONSTRUCTION. EDGAR M. SORENG, Milwaukee, Wis., assignor to Briggs & Stratton Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 24, 1917. Serial No. 203,789. 10 Claims. (Cl. 200—90.)



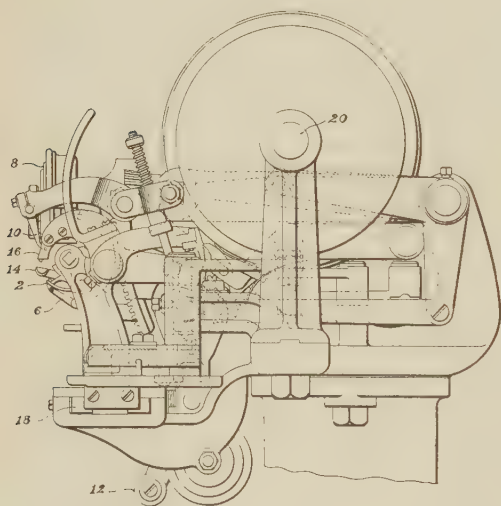
10. An armature construction, comprising an armature member, a magnet pole piece with an angularly bent end forming a bendable support, a bearing plate secured to the support and having arms bent therefrom to form open bearings for one end of the armature member, a spring secured to the support, a bendable tongue on the armature member secured to the spring, and a stop for the other end of the armature member.

1,462,586. SHUTTLE-BALANCING MECHANISM. EDWARD C. TAYLOR, Longmeadow, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 3, 1922. Serial No. 598,712. 14 Claims. (Cl. 242-6.)



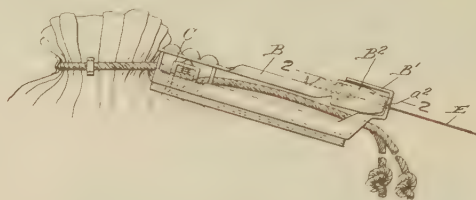
1. In a wrapping or winding machine, a rotatable member adapted to carry wrapping or winding material, and means responsive to the amount of material on the member for preserving the member in rotative balance.

1,462,587. LOCK-STITCH SEWING MACHINE. LAURENCE E. TOPHAM, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 11, 1919. Serial No. 310,245. 3 Claims. (Cl. 112-57.)



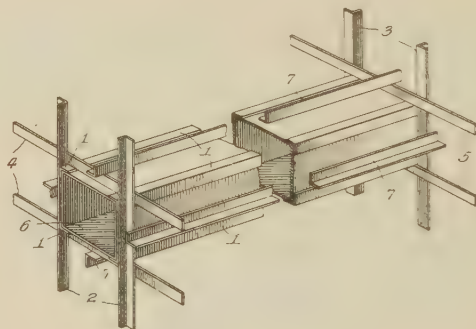
1. A lock stitch sewing machine having, in combination, a work feeding awl, a hook needle, a looper, a shuttle, a stitch setting take-up, means for actuating the awl to feed the work, means for causing the awl to enter the work after the needle withdraws with its loop of thread from the work and to withdraw from the work before the take-up takes up said loop and sets the stitch, and means for actuating the take-up to set the stitch after the awl has withdrawn and before the needle again enters the work.

1,462,588. SEAL LOCKING DEVICE. EMIL TYDEN, Evanston, Ill. Filed Mar. 23, 1921. Serial No. 454,758. 8 Claims. (Cl. 292-328.)



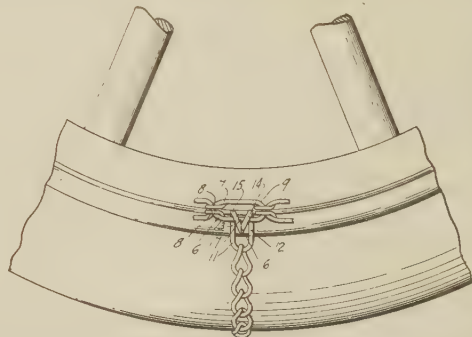
1. In combination with a permanent securing device designed to be sealed in locked position and having for that purpose a seal catch chamber; having apertures in two opposite walls for a sealing strip to be inserted entirely through the chamber, and a sealing strip adapted to be so inserted, and adapted to be ruptured outside the catch chamber at the side thereof through which it is entered, the casing and the strip having co-operating a spring finger and a catch shoulder adapted for engagement against withdrawal from the strip in the direction from which it enters the chamber.

1,462,589. APPARATUS FOR METAL-COATING WIRE, CHAIN, WOVEN-WIRE FENCING, AND THE LIKE. EDWARD L. WATROUS, deceased, late of El Paso, Tex., by Agnes B. Watrous, executrix, Evanston, Ill. Filed Sept. 20, 1919. Serial No. 325,255. 17 Claims. (Cl. 242-77.)



13. In galvanizing apparatus, a reel adapted to be placed on a rotatable spindle and comprising a barrel having walls of sheet material and longitudinally extending bars at the corners of the barrel, and spaced outwardly extending arms at each end of the barrel to confine material wound on the barrel.

1,462,590. HOOK FOR TIRE CHAINS. CARL H. WIDSTRAND, Lakeside, Mich. Filed July 17, 1922. Serial No. 575,536. 1 Claim. (Cl. 24-230.5.)



Means for connecting a tread chain with a side chain, comprising a hook link consisting of a length of material doubled upon itself at its middle portion to provide

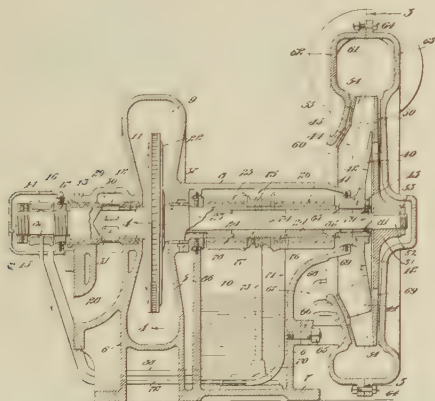
spaced arms, the end portions of said arms being returned upon the arms and inclining toward the same and in convergent relation with one another to form a bill, the distance between the under surface of the bill and the plane of the upper surfaces of the arms being less than the diameter of the material of which the side chain links are formed, the under surface of said bill being disposed at that side of the arms upon which the end portions of the arms are returned.

1,462,591. CLIP. GAMMEL ANDERSEN, Austin, Tex. Filed Apr. 17, 1922. Serial No. 554,165. 4 Claims. (Cl. 24—11.)



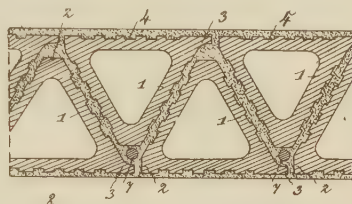
1. A clip formed of a single piece of spring material one end of which is formed for attachment to a pen or pencil, a section of said material being bent at right angles to the attached end and the free end of said piece of material being bent back under said bent over section and being formed with a shoulder and an engaging catch beyond said shoulder, which points toward said pen or pencil.

1,462,592. COUNTER-ROTATION TURBOBLOWER. OLIVER D. H. BENTLEY, Norfolk, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a Corporation of Massachusetts. Filed July 16, 1920. Serial No. 396,716. 7 Claims. (Cl. 230—11.)



1. The combination with an elastic fluid turbine having rotors adapted to turn in opposite directions, and nozzles carried by one of the rotors, of a blower comprising two rotary members of different diameters provided with fan blades and adapted to turn in opposite directions, the member of greater diameter being directly connected with the rotor carrying the nozzles and the other member being directly connected with the other rotor.

1,462,593. HOLLOW BUILDING TILE. ERNST PHILIPP BERKES, Pfeddersheim, near Worms, on the Rhine, Germany. Filed Mar. 15, 1921. Serial No. 452,533. 7 Claims. (Cl. 72—66.)



1. A hollow block or tile free of undercuts triangular in cross section having an extension or beak at one apex edge provided with an open flute, said extension flush with one face and extending beyond the adjacent face the entire length of the tile.

1,462,594. SPOT TRIMMING FOR DRESSES. EDWARD CULOTTA, Richmond Hill, N. Y. Filed Feb. 18, 1922. Serial No. 537,613. 8 Claims. (Cl. 24—96.)



1. In a device of the character described, the combination with a backing plate having depending spurs for attaching to dress goods, and upstanding spurs spaced from its edge, of a plastic head conforming to said plate and in which said upstanding spurs are embedded.

1,462,595. SPOT TRIMMING FOR DRESSES. EDWARD CULOTTA, Richmond Hill, N. Y. Filed Feb. 18, 1922. Serial No. 537,614. 3 Claims. (Cl. 24—96.)



1. In a device of the character described, the combination with a backing plate having an opening therein, of a head of plastic material covering said plate and having an integral portion extending through said opening and underlying said plate, and means for fastening said plate to dress goods.

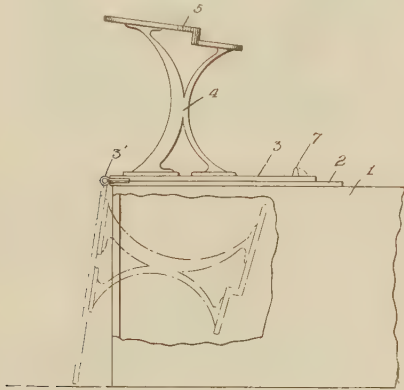
1,462,596. SLATE BRICK. EMIL P. ENGELBRECHT, Chicago, Ill. Filed May 25, 1921. Serial No. 472,573. 3 Claims. (Cl. 18—47.5.)

1. A process of manufacturing bricks and the like consisting in mixing with burned and granulated coal-mine slate a proportionately small amount of unslacked lime, in adding an amount of water sufficient to substantially slack the lime used, in grinding the mixture together until it forms a coherent mass, in pressing the ground mixture into proper shape under a pressure of from two to two and one-half tons per square inch, and in heating the pressed articles for about nine hours in a bath of steam under a pressure of about one hundred and twenty-five pounds.

1,462,597. FOOT REST. ALGOTT H. ENGMARK, Crawfordsville, Ind. Filed Aug. 2, 1920. Serial No. 400,808. 1 Claim. (Cl. 15—265.)

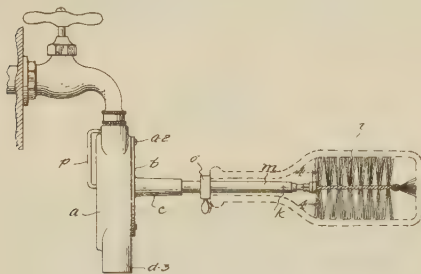
The combination with a stationary platform open under the front portion thereof and adapted to support a

customer, of a base plate secured upon and fixed relative to the platform, said base plate extending up to the front edge of the platform, a top plate hingedly connected to the base plate above the open front end of the platform, means for detachably engaging the free end portion of the top plate for fastening the top plate flat upon the base plate to hold them against relative move-



ment one upon the other, said top plate being normally extended longitudinally of the base plate, and a disappearing foot rest standard secured to the top plate, said top plate being movable from position upon the base plate to a hanging position in front of the platform and against one end of the base plate, with the standard projecting into and concealed within the open front portion of the platform.

1,462,598. BOTTLE-WASHING MACHINE. OTTO C. GRENZKE, Detroit, Mich. Filed July 18, 1921. Serial No. 485,703. 2 Claims. (Cl. 15—69.)

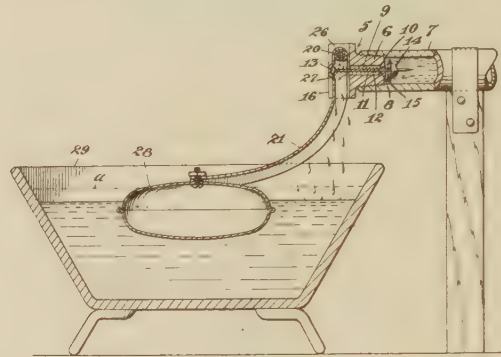


1. In a bottle washer, the combination with a water motor adapted to be attached to a water faucet, of a hollow drive shaft adapted to be rotated by said motor, a bottle cleaning brush at the outer end of said shaft, a water communicating by-pass leading from the water inlet to the interior of the hollow drive shaft, said shaft provided with a discharge outlet at the end adjacent the brush, a sleeve encircling said shaft longitudinally movable thereon, spring means normally holding said sleeve outwardly to close the discharge outlet from the shaft, a collar adjustable lengthwise on said sleeve, said collar adapted to engage the mouth of a bottle when the bottle is inserted over the brush and sleeve so that the sleeve may be moved longitudinally over the shaft against the resistance of the spring to uncover the discharge outlet from the shaft.

1,462,599. FLOAT-CONTROLLED VALVE. WILLIAM L. HAWES, Burbank, Calif. Filed June 20, 1921. Serial No. 478,892. 3 Claims. (Cl. 137—104.)

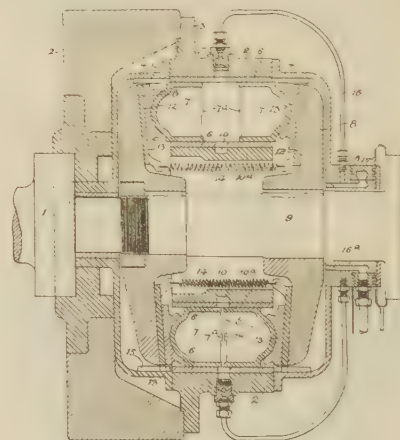
1. In a float controlled valve, a valve casing having a discharge passage, a valve seating on one end of said casing, a stem on which said valve is mounted projecting

through the passage and terminating beyond the other end of the casing, a spring on said stem acting to normally maintain the valve closed to seal said discharge passage, an arm pivoted on said casing above the stem and extending downwardly to abut the stem having a



socket in which the end of the stem may seat to maintain the stem substantially on center when the arm abuts thereagainst, and a float on said arm adapted to be acted on by a liquid to raise the arm to permit the valve to close and tending to rock the arm downwardly to open the valve.

1,462,600. HYDRAULIC CLUTCH OR COUPLER. HENRY SELBY HELE-SHAW, London, England. Filed July 16, 1919. Serial No. 311,311. 9 Claims. (Cl. 192—59.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A hydraulic clutch consisting of one member comprising pistons, cylinders formed in a cylinder body in which said pistons operate, a closed circuit consisting of a passage in said cylinder body with which all said cylinders communicate so that movement of the piston in one cylinder involves movement of the piston in another, a valve slidable in said cylinder body across said passage for controlling the facility for circulation of the liquid in the closed circuit, an automatically operating valve for admitting liquid into the closed circuit whereby said circuit is maintained full under all working conditions, and a second member comprising a mechanism, corre-

sponding to a crank for giving to the pistons the movement they would have if actuated through a connecting rod of infinite length, cooperating with the pistons, substantially as specified.

1,462,601. SEALING-WAX CANDLE. HUGO HOHMANN, Kopenick, near Berlin, Germany. Filed July 14, 1922. Serial No. 575,107. 1 Claim. (Cl. 120—116.)



A sealing-wax candle consisting of a stick of sealing-wax, of a candle embedded in said stick and of a coating of said candle consisting of a substance which melts only at high temperatures.

1,462,602. CHOCOLATE MIXING AND MELTING MACHINE. OTTO A. LABUS, Wisconsin Rapids, and CHARLES H. PETH, Wausau, Wis.; said Labus assignor to American Carbonic Machinery Company, Wisconsin Rapids, Wis. Filed June 30, 1921. Serial No. 481,550. 16 Claims. (Cl. 257—84.)

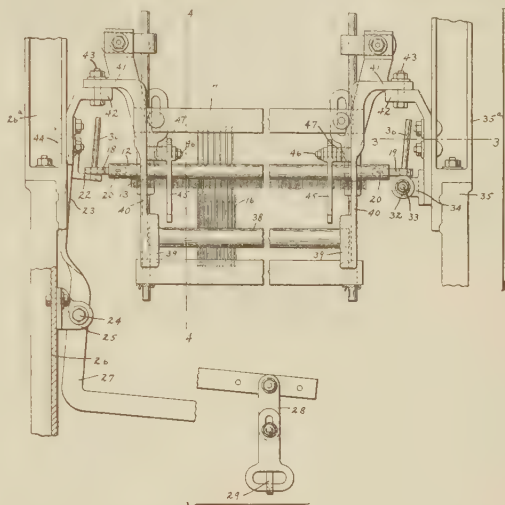


5. In a mixing machine, a plurality of spaced hollow sections of a water jacket, a shaft journaled centrally of said sections, paddles mounted on the shaft between said sections, inner casings secured to and between consecutive sections of the water jacket, outer casings secured together and surrounding the inner casing to form with the inner casing and the sections of the water jacket a jacket common to the whole device, the inner casings and alternate sections of the jacket forming individual mixers.

1,462,603. LOOM. CHARLES F. LAVALLE, Newmarket, N. H. Filed Jan. 31, 1922. Serial No. 533,077. 6 Claims. (Cl. 139—50.)

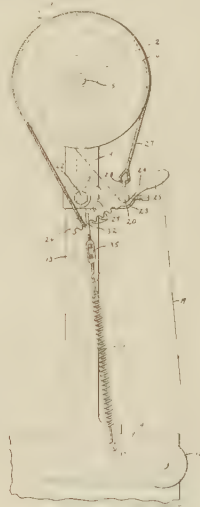
1. A loom comprising a marquissette comb having downwardly facing end portions, a pair of rests loosely supporting said end portions, the comb being freely mov-

able upwardly to separate it from said rests, means being provided for preventing separation of the comb from the



rests by movements of the comb in other directions, and means for operating one of said rests to reciprocate the comb.

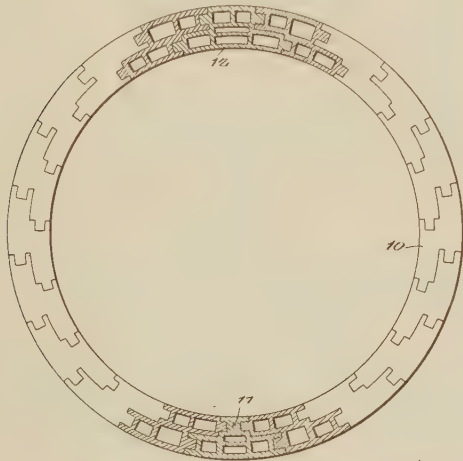
1,462,604. TENSION REGULATOR FOR SELVAGE SPOOLS. CHARLES F. LAVALLE, Newmarket, N. H. Filed Jan. 31, 1922. Serial No. 533,078. 4 Claims. (Cl. 139—109.)



1. The combination with a thread spool, and a roll spaced from the spool, and arranged to guide threads passing from the spool, so that thread stretches extend from the spool to the roll; of a tension-applying and regulating mechanism, comprising a fixed thread bearing between the spool and the roll, an oscillatory two-armed lever mounted on said fixed bearing and including an outer arm having a movable thread bearing substantially parallel with said fixed bearing, and an inner arm, said movable bearing and inner arm being at opposite sides of the fixed bearing and rigidly connected for simultaneous movement in opposite directions, a hand brake attached at one end to a fixed support, and extending from said support over a portion of the spool, said hand being connected at its opposite end with the inner lever arm; and yielding pressure means connected with said inner arm, and normally holding the said movable bearing in position to form bights in the said

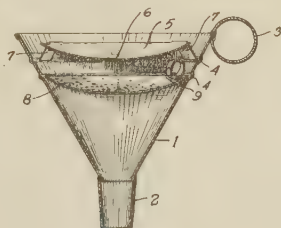
thread stretches, said means being adapted to exert pressure simultaneously on the brake band in one direction, and on the movable thread bearing in the opposite direction, to maintain the said thread stretches under tension, and compensate for the elongation and shrinkage of the thread and of the brake band, caused by variations of atmospheric moisture.

1,462,605. CYLINDRICAL STRUCTURE AND BLOCKS THEREOF. FRANK LE COCQ and IRWIN LE COCQ, Aberdeen, S. Dak. Filed Mar. 20, 1922. Serial No. 545,088. 2 Claims. (Cl. 72—51.)



1. A cylindrical structure of block formation including a series of segmental wall blocks, each having laterally offset inner and outer sections adapting the same to overlapping interlocking connection and provided with ribs and recesses along opposite sides, and diametrically opposed blocks at opposite sides of which the wall blocks overlap in opposite directions, each of said diametrically opposed blocks having inner and outer sections of different lengths and each having means along the sides of each section to interlockingly engage the side ribs and recesses of the offset sections of adjacent wall blocks upon opposite sides thereof.

1,462,606. EGG SEPARATOR. ROBERT A. MCCRONE, Denver, Colo. Filed Oct. 6, 1922. Serial No. 592,752. 2 Claims. (Cl. 146—2.)

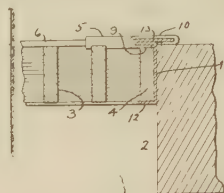


2. An egg separator comprising in combination a conical body portion having a groove near its base and a separator element removably secured in said groove, a second groove and a strainer element secured therein.

1,462,607. REGISTER SUPPORT AND BORDER. NATHAN W. MANROW, Goshen, Ind. Filed Feb. 28, 1923. Serial No. 621,848. 4 Claims. (Cl. 98—52.)

1. A device of the character described, comprising four corner pieces and four side and end rails cooperating with

said corner pieces to form a rectangular supporting frame, said rails being provided with a T shaped upper margin



which has a telescopic connection with said corner pieces, and said rails being provided also with a lower marginal ledge.

1,462,608. METHOD OF AND APPARATUS FOR ENAMELING TUBES. NORMAN MARSHALL, Waltham, Mass. Filed May 6, 1921. Serial No. 467,244. 13 Claims. (Cl. 91—46.)

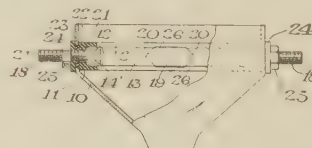


1. The method of dip enameling the exterior of tubes which consists in closing the upper end of a tube, dipping it vertically in a bath of enamel, and subsequently removing it at a slow and uniform rate.

5. An apparatus for dip enameling tubes having, in combination, means for closing the upper ends of the tubes, an enameling tank, means for dipping the tubes vertically in the tank, and means for withdrawing the tubes at a slow and uniform rate of speed.

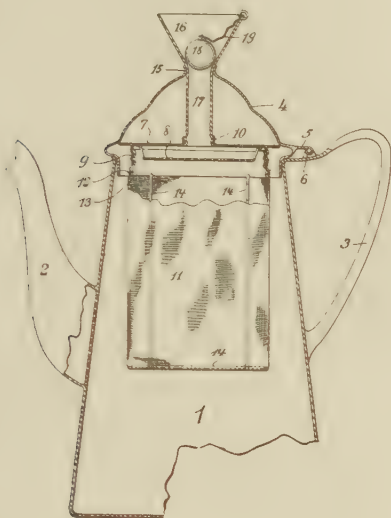
12. An apparatus for dip enameling tubes having, in combination, tube supporting means, means for moving the tube supporting means vertically to dip the tubes into a bath of enamel, and means for withdrawing the tubes vertically from the bath of enamel.

1,462,609. CONTACT AND METHOD OF MAKING SAME. LOUIS ALBERT MAU, Milwaukee, Wis., assignor to Milwaukee Auto Engine and Supply Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 16, 1921. Serial No. 478,093. 4 Claims. (Cl. 200—19.)



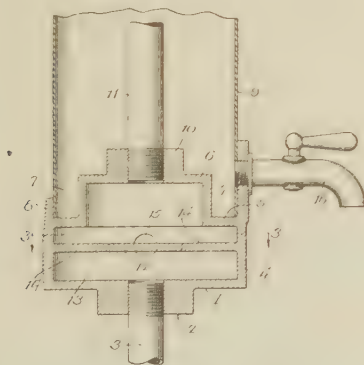
1. The method of making a contact for electrical ignition devices which consists in punching out a rough crescent-shaped blank from bar stock, swaging the blank to finished size and forming a depression in its rear side, trimming off the surplus metal, and welding one end of the threaded stem of the contact in the depression.

- 1,462,610. COFFEE-MAKING APPARATUS. ALBERT W. MEYER, Roselle, N. J. Filed May 27, 1922. Serial No. 564,068. 6 Claims. (Cl. 53—3.)



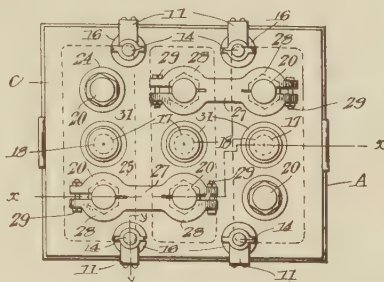
1. The combination with a coffee pot and its cover, of a percolator attachment therefor comprising a supporting plate within said cover, a percolator member detachably secured to said plate, a water inlet pipe extending downward within said cover to the said supporting plate, means for securing the latter to the said pipe, a funnel mounted on the upper end of the water inlet pipe and means for closing the inlet end of the same.

- 1,462,611. WATER HEATER. JOHN W. MEYER, Fort Atkinson, Wis. Filed July 20, 1922. Serial No. 576,216. 6 Claims. (Cl. 126—344.)



1. In a water heater, an upright tank having a hollow one-piece gas tight supporting base forming an exposed support for the lower end thereof, so that the bottom wall of said base forms the exposed bottom of the tank, heat inlet means externally connected to said base to supply heat to the gas tight interior of said base to heat the water in said tank, and a heat outlet, said base being gas tight except for the heat inlet and outlet thereof, and being adapted in its exposed position to be opened for cleaning out the interior thereof.

- 1,462,612. COVER PLATE FOR STORAGE BATTERIES. ARTHUR HERBERT MONES, Kerrobert, Saskatchewan, Canada. Filed Apr. 11, 1921. Serial No. 460,172. 1 Claim. (Cl. 204—29.)

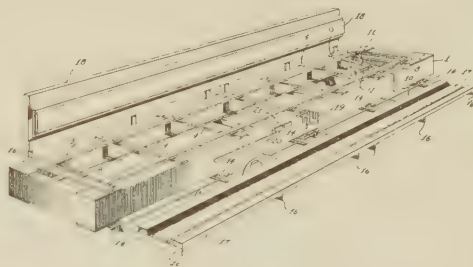


In a battery, the combination with a battery box and cover plate having raised bosses adjacent to the edges therein formed with threaded sockets, of clamps pivoted to the battery box extending over and in close contact with the bosses, and threaded bolts extending through the clamps into the threaded sockets in the bosses.

- 1,462,613. METHOD OF PRODUCING AZO COLORS IN NONAQUEOUS SOLVENTS. WALLACE J. MURRAY, Boston, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a Corporation of Massachusetts. Filed June 9, 1921. Serial No. 476,309. 6 Claims. (Cl. 8—6.)

1. A method of producing azo colors in non-aqueous solvents which consists in combining a solution of an amine and a developer in oil with a nitrite.

- 1,462,614. MACHINE FOR MOLDING BUILDING BLOCKS. HENRY C. NEUBERGER, New York, N. Y., assignor to Interlocking Metal Forms Corporation, Tuckahoe, N. Y., a Corporation of New York. Filed Sept. 30, 1922. Serial No. 591,442. 8 Claims. (Cl. 25—121.)

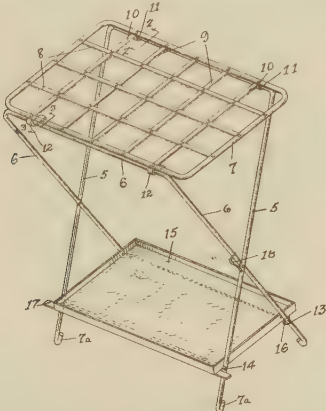


1. A building block casting machine embodying a platform provided at one end with an abutment, a plurality of face plates and partitions assembled on the platform at one side of the abutment, and spring actuated means for forcing all of the face plates and partitions in the direction of the abutment to clamp them between the abutment and the spring actuated means.

- 1,462,615. PORTABLE UMBRELLA STAND. LOUIS H. NOBLE, Philadelphia, Pa. Filed Jan. 31, 1923. Serial No. 616,038. 4 Claims. (Cl. 45—33.)

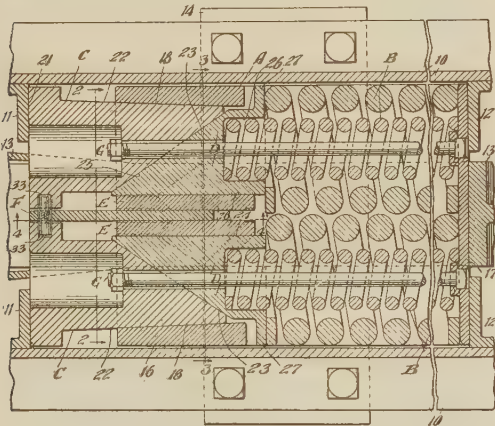
1. A folding umbrella stand comprising a pair of inverted U-shaped leg members pivoted in crossed relation, brace rods connecting the lower ends of each of said leg members, and a rectangular frame hingedly connected at one edge with the bight portion of one leg member and provided at its other edge with hooks detachably engaged upon the bight portion of the other leg member, a drain pan fitting between the lower ends

of said leg members and having ears pivoted on one of said brace rods, said pan lying upon the other brace



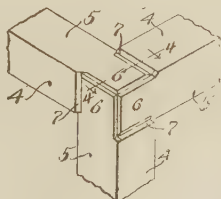
rod, and a combined reinforcing and stop strip on one edge of the pan having its ends projecting beyond the ends of the pan and engaging the adjacent leg member.

1,462,616. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed July 19, 1922. Serial No. 575,959. 7 Claims. (Cl. 213—33.)



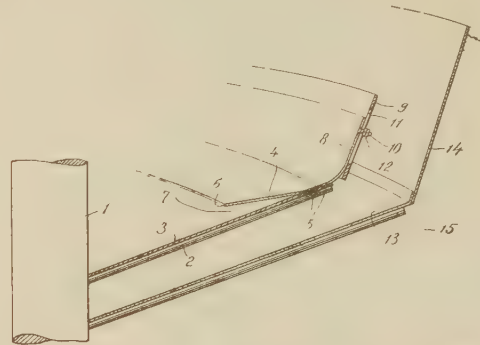
1. In a friction shock absorbing mechanism, the combination with a friction shell divided into twin friction chambers by an intermediate multiple-element partition; of twin arranged friction means in said chamber; a spring resistance; and a friction element between the twin arranged friction means and movable with the latter, said friction element frictionally cooperating with said elements of the partition.

1,462,617. INTERFITTING CORNER CONSTRUCTION. ENOC OHNSTRAND, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass., a Corporation of New Jersey. Filed Jan. 28, 1922. Serial No. 532,447. 12 Claims. (Cl. 109—2.)



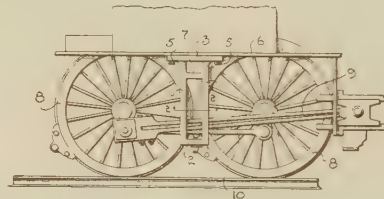
1. Corner construction for frames constructed of angle-irons comprising a projection upon one iron joined to both flanges of an adjacent iron.

1,462,618. SPIRAL SEPARATOR. FRANK PARDEE, Hazleton, Pa., assignor to Anthracite Separator Company, a Corporation of Pennsylvania. Filed Oct. 10, 1921. Serial No. 506,755. 6 Claims. (Cl. 83—54.)



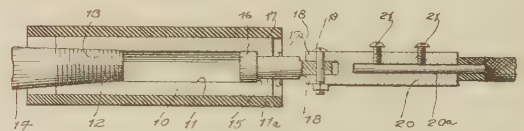
1. A spiral separator having a runway comprising a series of inwardly and downwardly inclined segmental plates and a series of plates secured to the outer portion of said segmental plates having their inner ends spaced above the surface thereof to form an outer runway of less inward inclination than the inclination of the first mentioned segmental plates.

1,462,619. SAFETY ATTACHMENT FOR LOCOMOTIVES. WARREN C. PATTERSON, Pottsville, Pa., assignor of one-half to John F. Johnson, Lewisburg, Pa. Filed Dec. 4, 1922. Serial No. 604,914. 3 Claims. (Cl. 105—84.)



1. A safety attachment for locomotives, comprising a means adapted to be secured to the side of the locomotive and to surround the drive rod and connecting rod while permitting full movements of these parts, said means constituting a support for the rods to prevent their falling to the ground or striking the locomotive in the event of any breakage.

1,462,620. TORCH FOR USE IN ELECTRIC WELDING AND HOLDER THEREFOR. CAMERON C. PEELER, Charleston, Wash. Filed Mar. 19, 1921. Serial No. 453,805. 1 Claim. (Cl. 219—14.)

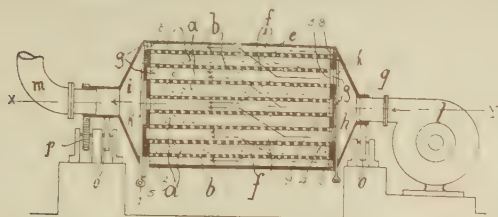


In an electric torch, coating spring-pressed jaws having their coating faces correspondingly radially grooved, one of said jaws having an opening formed therein and a pin carried by the other of said jaws and adapted to enter the opening of the first named jaw when the jaws are in engagement said grooves being tangential to said pin.

1,462,621. APPARATUS FOR DRYING MATERIAL. OSWALD PFEIFFER, Leipzig, Germany. Filed Aug. 24, 1921. Serial No. 495,119. 1 Claim. (Cl. 34—34.)

An improved drying apparatus of the type in which the material is charged between the hurdles and emptied from the same if said hurdles are in vertical position and dried when said hurdles are in horizontal position

comprising in combination with the hurdles, a casing for the hurdles, means for the admission of the drying



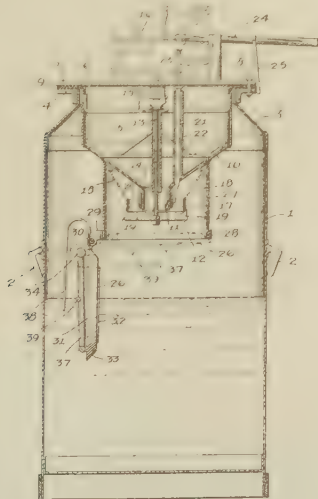
air to said casing and means for the escapement of the drying air from said casing, and means for turning said casing with the hurdles around a horizontal axis.

1,462,622. COMBINATION CONCRETE WALL BOARD AND STUDDING. EDWARD J. PHELAN, Los Angeles, Calif. Filed Nov. 21, 1922. Serial No. 602,374. 4 Claims. (Cl. 72—16.)



1. A monolithic wall unit comprising a slab having a web and fire stops extending transversely from said web; said unit having assembling means whereby it can cooperate with similar units to form a cellular wall.

1,462,623. PORTABLE ACETYLENE GENERATOR. STUART PLUMLEY, Westfield, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 11, 1919. Serial No. 276,372. 3 Claims. (Cl. 48—38.)



3. In a portable acetylene generator, the combination with a tank and a hopper with feed means inserted

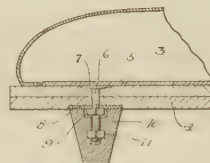
therein, of a ring joined with the hopper and surrounding the outlet, a hinged valve mounted with the ring for closing the lower end thereof when desired, a tail extending from the valve, and an operating frame mounted in the body of the tank co-operative with the back of the valve to close it, and with the tail for opening.

1,462,624. RESILIENT WHEEL. ALFRED T. PRYOR, Detroit, Mich. Filed June 4, 1920. Serial No. 386,427. 7 Claims. (Cl. 152—36.)



4. A resilient vehicle wheel comprising an inner member, pockets formed integral with said inner member, cushioning members engaging said pockets, and a pair of annular outer members having portions jointly forming pockets and engaging said cushioning members.

1,462,625. ATHLETIC SHOE. JOHN T. RIDDELL, Evanston, Ill. Filed May 5, 1922. Serial No. 558,558. 4 Claims. (Cl. 36—59.)



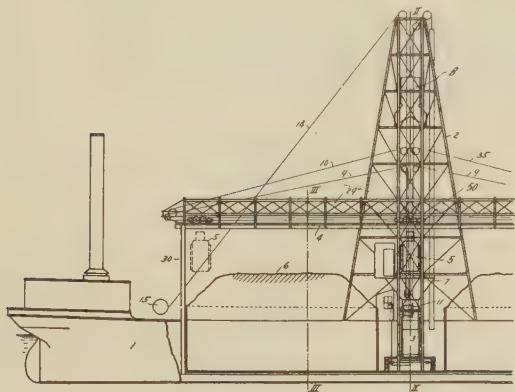
1. The combination with a shoe, of a stud passing through and clamped to the sole of said shoe and projecting therefrom; a tread member; and a securing member enclosed and imbedded in said tread member and engaging said stud, substantially as described.

1,462,626. INDEX TAB. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to The Globe-Wernicke Company, a Corporation of Ohio. Filed Mar. 31, 1922. Serial No. 548,316. 8 Claims. (Cl. 40—23.)



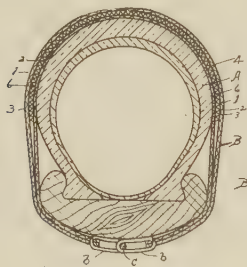
3. In an index tab, a doubled strip of transparent material, flexible attaching members interlocked with the edge portions of the arms of the strip, by which the strip may be secured to an edge of a thin object, the doubled portion of the strip serving as an open ended pocket to receive and retain an index slip.

1,462,627. APPARATUS FOR UNLOADING BARGES. LELAND S. ROSENER, San Francisco, Calif. Filed Oct. 16, 1919. Serial No. 831,085. 12 Claims. (Cl. 214—2.)



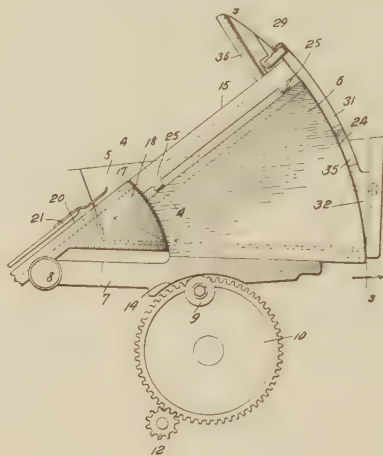
1. A barge in combination with a bucket and hoisting and conveying means for said bucket, a hopper adapted to receive a load from said bucket and discharge said load into a skip; a skip and a frame within which said skip is adapted to travel vertically; a discharge hopper adjacent to the path of the said skip into which a load from the skip may be dumped, and power means for operating the bucket, and power means for operating the skip, said skip and frame being located at substantially the longitudinal center of the barge, said barge constructed with bunker walls sloping towards a flat bottom said bottom having a width substantially equal to the range of bucket sweep.

1,462,628. BLOW-OUT PATCH AND TIRE REENFORCER FOR AUTOMOBILE TIRES AND TUBES. ANTON S. THORESEN and FELIX E. BENOIT, North Attleboro, Mass. Filed Apr. 5, 1922. Serial No. 549,692. 4 Claims. (Cl. 152—24.)



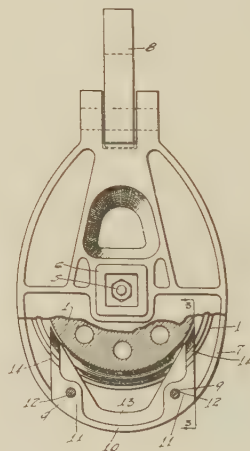
1. A patch for sealing blow-outs and punctures in automobile tires and tubes, the same consisting of a casing having walls of rubberized fabric, and a metallic member disposed within said casing and composed of a plurality of coils of spirally wound wire arranged with their axes parallel with each other, and each coil screwed into its adjacent coil to thereby form a flexible wire mesh strip, all in combination with each other and with means for securing the whole to a tire or tube.

1,462,629. FEEDING MECHANISM. RICHARD WHITAKER, Jr., and WILLIAM H. SNYDER, New Brunswick, N. J., assignors to Bryden-Neverslip Company, New Brunswick, N. J., a Corporation of New Jersey. Filed Mar. 7, 1922. Serial No. 541,691. 6 Claims. (Cl. 10—167.)



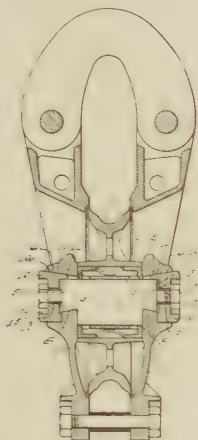
1. A feeding mechanism comprising a hopper, a vertically reciprocating feeder, means for actuating the feeder, and means for vibrating the article carrying part of the feeder during its reciprocating movements.

1,462,630. PULLEY BLOCK. BROWN E. BARNES, Portland, Oreg., assignor to Willamette Iron & Steel Works, Portland, Oreg., a Corporation of Oregon. Filed June 8, 1922. Serial No. 566,862. 4 Claims. (Cl. 254—192.)



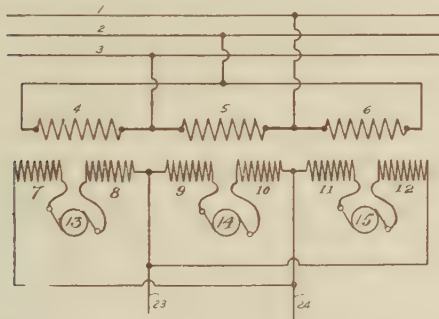
1. In a pulley block, the combination of a sheave; cheek pieces between which the sheave is journaled; a holding member at one end of the cheek pieces; and a closure member at the opposite end of the cheek pieces formed with spaced blocks and a connecting plate, said connecting plate having an inwardly extending web.

1,462,631. PULLEY BLOCK. BROWN E. BARNES, Portland, Oreg., assignor to Willamette Iron & Steel Works, Portland, Oreg., a Corporation of Oregon. Filed June 8, 1922. Serial No. 566,863. 11 Claims. (Cl. 254-192.)



1. In a pulley block, the combination of a sheave; cheek pieces; a bearing pin for the sheave mounted in the cheek pieces with an undercut connection; and a tie rod extending through the pin securing the pin and cheek pieces.

1,462,632. METHOD AND APPARATUS FOR RECTIFYING POLYPHASE CURRENTS. GEORGE B. COLEMAN, San Francisco, Calif., assignor to Coleman X-ray Company, San Francisco, Calif., a Corporation of California. Filed Oct. 16, 1919. Serial No. 331,033. 4 Claims. (Cl. 175-364.)

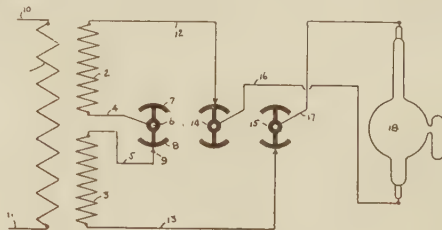


2. In a transformer provided with primary coils adapted to be energized from a polyphase electric circuit; secondary coils for the said primary coils, the said secondary coils being divided between the terminals of each, and means interposed at each of said points of division constructed and adapted to periodically complete and alternately therewith to interrupt the corresponding windings and comprising a motor and including a rotary shaft in synchronism with the impressed electromotive force, commutator parts on said shaft and brush means in combination therewith adapted to complete and interrupt the windings aforesaid.

1,462,633. METHOD OF PRODUCING DIRECT CURRENT FROM AN ALTERNATING CIRCUIT AND MEANS THEREFOR. GEORGE B. COLEMAN, San Francisco, Calif., assignor to Coleman X-ray Company, San Francisco, Calif., a Corporation of California. Filed Feb. 26, 1920. Serial No. 361,584. 7 Claims. (Cl. 175-364.)

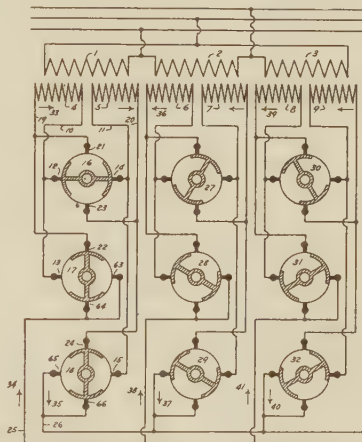
1. The method of deriving unidirectional current from a transformer secondary which consists of interrupting the winding of said secondary at an intermediate point

during the time of one polarity and simultaneously interrupting an external circuit connected to the terminals



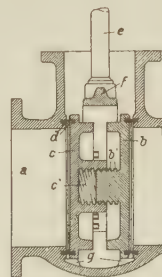
of said secondary, and completing the circuit at the intermediate point and at the terminals during the time of the other polarity.

1,462,634. MEANS AND METHOD OF CONVERSION BETWEEN ALTERNATING AND DIRECT CURRENTS. GEORGE B. COLEMAN, San Francisco, Calif., assignor to Coleman X-ray Company, San Francisco, Calif., a Corporation of California. Filed Dec. 11, 1919. Serial No. 344,101. 2 Claims. (Cl. 175-364.)



1. In a transforming system, a plurality of dephased secondary windings each divided at substantially its center and provided with a commutating device, a second commutating device interposed in each of the dephased secondary windings, means adapted to rotate said commutators in synchronism with an impressed wave, said commutators spaced angularly in accordance with the phase differences of the secondary windings.

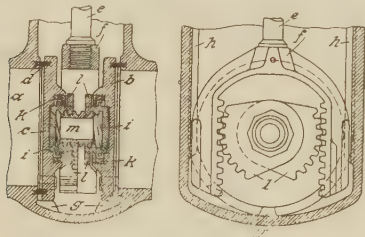
1,462,635. EXPANDING GATE VALVE. EDUARD EDLER, Leipzig-Lindenau, Germany, assignor, by mesne assignments, to Albert Karl Iseler and Albert Georg Wilhelm Iseler, both of Leipzig-Plagwitz, Germany. Filed Nov. 19, 1920. Serial No. 425,220. 4 Claims. (Cl. 251-66.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A high pressure slide stop valve with parallel steam-tight surfaces comprising in combination a housing, one obturating disc, a threaded pin on the centre

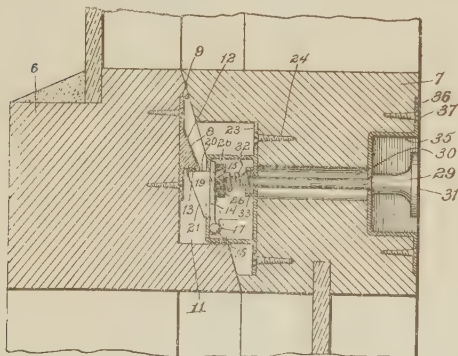
of said obturating disc, a second obturating disc having a female thread at the centre for the reception of said threaded pin, packing rings, a valve spindle, a yoke for operating said threaded connection, and means for transmitting the motion of said spindle to said yoke.

1,462,636. HIGH-PRESSURE SLIDE-STOP VALVE WITH PARALLEL STEAM-TIGHT SURFACES. EDUARD EDLER, Leipzig-Lindenau, Germany, assignor, by mesne assignments, to Albert Karl Iseler and Albert Georg Wilhelm Iseler, both of Leipzig-Plagwitz, Germany. Filed Oct. 26, 1921. Serial No. 510,619. 2 Claims. (Cl. 251-66.)



1. An improved high pressure slide stop valve with parallel steam-tight surfaces comprising in combination with the housing, the seating rings in said housing, the valve spindle and a yoke operated from said valve spindle and having teeth at its two sides, two obturating disks the one opposite the other having each a cavity at the center, seating rings in said obturating disks opposite said seating rings of the housing, an internally threaded nut in each of said cavities projecting from the inner surface of the corresponding obturating disk, means for securing said nuts in said cavities so that they can freely revolve but are prevented from axial displacement, a screw bolt connecting said nuts, and one-armed levers on the freely projecting rims of said nuts forming together a toothed segment for each nut adapted to be operated from the corresponding teeth of said yoke so that at the beginning and end of the ascent and descent of said yoke said obturating slides are first moved towards or away from each other before the teeth of the yoke begin to act upon the toothed segments and to raise or lower said obturating disks.

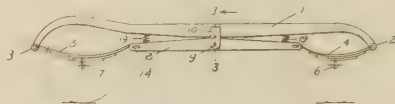
1,462,637. SASH FASTENER. STEPHEN R. FETNER, Albany, Ga. Filed Feb. 25, 1922. Serial No. 539,060. 6 Claims. (Cl. 292-227.)



2. In a window latch, the combination with the meeting rails of window sashes, of a keeper carried by one of said sashes, a latch member carried by the other sash and movable into or out of engagement with said keeper, a longitudinally and rotatably movable rod, and a pivotal connection between said rod and the latch

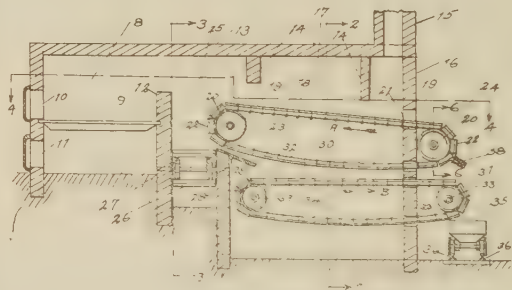
member, whereby the latch member may be moved into or engagement with said keeper through longitudinal movements of said rod, said pivotal connection including co-acting surfaces on the inner end of the rod and outer side of the latch member, engageable and disengageable with each other through reverse rotary movements of said rod.

1,462,638. AUTOMOBILE SPRING EQUALIZER AND SHOCK ABSORBER. WILLIAM J. HACKETT, Reno, and FRED T. ABBAY, Hazen, Nev. Filed Oct. 9, 1922. Serial No. 593,289. 17 Claims. (Cl. 280-104.)



1. In a device of the character described, in combination, front and rear axles of an automobile, a chassis, a spring suspension therefor including leaf springs extending rearwardly from the front axle and forwardly from the rear axle, means supported on the chassis intermediate the front and rear axles and having connection with the rear end of the front spring and front end of the rear spring and adapted to permit the necessary flexing of the springs and positively to communicate substantially all vertical motion of the inner end of either spring relative to the chassis to the other in an opposite direction.

1,462,639. STEEL-HEATING FURNACE. JAMES HUNDELEY, Noblesville, Ind., assignor to New Process Iron and Steel Company, Noblesville, Ind. Filed July 23, 1919, Serial No. 312,749. Renewed Feb. 25, 1922. Serial No. 539,293. 3 Claims. (Cl. 266-10.)

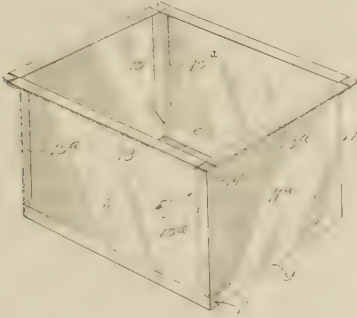


3. In a heating furnace an endless conveyor consisting of hinged connected elements, refractory blocks or bricks carried by said elements, a heating chamber surrounding a portion of said conveyor, means for operating said conveyor and for discharging material therefrom upon a second conveyor within said furnace, an additional conveyor to remove slag and other cinder from said furnace, brushes or other means for removing adhering slag or cinder from said conveyor elements and means for actuating said conveyors, substantially as and for the purpose described.

1,462,640. SHEET-METAL RESERVOIR AND METHOD OF MAKING THE SAME. RUDOLPH HOFFMAN, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed June 19, 1920. Serial No. 390,059. 10 Claims. (Cl. 113-116.)

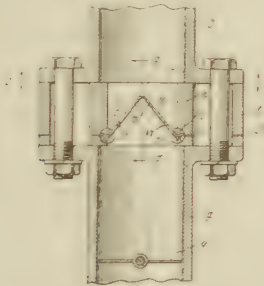
1. A sheet metal reservoir formed from a blank having a central portion deep-drawn to provide a seamless

lower portion for the reservoir consisting of a bottom wall having upturned edge walls, and wing portions bent



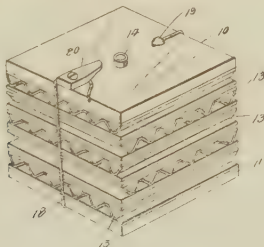
upwardly from and in continuation of said edge walls and joined to provide the side walls of the reservoir.

1,462,641. GAS DISTRIBUTING AND GOVERNING VALVE. HARRY R. JACKSON and HENRY A. MAY, Chicago, Ill. Filed Dec. 2, 1920. Serial No. 427,906. 1 Claim. (Cl. 48—180.)



The combination with the intake duct of an internal combustion engine of a throttle valve in the duct located between the carburetor and the engine, a pair of gates located between the throttle and the engine, said gates extending from the sides of the duct obliquely inward and forward in the direction of flow, a pair of rock-shafts partially embedded in the walls of the duct and carrying said gates to form hinges therefor, and means for yieldingly urging the gates toward each other, the duct having airholes for admitting air into the duct and the rock-shafts having airholes passing through them and adapted to register with the airholes in the duct when the gate is swung away from closed position and to come out of register when the gate is approximately in closed position.

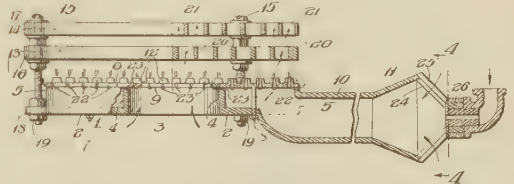
1,462,642. TRANSPORTATION PACKAGE FOR GRAPHOPHONE RECORDS. JOSEPH P. KARST and OLIVER J. KARST, St. Louis, Mo. Filed July 7, 1921. Serial No. 483,016. 2 Claims. (Cl. 206—62.)



1. A transportation package for records and the like comprising separate rigid heads, a record adapted for disposition intermediate said heads, cushioning fillers intermediate the records and heads, said filler and one of said heads having openings therethrough to coincide

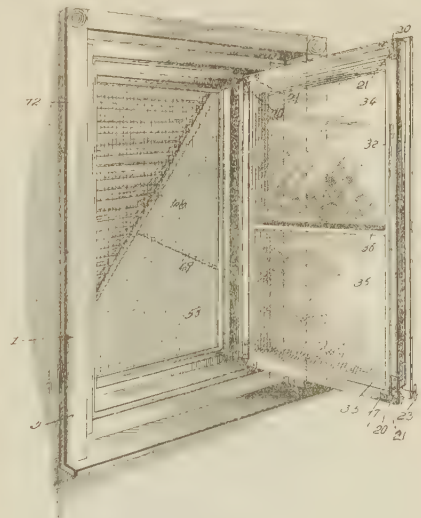
with the spindle-opening of the record, a stem extending from the other head removably through said opening, and a tie means adapted to be passed about the package connected to one of said heads and serving to slide the first mentioned head along the stem and thereby compress the filler against the record.

1,462,643. GAS HEATER FOR FURNACES, STOVES, OR APARTMENTS. THEODOR EMIL KREUTZER, Philadelphia, Pa., assignor to The Home Comfort Heater Co., Philadelphia, Pa., a Corporation of New Jersey. Filed Sept. 13, 1922. Serial No. 587,889. 4 Claims. (Cl. 158—113.)



1. In a gas heater, a hollow base comprising a bottom plate having centrally therein a vertical peripheral rim forming a flue, and an exterior rim and a covering plate resting on said rims and secured to said bottom plate, said covering plate having centrally therein a flue coincident with said flue of the base and being provided with gas burner orifices, said base having connected with it a gas supply pipe, perforated plates elevated above said covering plate, bolt-like members connected with said base and rising therefrom and connected with said elevated plates, and tightening nuts adapting said plates to be supported separately from each other and from said base.

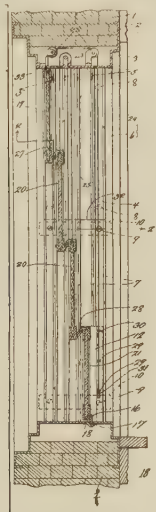
1,462,644. WINDOW SASH, SCREEN SASH AND SHUTTER, AND WINDOW FRAME THEREFOR. GEORGE WASHINGTON LANCASTER, Richmond, Va., assignor to Perfected Window Company, Richmond, Va., a Corporation. Filed Feb. 20, 1920. Serial No. 360,151. 25 Claims. (Cl. 20—40.)



1. In a device for the purpose indicated, a window casement, an outer closure swingingly mounted therein and tending to a closed position, a second closure swingingly mounted in the casement, latching connections between the two closures, said closures swinging through intersecting arcs, whereby when the closures are being opened the latching connections may disconnect, and when the outer closure is moving toward a closed posi-

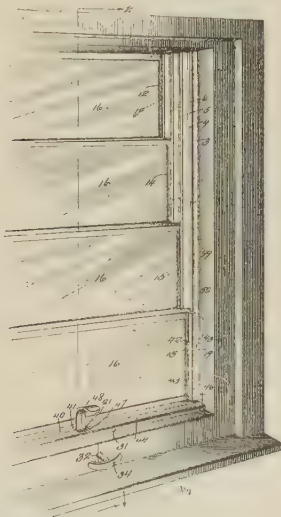
tion, it may move the second closure to a closed position, thereby causing the latching means to reconnect, the second closure being movable to a closed position independently of the outer closure, which may remain open.

1,462,645. COUNTERBALANCING SASHES FOR STATIONARY WINDOW CASEMENTS. GEORGE W. LANCASTER, Richmond, Va., assignor to Perfected Window Company, Richmond, Va., a Corporation. Filed Jan. 5, 1921. Serial No. 435,233. 13 Claims. (Cl. 20—52.)



1. In a window construction, a frame having opposed vertical guides, counterbalancing sashes movable in the guides, a slide frame movable in certain of said guides and provided with means for supporting one of the sashes, said sash being freely removable from said supporting means and a connection between another of the sashes and the slide, whereby the other sash and the slide may be moved simultaneously.

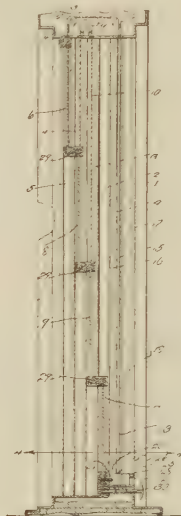
1,462,646. PLURALITY OF COUNTERBALANCING SASHES FOR WINDOWS. GEORGE W. LANCASTER, Richmond, Va., assignor to Perfected Window Company, Richmond, Va., a Corporation of Virginia. Filed Mar. 19, 1921. Serial No. 453,592. 11 Claims. (Cl. 20—52.)



1. In a window, a casement having guides, upper outermost and lower innermost sashes mounted in certain of the guides, counterbalancing means in certain others of

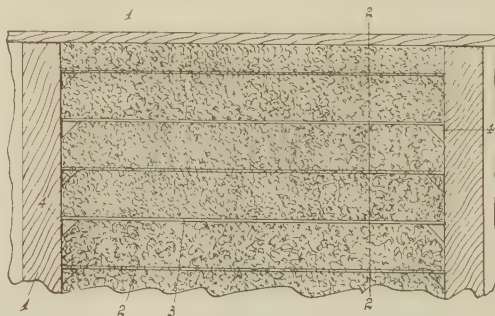
the guides, and means operatively connected to the upper outermost sash and adapted to operatively couple with the lower innermost sash or with the counterbalancing means, whereby the two sashes may balance each other throughout the full height of the casement, or the upper outermost sash may be counterbalanced independently of the lower innermost sash.

1,462,647. COUNTERBALANCING SASHES FOR VARIOUS METAL AND OTHER CASEMENTS. GEORGE W. LANCASTER, Richmond, Va., assignor to Perfected Window Company, Richmond, Va., a Corporation of Virginia. Filed Nov. 22, 1921. Serial No. 517,041. 5 Claims. (Cl. 20—52.)



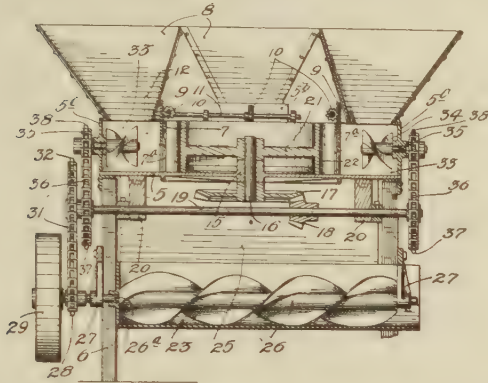
1. In a window structure, the combination with a casement having opposite perpendicular guides, of uppermost and lowermost sashes, mounted in certain sets of the guides, counterbalancing devices mounted in another set of the guides, spaces connecting the lower ends of certain sets of the guides between the guides for the sashes and those for the counterbalancing devices, an operating device mounted to move selectively in any of the connected sets, by shifting it through said spaces, means operatively connecting said device and the uppermost sash, and means for detachably and operatively connecting said device with the lowermost sash, or the counterbalancing devices, whereby the lowermost and uppermost sashes may be counterbalanced in their movements, or the uppermost sash moved independently and counterbalanced with the counterbalancing devices.

1,462,648. INSULATING WALL. HARVEY B. LINDSAY, Oakland, Calif., assignor to The Dry-Zero Corporation, Oakland, Calif., a Corporation of California. Filed Apr. 5, 1922. Serial No. 549,795. 6 Claims. (Cl. 20—4.)



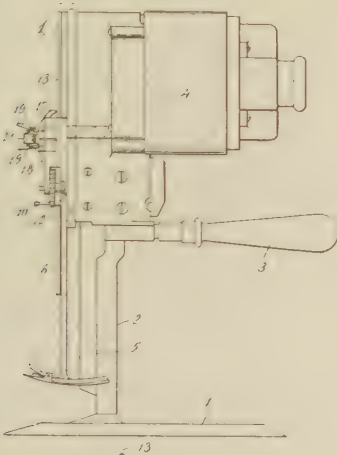
1. An insulating wall including a wall casing, a packing of kapok in said wall and horizontal superimposed anchor bars in said casing adjacent the side walls thereof.

1,462,649. PERCENTAGE FEEDER AND MIXER. ANGUS D. MACLELLAN, Owensboro, Ky., assignor to MacLellan Mixer Company, Owensboro, Ky., a Corporation of Kentucky. Filed Apr. 5, 1922. Serial No. 549,933. 12 Claims. (Cl. 83—44.)



1. In a feeder of the class described, the combination with a base plate having recesses in its outer periphery, a wheel journaled to said plate, means between said recesses delivering different material laterally to said plate, and means on said wheel for conducting the material to said recesses.

1,462,650. PRESSER-FOOT LATCH. HYMAN MAIMIN and AUGUST FREDDY, New York, N. Y., assignors to H. Maimin Co., Inc., a Corporation of New York. Filed Jan. 4, 1922. Serial No. 526,873. 2 Claims. (Cl. 164—75.)



1. A cloth-cutting machine comprising the combination of a supporting frame, a rack fixed thereto, a presser foot movable relative to the frame, and a double pawl carried by the presser foot and cooperating with the rack.

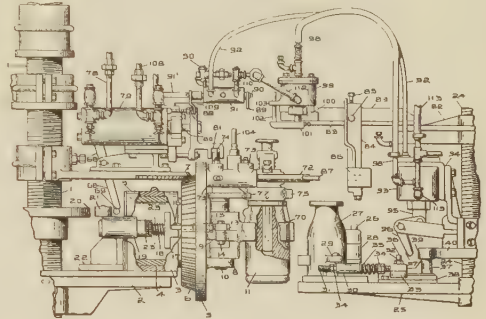
1,462,651. VALVE MECHANISM. HUBERT A. MYERS, Toledo, Ohio, assignor of one-half to Herman Wiener, Toledo, Ohio. Filed Mar. 17, 1919. Serial No. 283,007. 7 Claims. (Cl. 123—188.)



1. In an engine, a valve comprising a valve-seat, a cast metal valve-head which is moulded upon and has therein a previously formed high temperature heat-resisting and relatively non-deteriorating metal insert permanently and rigidly embedded within the cast metal thereof and

thus anchored against working out of position to engage the valve-seat, said insert having its outer edge formed to engage the valve-seat, and having its inner portion formed with anchoring means cast in the valve-head by molding the metal of the head thereon, so that the cast metal which is subject to deterioration is shrunk upon the previously formed insert, to prevent displacement of the insert in any direction.

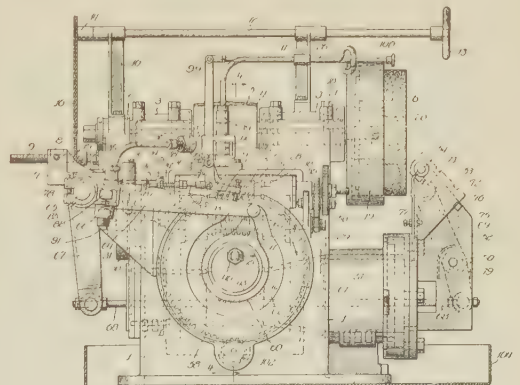
1,462,652. GLASS-HANDLING APPARATUS. FRANK O'NEILL, Toledo, Ohio. Filed June 14, 1920. Serial No. 388,724. 8 Claims. (Cl. 49—9.)



1. A glassware manufacturing apparatus comprising traveling sectional molds, driving means to bring a pair of molds into opposing relation open toward each other, and means carried with one of the molds providing a guide toward the other mold, one of said open molds having a pair of ware engaging shiftable members mounted on the guide means for engaging an article in one mold, shifting said article out of said mold by travel of the members along the guide means and member coating means releasing the article into the other mold by opening of the members.

8. Glassware apparatus comprising a traveling carrier, a mold, a rotatable mounting for the mold as to the carrier including a gear, a stationary rack in the line of travel of the gear for rotating the gear, driving means for the carrier providing a station of rest for the mounting, a device movable relatively to the stationary rack and including a toothed section operable to disengage the gear at said station of rest and slow up carrier travel of the mounting as leaving the rack and reaching said device.

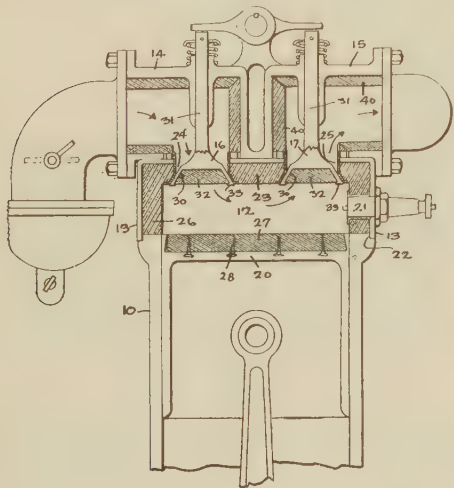
1,462,653. GRINDING MACHINE. WILLIAM C. OSTERHOLM, Chicago, Ill., assignor to Osterholm Automatic Machine Co., Chicago, Ill., a Corporation of Illinois. Filed June 10, 1921. Serial No. 476,409. 19 Claims. (Cl. 51—124.)



1. In a grinding machine, a carriage carrying a grinding wheel, means for propelling said carriage, means for changing the position of said carriage relative to said

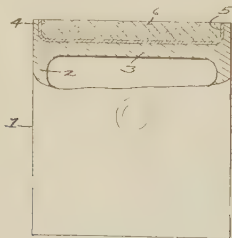
propelling means, means for communicating a feeding motion to said propelling means to move said carriage, a work table and means for moving said work table with a reciprocatory motion in a plane normal to the line of movement of said carriage.

1,462,654. INTERNAL-COMBUSTION ENGINE AND PARTS THEREOF. CHARLES W. PHILIP, San Francisco, Calif. Filed Nov. 9, 1921. Serial No. 513,983. 4 Claims. (Cl. 74-108.)



2. In an engine of the type set forth, a piston having a closed end with an outwardly extending shoulder formed with an inner face the walls of which converge outwardly, and heat-resisting non-conducting material covering the outer face of the closed end of the piston and conformably engaged with the converging walls of the shoulder, said shoulder being integral with the piston and having its said walls of such inclination as to hold the said material in position by frictional engagement therewith, said material having pins which project outwardly from the inner face thereof and are interlockingly embedded in the material of the piston.

1,462,655. PISTON AND METHOD OF MANUFACTURING THE SAME. CHARLES W. PHILIP, San Francisco, Calif. Filed Aug. 30, 1922. Serial No. 585,177. 7 Claims. (Cl. 74-108.)

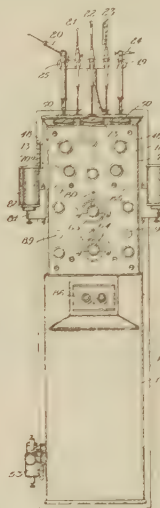


1. A piston having a circular cavity in the closed end thereof; a metal cup fixedly secured within said cavity and a circular disc of non-conducting material mounted within said cup.

1,462,656. DENTAL-APPLIANCE UNIT. OSCAR H. PIEPER and ALPHONSE F. PIEPER, Rochester, N. Y. Filed Sept. 14, 1920. Serial No. 410,241. 12 Claims. (Cl. 32-5.)

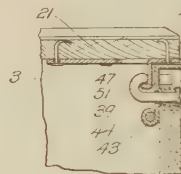
1. A dental appliance unit comprising a support, a panel mounted thereon for movement toward and from the same to afford access to the rear of the panel, an

instrument bracket extending upwardly from the panel, a plurality of electrical instruments carried by the bracket, controlling devices for said instruments located on the



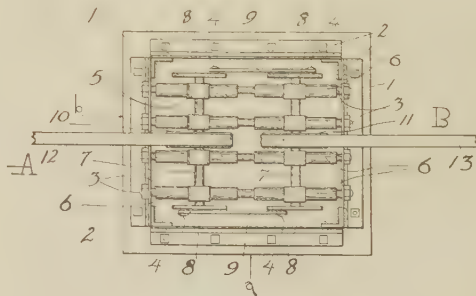
panel, and electrical connections between said controlling devices and instruments including circuit cords looped in rear of the panel to permit the removal and use of said instruments.

1,462,657. BOX FASTENER. RUDOLPH RAINALTER, Kansas City, Mo. Filed Apr. 13, 1921. Serial No. 461,126. 2 Claims. (Cl. 292-175.)



1. A box fastener comprising a bolt, supporting means to fit over the edge of a box, said means having a stay wire engaging loop, a spring-pressed bolt extending transversely through said means and having a hooked end, and a complementary plate for attachment to the lid of the box and having a lip for engagement with the bolt.

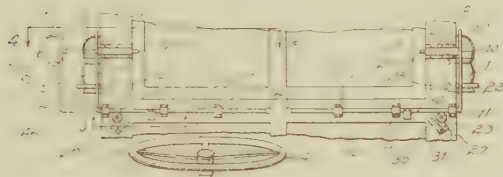
1,462,658. POWER-TRANSMISSION APPLIANCE. HENRY A. RICHARDSON, Colorado Springs, Colo. Filed Oct. 3, 1922. Serial No. 592,086. 1 Claim. (Cl. 74-14.)



In an intermediate power transmission appliance, a rectangular frame, guide bars parallel to each other and rigidly secured in said frame, two separate sets of short tubes slidably mounted on said bars, bearings rigidly secured to top of the longitudinal centers of said tubes, two separate shaftings extending parallel to each other

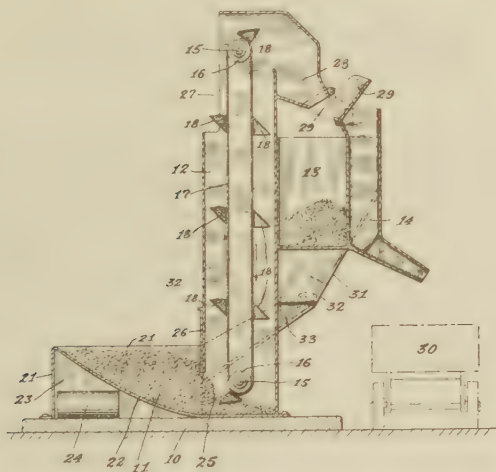
and transversely to said bars and said tubes and extending through said bearings, pulleys on each of said shafts intermediate their said bearings, belts operating said pulleys or operated thereby and transmitting force from the power unit to the load unit, and transmission means connecting said two shafts to operate them together the power from the one operating the other.

1,462,659. AUTOMOBILE TRAFFIC SIGNAL. AUGUST RICK, St. Louis, Mo. Filed Feb. 16, 1922. Serial No. 536,954. 1 Claim. (Cl. 116—50.)



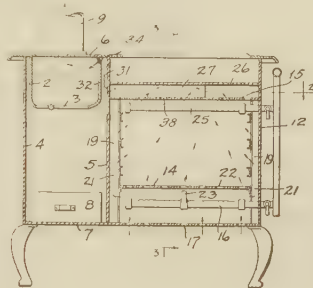
A traffic signal-lamp having a suspending-bail, and suspended from said bail to swing freely back and forth; in combination with a sliding lamp-bracket from which said bail is suspended, and means by which said bracket is moved, to cause said lamp to swing back and forth, in signaling with the same.

1,462,660. TOY. JACOB W. ROLLERSON, Seattle, Wash. Filed Mar. 23, 1920. Serial No. 368,112. 1 Claim. (Cl. 198—43.)



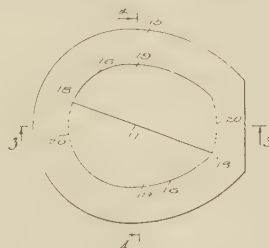
A toy comprising a base plate, a material receiving receptacle secured to the upper face thereof, an upright casing formed integrally with one end of said material receptacle and communicating therewith, a curved bottom wall in said receptacle adapted for feeding material to said casing, conveying mechanism disposed within said casing, means for driving said conveyor mechanism, a discharge chamber formed integrally with the upper end of said casing and upon the side opposite to the said material receptacle, said discharge chamber having an opening formed in the bottom thereof, a hopper carried by said casing and positioned beneath the opening in said discharge chamber, a trough connecting said hopper with said material receptacle for returning the material to the latter, a discharge spout formed integrally with said hopper and spaced outwardly from said discharge chamber, and a chute pivotally connected to said discharge chamber adjacent its opening adapted to selectively deliver material to either the hopper or discharge spout.

1,462,661. GAS STOVE. JOHN H. SATTLEB, San Francisco, Calif., assignor to The Steiger & Kerr Stove & Foundry Co., San Francisco, Calif., a Corporation of California. Filed Nov. 12, 1921. Serial No. 514,447. 8 Claims. (Cl. 126—225.)



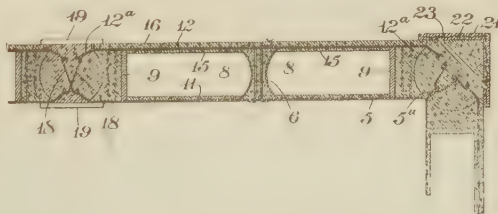
1. In a gas stove, a top stove plate, oven plates enclosing an oven, a solid fuel combustion chamber disposed contiguous to one of said oven plates, said oven plate extending upward to said top plate, a fire box in said chamber spaced from said oven plate, the wall of said fire box adjacent said oven plate being provided with a plurality of apertures and said oven plate being provided below said apertures, with a plurality of apertures for the passage of exhaust products from the oven.

1,462,662. SANITARY TOILET-SEAT COVER. JOHN L. SCHAEFER, Flushing, N. Y. Filed Aug. 11, 1922. Serial No. 581,272. 3 Claims. (Cl. 4—18.)



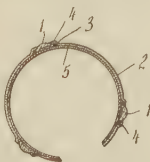
1. As a new article of manufacture, a sanitary toilet seat cover embodying a sheet of material having a slit extending diagonally from front to rear and arcuate slits in opposed relation at opposite sides of the central diagonal slit, said arcuate slits respectively joining at opposite terminals with the diagonal slit to provide oppositely bendable tabs, as and for the purpose specified.

1,462,663. SLAB FOR BUILDING CONSTRUCTIONS. CLINTON W. SCHALL, Columbus, Ohio. Filed July 15, 1922. Serial No. 575,142. 3 Claims. (Cl. 72—44.)



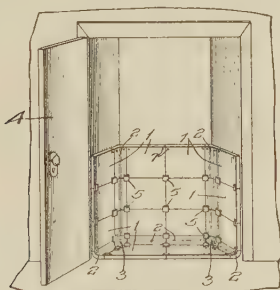
1. A wall constructed of hollow slabs placed edge to edge, said slabs each consisting of two parallel spaced face sheets of foraminate metal adapted to receive, be penetrated by and retain a plastic material, coats of plastic material applied to and covering said sheets except at the vertical margins thereof, and reinforced vertical spacing fillings of plastic material between and connecting said face sheets within the margins thereof, and plastic fillings between said slabs covering the afore-said margins.

1,462,664. POSITION INDICATOR. WALTER B. SCHULTE, Madison, Wis., assignor to Burgess Battery Company, a Corporation of Wisconsin. Filed Oct. 6, 1921. Serial No. 505,701. 3 Claims. (Cl. 240-1.)



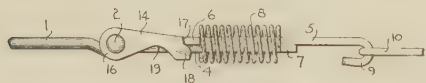
1. Means for attaching position indicators to articles, comprising a strip of flexible resilient material shaped into the form of a split band for clasp ing the article, and provided with translucent beads having backings of luminous materials, said beads being set in openings in the strip of material, the openings being of smaller diameter than the beads.

1,462,665. CONTAINER. JOHN H. SHARP, Chicago, Ill. Filed Nov. 22, 1919, Serial No. 339,907. Renewed Apr. 26, 1923. 9 Claims. (Cl. 217-3.)



1. A knock down interliner of the kind described, adapted to be positioned within a container, said interliner comprising a plurality of sections of suitable material some of said sections adjacent one another being interchangeable and means for detachably securing all of said sections together.

1,462,666. TIRE-CHAIN LOCK AND ELASTIC TAKE-UP. ARTHUR A. SMITH AND HARRY W. PAINE, Eagle Grove, Iowa. Filed June 15, 1922. Serial No. 568,520. 4 Claims. (Cl. 267-72.)

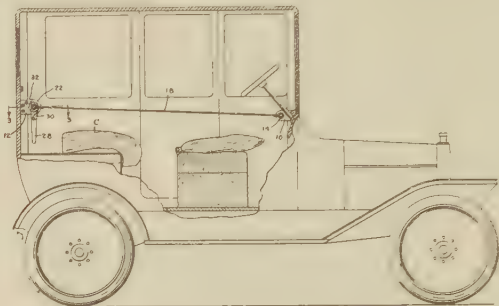


1. The combination of a tire chain lock and elastic take-up, comprising oppositely movable bars in face to face engagement, each bar terminating at its opposite ends in a hook and a T-shaped head, the head of one bar being normally located in the mouth of an adjacent hook on the other bar, a link, connected to the other hook, a spring surrounding the two bars between the heads of the respective bars, and means pivotally mounted on the connection between said link and bar and adapted to engage the head on the other bar to retain the spring compressed and maintain the head out of engagement with the adjacent hook.

1,462,667. AUTOMOBILE BED. ARTHUR STOCKLAND, Minneapolis, Minn., assignor to Charles K. Stockland, Minneapolis, Minn. Filed Aug. 25, 1922. Serial No. 584,244. 1 Claim. (Cl. 5-118.)

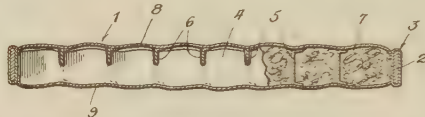
In combination with an automobile, a pair of brackets secured on opposite sides of the automobile at the front

thereof, a strip of flexible material, a rod to which one end of said strip is attached, said rod being adapted to extend through holes in said brackets, a pair of brackets secured on opposite sides of the automobile at the rear thereof, a second rod to which the other end of said strip is secured for rotation therewith, said



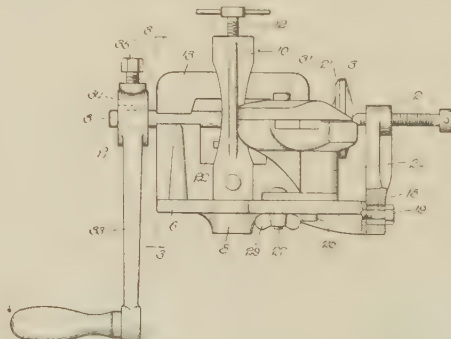
second rod being rotatably mounted in said second pair of brackets, and means whereby said second rod may be rotated to stretch said strip, said second pair of brackets being secured behind the position normally occupied by the back cushion of the rear seat whereby the device when not in use may be stowed behind said cushion.

1,462,668. MATTRESS. BERT STUART, Seattle, Wash. Filed Aug. 30, 1922. Serial No. 585,239. 1 Claim. (Cl. 5-359.)



A mattress comprising bars forming the edges thereof, a covering for the bars, upper and lower covering walls secured to the bar covering, a plurality of flexible strips secured at their ends to the bar covering, said strips having slits to interfit one with the other where the strips cross each other and arranged to form a plurality of independent compartments, and a mattress filling arranged in each of said compartments, whereby the bars form a stiffened frame to carry the strips, hold them in spaced relation, and substantially taut to prevent disarrangement thereof in the mattress and misplacement of the filling in the compartment.

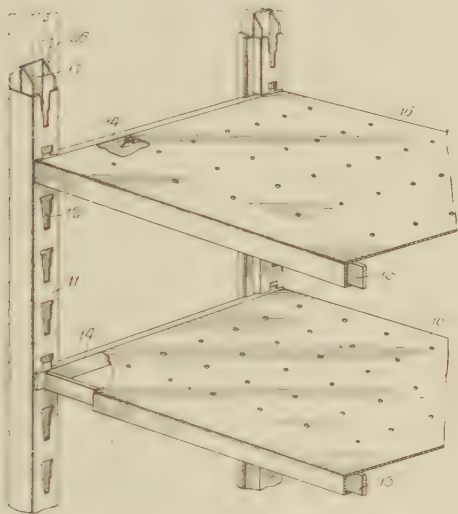
1,462,669. VALVE LATHE. CHARLES G. TURNER, Harvey, Ill. Filed Nov. 7, 1921. Serial No. 513,375. 2 Claims. (Cl. 82-1.)



2. A valve lathe comprising a body having a bearing member for rotatably supporting a valve to be faced, a feed screw arranged on said body for shifting the valve axially into engagement with a cutting tool supported

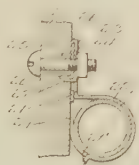
on said body, said body having an aperture formed therein, and a pin seated in said aperture and disposed in substantially parallel spaced relation to the axis of said bearing, said pin being arranged for axial adjustment to limit the axial movement of the valve under the action of said feed screw.

1,462,670. SHELF EXTENSION. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 22, 1919. Serial No. 325,286. 5 Claims. (Cl. 211-27.)



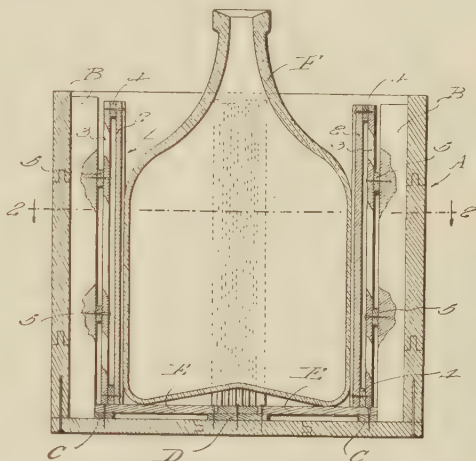
5. The combination of shelf framing, including tubular uprights at the corners of rectangular section and having open tops, and extension connectors adapted to be positioned in said open tops of said tubular uprights to permit upward shelf extension, and each comprising a metal sheet folded back upon itself at the center and having flanges extending out from the lateral sides, said flanges fitting neatly within said tubular uprights, the lower ends of said flanges being bent to permit easy insertion of the connectors into snug engagement with the uprights.

1,462,671. PIPE OR CABLE CLAMP. JOHN VRBA, Chicago, Ill. Filed July 5, 1921. Serial No. 482,637. 5 Claims. (Cl. 248-36.)



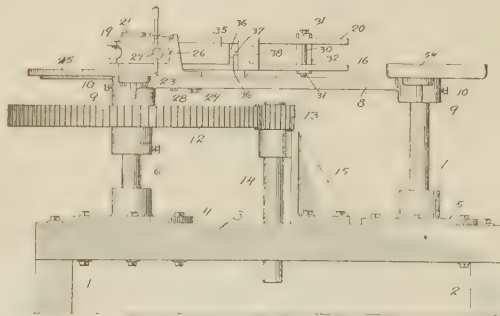
5. A pipe clamp comprising a single piece of metal bent upon itself to form a loop, and a pair of substantially parallel opposed resilient spaced legs having aligned apertures therethrough to receive a bolt whereby said clamp may be supported from a suitable cooperating member, prongs struck up from the leg adjacent said cooperating member so as to be adapted to forcibly enter the material thereof, and a prong struck up from the body of the other leg and extending in the same direction as said first-mentioned prongs so as to be superimposed on one of said first-mentioned prongs and also entering the material of said supporting member.

1,462,672. SHIPPING BOX FOR CARBOYS. CALVIN S. WEATHERBY, South Westville, N. J. Filed Dec. 2, 1920, Serial No. 427,879. Renewed May 3, 1923. 2 Claims. (Cl. 217-53.)



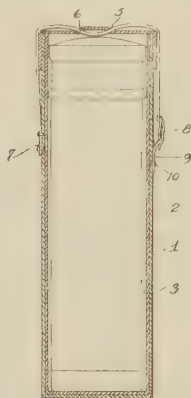
1. A shipping crate for carboys provided with a plurality of corner pieces, and a plurality of vertically disposed bottle-engaging cushioning members secured to said corner pieces intermediate their centers and their opposite ends, each of said members being composed of spaced independently yieldable strips, whereby they will be permitted to flex freely toward and from the carboy at their ends and at their centers and thereby permitted to conform to the contour of the carboy.

1,462,673. BENDING MACHINE. JOHN S. WHEELER, Dunsmuir, Calif. Filed Feb. 5, 1919, Serial No. 275,164. Renewed Aug. 10, 1921. Serial No. 491,286. 3 Claims. (Cl. 153-48.)



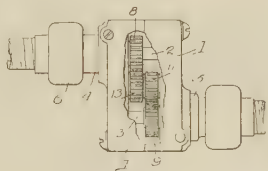
1. A bending machine comprising stationary posts, a frame supported by and extending between said posts, a stationary circular track secured to one end of said frame concentric with the post supporting said end of the frame, a work holder adjustable longitudinally in the frame and disposed eccentrically to the adjacent supporting post and the track, a form block secured on said post and arranged above the frame, a carrier consisting of similar members pivoted to said post respectively above and below the form block, a holder mounted between and held by the carrier members and adjustable longitudinally thereof toward and from the form block, and a presser block seated against said holder and cooperating with the form block.

1,462,674. FLASH-LIGHT CASE. GERALD E. WHITE, Lansing, Mich. Filed Feb. 15, 1921, Serial No. 445,120. Renewed June 6, 1923. 1 Claim. (Cl. 206—1.)



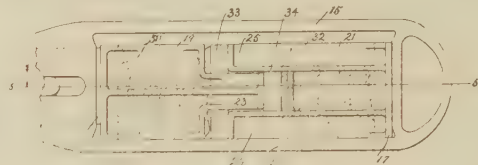
A flash light casing comprising a cylindrical body of non-flexible material, a removable water proof lining for the said non-flexible body, the interior of the body being substantially equal to the exterior diameter of the flash light, one end of the body being open, a removable cap adapted to be mounted on the open end of the body, the said cap having parallel slots in its top, a flexible strap adapted to pass through said slots, one end of the strap being extended over the edge of the cap and fixed to the sides of the said non-flexible body, the other end of the strap being adapted for releasable connection to the opposite side of the said non-flexible body, said water proof lining preventing said strap fastening means from coming into contact with said battery within the non-flexible body.

1,462,675. SPEED-ADAPTER JOINT FOR POWER-TRANSMITTING SHAFTS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 14, 1922. Serial No. 552,766. 5 Claims. (Cl. 74—57.)



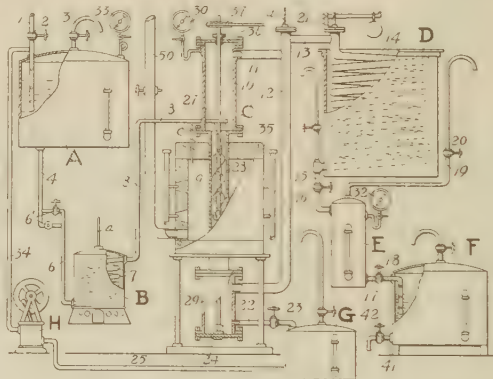
1. For combination with a power transmitting shaft and to be interposed therein to change the speed as between the two parts between which it is interposed, a two-part casing, each part having a cavity at one side having a journal bearing for a shaft, and a shaft journaled therein and protruding therefrom at the side opposite the cavity; a gear on each shaft at a non-protruding part thereof, said casing parts being mated for seating one against the other to combine their cavities in a single continuous closed chamber, and a third shaft having its ends carried in the two casing parts respectively, and two gears rigid with each other on said third shaft, intermeshing respectively with the gears of the two shafts first mentioned, the two pairs of intermeshing gears being different in respect to their gear ratios for changing the shaft speed in transmission through the gear system comprising said four gears; the gears of the two shafts first mentioned being interchangeable and the two gears on the third shaft being laterally transposable, and means for detachably securing the two casing members together.

1,462,676. DRAFT GEAR FOR RAILWAY CARS. HENRY I. WRIGLEY, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed June 3, 1919. Serial No. 301,467. 1 Claim. (Cl. 213—48.)



In a draft gear for railway cars, a pair of opposed followers, an integral spring enclosure on each follower, each enclosure comprising side plates and cross members, a pair of spaced arms extending forwardly from each side plate of one of said enclosures, reinforcing ribs extending along said plates and the adjacent marginal edges of said arms, a pair of arms having reinforced ribs extending rearwardly from the side plates of the other enclosure between said first named arms and engaging said flanges, a cross member for each pair of arms, seating plates engaging said cross member, and springs in each enclosure between the followers and the seating plates.

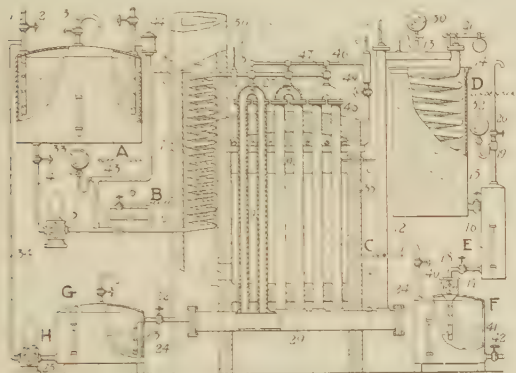
1,462,677. OIL-CONVERTING PROCESS FOR THE CONVERSION AND TRANSFORMATION OF OILS. JOSEPH H. ADAMS, Flatbush, N. Y., assignor to The Texas Company, Houston, Tex., a Corporation of Texas. Filed June 15, 1916. Serial No. 103,725. 32 Claims. (Cl. 196—25.)



5. A process of converting high boiling hydrocarbon oil into lower boiling products in the vapor phase comprising heating the oil in a preheater under superatmospheric pressure to substantially its corresponding boiling point while maintaining the oil in liquid form, admitting the preheated liquid into a chamber under superatmospheric pressure somewhat less than the pressure under which the oil is preliminarily heated, where it breaks into vaporous form, and subjecting the vapors in the chamber to a cracking temperature to convert them in the vapor phase.

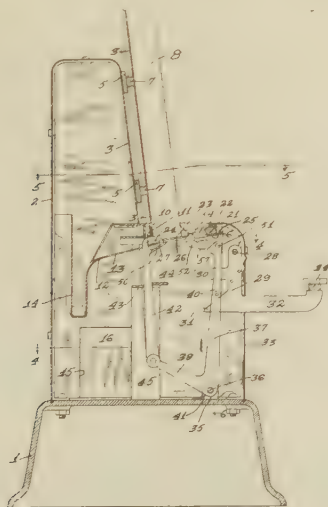
29. A process of converting high boiling hydrocarbon oil into lower boiling products that comprises forcibly delivering oil from a supply tank to one end of a plurality of vertical converter tubes and passing it there-through in flowing streams to be cracked in transit, heating the converter tubes intermediate their ends to a cracking temperature under superatmospheric pressure, withdrawing unconverted liquid oil from the opposite ends of said vertical converter tubes and returning it to mix with the oil in said supply tank for retreatment, removing the vapors evolved in the converter tubes, and collecting below the heating zone carbon and heavy residue formed in said converter tubes and emerging from the lower ends thereof.

1,462,678. OIL-CONVERTING APPARATUS. JOSEPH H. ADAMS, Flatbush, N. Y., assignor to The Texas Company, Houston, Tex., a Corporation of Texas. Filed June 15, 1916. Serial No. 103,726. 23 Claims. (Cl. 196—14.)



19. Apparatus for converting high boiling hydrocarbon oil into lower boiling products comprising a furnace, a plurality of vertically disposed converter tubes located therein and heated to a cracking temperature under superatmospheric pressure and having their respective ends projecting through the upper and lower walls thereof, means for interconnecting the upper ends of said converter tubes above the heating zone, means for interconnecting the lower ends of the converter tubes below the heating zone, a supply tank outside said furnace, means for forcibly delivering oil from the supply tank to one of said interconnecting means whereby the oil is passed through said vertical converter tubes in flowing streams and cracked in transit, means for removing unconverted liquid oil from the other interconnecting means and returning it to the supply tank to be mixed with the oil therein and retreated, and means for removing the vapors evolved in transit through said converter tubes.

1,462,679. SELECTIVE CHANGE MAKER. ALBERT BECK, Chicago, Ill., assignor to McGill Metal Products Company, a Corporation of Illinois. Filed July 20, 1921. Serial No. 486,105. 17 Claims. (Cl. 133—5.)

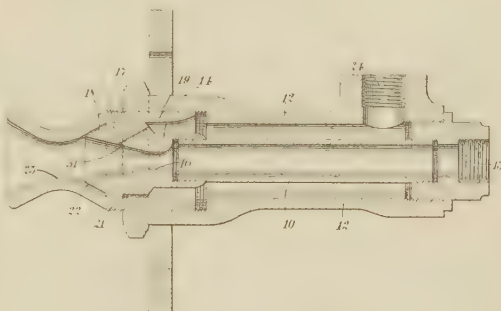


2. A selective change maker comprising a coin holding tube and an ejector mechanism, said ejector mechanism embracing a bell-crank, a coin retaining member on one arm thereof, and an ejecting means on the other arm.

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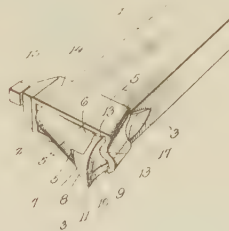
17. A change maker comprising a casing, coin ejecting means therein, a plurality of coin tubes on said casing, slotted base members secured on the lower ends of said coin tubes into which said ejecting means project, means for operating the ejecting means to cause discharge of coins from said tubes, and mouth pieces integrally formed on said coin tube base members through which the discharged coins are ejected.

1,462,680. BURNER FOR FLUID FUEL. JOHN BLISS, London, England. Filed Sept. 1, 1922. Serial No. 585,654. 9 Claims. (Cl. 158—75.)



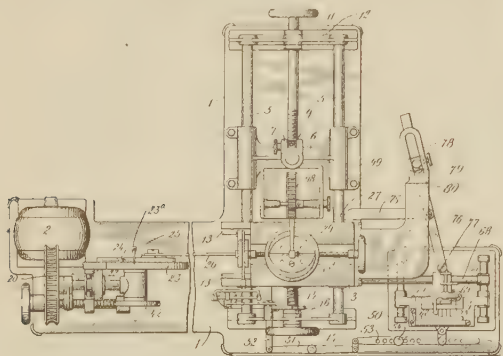
1. A burner of the kind described comprising the combination of a fuel-tube through which the fuel is to be passed in an axial direction, a jacket surrounding said fuel-tube with means to lead steam or other fluid into the jacket-space between it and the fuel-tube, forwardly-directed conduits communicating between the jacket-space and the interior of the fuel-tube near its outlet end to lead fluid from the jacket-space into the fuel-tube to mix with the fuel before it leaves said tube, a nozzle enclosing the outlet end of the fuel-tube, and forwardly-directed conduits which are exterior to the bore of the fuel-tube, which are inclined across the axis of the latter and are so disposed as to lead streams of steam or other fluid into said enclosing nozzle whereby it is free to commingle with the fuel-mixture as it issues from the fuel-tube outlet into the said nozzle, said enclosing nozzle directing all of the commingled fluids.

1,462,681. MINING-MACHINE BIT. NEWTON K. BOWMAN, Bowdell, Ohio. Filed Dec. 15, 1921. Serial No. 522,578. 8 Claims. (Cl. 262—33.)



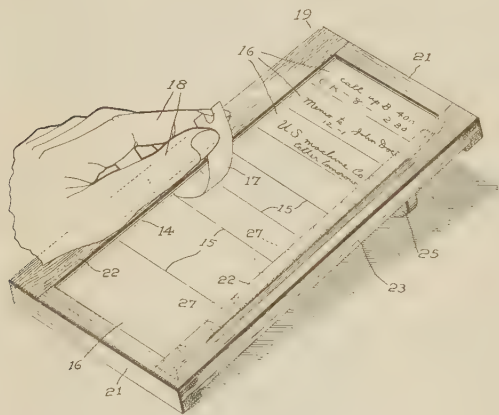
1. The combination of a cutter bar having a longitudinally extending concave seat at its free end and provided with a notch at the end of said seat forming a terminal of the seat, a bit having its sides flared and its back forming a longitudinally extending convex ridge adapted to fit in the said seat, the forward side of the bit being provided with concave arcuate portions merging into the back of the bit to form cutting points, a holder fitting around the bit and the cutter bar, and means carried by the holder to engage the cutter bar and bind the bit in the seat.

1,462,682. ENGRAVING MACHINE. CHARLES C. BRUCKNER, Jersey City, N. J., assignor to Bruckner Mfg. Co., Inc., a Corporation of Delaware. Filed Aug. 17, 1920, Serial No. 404,247. Renewed May 26, 1922. Serial No. 563,990. 39 Claims. (Cl. 90—24.4.)



1. In an engraving machine, the combination of a cutting tool, a work support, a pattern holder, a stylus co-operating with the pattern holder, a driving motor and connections between said motor and said first mentioned parts for simultaneously imparting correlated relative movement to said cutting tool and work holder, and said pattern holder and stylus, respectively, said connections comprising means for varying the amplitude of movement imparted to the operated parts by the driving motor and independent means for varying the speed of movement imparted by said motor.

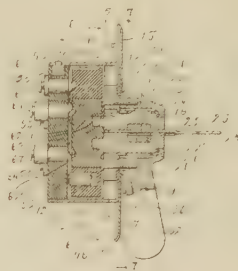
1,462,683. MEMORANDUM TABLET AND HOLDER. HENRY L. BUSH, Hopkinton, and ABEL M. HAMBLET, Salem, Mass. Filed Feb. 23, 1921. Serial No. 447,259. 22 Claims. (Cl. 281—38.)



1. In a device of the class described, in combination, a memorandum tablet having the sheets thereof divided transversely to form a plurality of tablet sections, each section having a number of memorandum leaves secured along one of their marginal edges to the tablet, a holder enclosing the marginal edges of the tablet, and cooperating projections and notches on the leaves and holder forming interengaging positioning elements between the holder and one end of the memorandum leaves to retain the leaves in place.

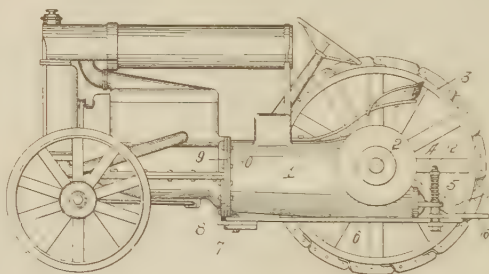
8. In a multiple section memorandum tablet and holder combination, interengaging positioning elements in the holder and in the outside end of the sectional memorandum leaves, which retain the latter in place without interfering with leaf withdrawal.

1,462,684. LOCK SWITCH. HARRY A. CLUM, Wauwatosa, Wis., assignor to Clum Mfg. Co., Milwaukee, Wis. Filed Oct. 16, 1916. Serial No. 125,788. 20 Claims. (Cl. 200—44.)



1. A lock switch, comprising a casing provided with a projecting tubular portion, a rotary switch element mounted within the casing, an oscillating switch element mounted within the casing, a member controlling the movement of one of the switch elements positioned to surround the tubular casing portion, a member controlling the movement of another switch element positioned within the bore of the tubular casing portion, and means locking one of the switch element moving members to the casing tubular portion.

1,462,685. DRAFT APPLIANCE FOR TRACTORS. HOWARD E. COUNTER, Leipsic, Ohio. Filed June 23, 1921. Serial No. 479,739. 3 Claims. (Cl. 280—33.44.)

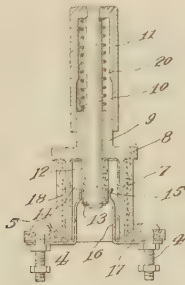


1. A draft appliance for tractors including a member formed for securement to the crank case flange and having a rearwardly projecting tongue, a draw bar secured at one end to the tongue, a pair of cross members engaged with the respective upper and lower faces of the draw bar at the opposite end of the latter, a pair of bolts having their lower ends secured to the said cross members and having their sides engaged with opposite side edges of the last named end of the draw bar, said bolts having their upper ends extending above the upper cross member and formed to extend through the respective clevis receiving openings of the draw bar attaching tongue of the tractor, compression springs encircling said upper ends of the bolts and having their lower ends formed to bear against the tractor draw bar attaching tongue and adjusting nuts on the upper ends of the bolts engaging the upper ends of the springs.

1,462,686. SAW-SET TOOL. NATHANIEL COVELL, Tidioute, Pa. Filed Mar. 30, 1922. Serial No. 548,202. 2 Claims. (Cl. 76—62.)

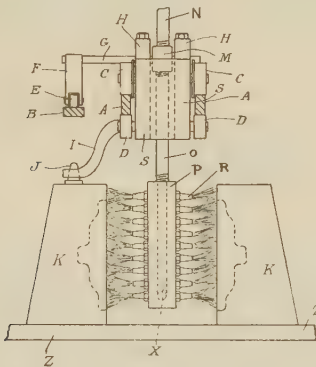
1. In a saw set of the class described, a vertical bar constituting the main body of the saw set, a cross arm secured to said body and adjacent the upper end thereof, a pair of vertically adjustable gauge boards secured to the cross arm, a swinging hammer arm pivotally se-

casing extending upwardly from the base, a movable cap member slidably mounted on the casing, a reciprocating plunger carried by the cap member and having one end projecting within the casing, a ring carried by the inner end of the plunger, contact members con-



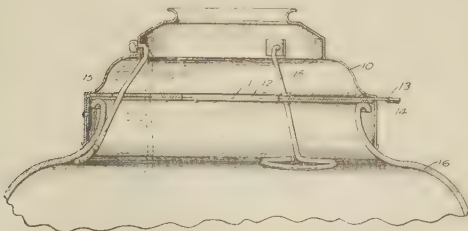
nected with the binding posts and normally engaging said ring whereby downward movement of the cap member will disengage the contacts from the ring and a resistance coil supported around the casing and embedded within an outer casing and having connection with the binding posts, as and for the purpose set forth.

1,462,691. LAMPBLACK BURNER. JOSEPH LOUIS DOSTAL, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Original application filed Sept. 27, 1922, Serial No. 590,913. Divided and this application filed Feb. 17, 1923. Serial No. 619,557. 2 Claims. (Cl. 134—60.)



1. In a burner for depositing lamp black on the surface of molds, a downwardly extending passage, a plurality of upwardly extending passages connected to said downwardly extending passage, a plurality of burners located in said upwardly extending passages.

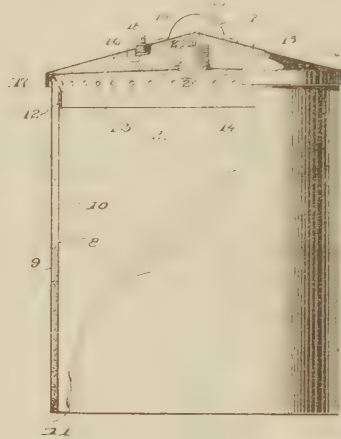
1,462,692. HOLDER FOR LIGHTING FIXTURES. ROMULUS A. L'ECUYER, Chicago, and LE ROY S. MARKS, Oak Park, Ill. Filed Dec. 31, 1921. Serial No. 526,430. 1 Claim. (Cl. 240—130.)



A shade holder comprising a housing to receive the lip of a bowl to be held thereby; a plate with channels

therein rigidly and horizontally secured in the housing; a second plate with channels therein to register with the channels in the first mentioned plate rotatably secured above the first mentioned plate; depending clamping members loosely secured to the housing; their shafts projecting downwardly through the companion channels in the aforesaid plates; means to rotate the second mentioned plate, the channels in the two plates registering to move, simultaneously, the clamping members outwardly or inwardly according to the direction of the rotating of the second mentioned plate, substantially as shown and described.

1,462,693. GERMICIDE RECEPTACLE AND COVER. JOSEPH C. FISCHER, Milwaukee, Wis. Filed July 2, 1921. Serial No. 482,183. 3 Claims. (Cl. 220—87.)



1. A receptacle of the class described, comprising an inner and an outer casing of different diameters to provide a space therebetween adapted to receive a germicide, the upper end of the outer casing being extended beyond the upper end of the inner casing and then bent inwardly to close the upper end of said space, that portion of the outer casing extension enclosing the space being apertured to provide an outlet into the receptacle for fumes given off by the germicide.

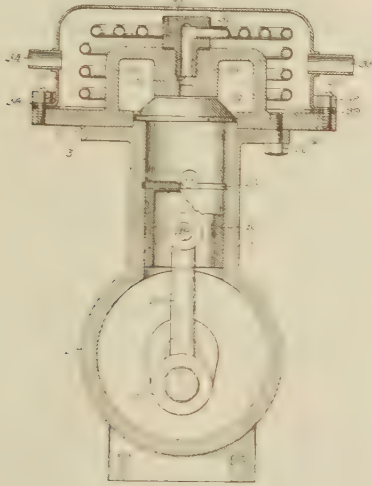
1,462,694. DOOR HANGER. FRANCIS K. FASSETT, Dayton, Ohio. Original application filed June 22, 1914, Serial No. 846,450. Divided and this application filed June 5, 1922. Serial No. 565,971. 8 Claims. (Cl. 16—105.)



4. In a door hanger, a track, a pair of wheels to roll thereon, an axle protruding from each side of said wheels, a pair of links, one on each side of the wheels and having recesses in their upper edges in which the axles lie, the recesses being open at their tops so as to expose the tops of the axles, while connecting and keeping the wheels a fixed distance apart; a pair of rectilinear bars, one on each side of the wheels, their edges resting on the exposed parts of the axles in the same zone the links occupy, means connecting said riders, a pendent attached to each end of one rider and extending downward, its lower end being bent to form feet extending horizontally under the track; said feet being bifurcated to receive the body of a bolt, the pendants having holes near the bend which join the bifurcations, the holes being large enough to admit the head of a bolt, a pair of bolts to screw into the top of a door, their heads being adapted to pass through said holes and hook on the feet

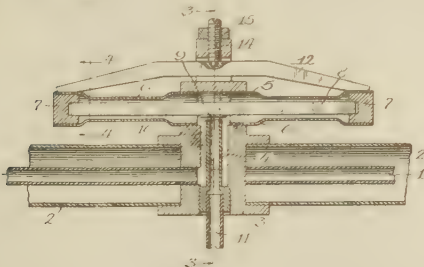
with their bodies in the slots and heads resting on the feet, rectangular washers on said bolts, having flanges to embrace the feet and locate the washers, said washers having slots which permit the bolts to move a limited distance in the feet while preventing the bolts slipping out of the slots, and nuts on the bolts whereby the bolts are rigidly secured to the feet.

1,462,695. COMPRESSOR. CHARLES C. HANSON and JOHN TWARDOWSKY, Chicago, Ill., assignors, by mesne assignments, to Universe Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 13, 1921. Serial No. 469,110. 6 Claims. (Cl. 230—6.)



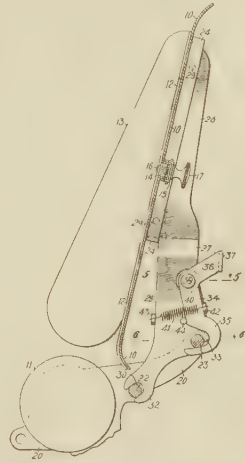
1. In a compressor, a cylinder, a cap closing one end thereof, and a cylinder head positioned within the cap with freedom for slight movement in all directions, the cap having a head-movement stopping portion in axial alinement with the cylinder and an outlet bore extending through the said stopping portion.

1,462,696. EXPANSION VALVE. CHARLES C. HANSON and JOHN TWARDOWSKY, Chicago, Ill., assignors, by mesne assignments, to Universe Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 21, 1921, Serial No. 471,433. Renewed Feb. 8, 1923. 18 Claims. (Cl. 251—139.)



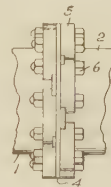
5. A valve comprising a supporting member, a flexible tube secured intermediate of its ends to the supporting member, the ends of the tube being closed and the supporting member having a pair of ports opening into the bore of the tube, a stiff bar disposed in the tube longitudinal thereof and fastened at its ends to the ends of the tube, a closure element carried by the bar and disposed for closing one of the said ports, and means for moving the tube ends with respect to the supporting member so as to move the bar and the closure element with respect to the last named port.

1,462,697. TYPEWRITING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Dec. 13, 1921. Serial No. 522,009. 12 Claims. (Cl. 197—143.)



1. In a typewriting machine in which a paper carriage is included, a paper table having standards with locking devices mounted on and movable with relation to them, the standards being formed to fit on and engage with the frame of the paper carriage, and the locking devices being formed and arranged to engage with said frame and being movable by hand from engagement therewith.

1,462,698. PIPE COUPLING. RODGER F. HAUGHEY, McKeesport, Pa. Filed Sept. 25, 1922. Serial No. 590,239. 3 Claims. (Cl. 285—140.)

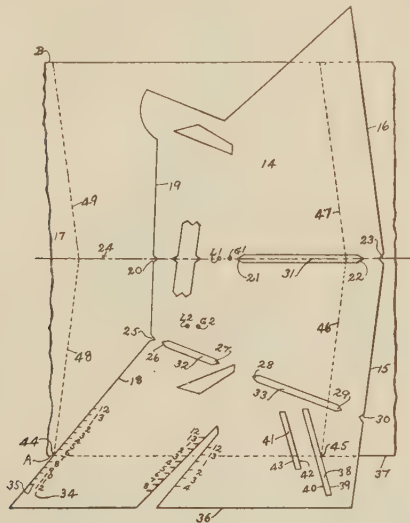


1. In a flange pipe coupling, the combination with a pair of pipes having flanges at their meeting ends, of a clamp formed of small segments alternately engaging the opposite outer faces of the flanges and arranged in staggered relationship with each other, the ends of each segment overlapping the adjacent ends of a pair of adjacent segments on the opposite side of the flanges, a rigid retaining ring arranged between the flanges, and clamping bolts extending through the retaining ring and the ends of the clamping segments.

1,462,699. MEANS FOR MEASURING OR MARKING OFF THE SIZES OF HALF SOLES OF BOOTS AND SHOES. DENIS HAYES, Limerick, Ireland. Filed Apr. 27, 1921. Serial No. 464,799. 6 Claims. (Cl. 33—5.)

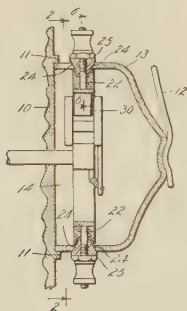
1. Means of the kind described herein for measuring or marking off half soles of men's and women's boots and shoes to unfinished outlines, comprising a marking off plate 14 having at one end a pair of edges 15 and 16 arranged at a predetermined angle to each other and adapted for marking off on a range of material four outer sides 46, 47, 48 and 49 of a double pair of opposing half soles, forming the opposite end of said plate with a pair of edges 18 and 19 also arranged at a predetermined angle and adapted for marking off corresponding inner

and adjacent sides 50 and 51 of said double pair of opposing half soles, in a line at right angles to the edge 19 aforesaid, notches 20, 21, 22 and 23 formed in said plate and adapted for centering it on a centre line 24 on said range in marking off position, on a line bisecting the



apex of edges 18 and 19 a centering notch 25 in line with centering notches 26, 27, 28, 29 and 30 formed in said plate and adapted for centering it on centre line 24 in marking off position, on said edge 18 marked numbers corresponding to sizes of men's and women's half soles.

1,462,700. TIMER. ARTHUR W. HOLWAY, Los Angeles, Calif. Filed Mar. 20, 1919. Serial No. 283,782. 3 Claims. (Cl. 200—26.)

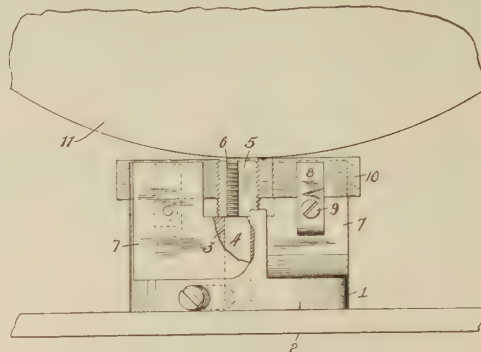


1. In a device of the character described, a shell split circumferentially into two parts, the opposing edges of the two parts of the shell having registering notches therein, a contact carrying ring within the shell, contacts set in said ring and having radially projecting studs which project outwardly through the ring and through the notches in the two parts of the shell, and means to clamp the two parts of the shell together and clamp their notches around said studs.

1,462,701. METHOD AND MEANS FOR TRUING CHASER BARS. CONRAD JOBST, Toledo, Ohio, assignor to Robert L. Ellery, Toledo, Ohio. Filed Jan. 10, 1921. Serial No. 436,080. 6 Claims. (Cl. 76—101.)

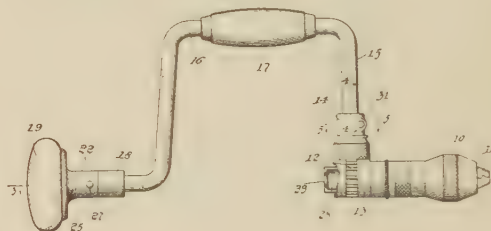
1. The method of truing a thread cutting chaser bar, which consists in placing the threaded end of a chaser

in true interfitting engagement with the thread of a gauge part, then securing the bar in rigid relation to the



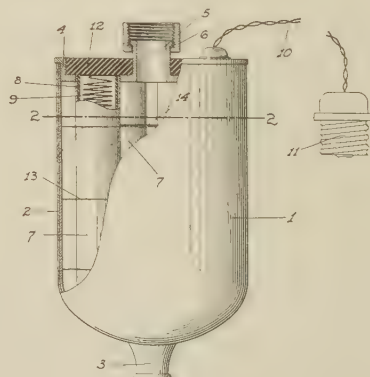
gauge part, and then acting on an exposed part of the chaser bar to true the same.

1,462,702. BRACE. EWALD E. JOHNSON, St. Charles, Ill. Filed May 8, 1922. Serial No. 559,234. 2 Claims. (Cl. 145—70.)



1. A brace comprising a chuck member having a counterbored rear end, a U-shaped crank carried by said chuck and operable therewith and having a counterbored outer end, a removable hand grip having latch dogs pivotally carried thereby and adapted, respectively, to engage said respective counterbores, and means for movably securing said crank to said chuck whereby said crank may be adjusted to a position at right angles to its normal position and thereby provide a lever at substantially a right angle to the axis of the chuck.

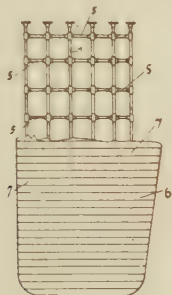
1,462,703. ELECTRIC WATER HEATER. WALTER S. JONES, Orwood, Calif. Filed Sept. 13, 1921. Serial No. 500,389. 3 Claims. (Cl. 219—39.)



1. An electric water heater comprising a casing adapted to be filled with water and connected at one end to a source of water supply and provided with an outlet at the other end, said casing being divided into

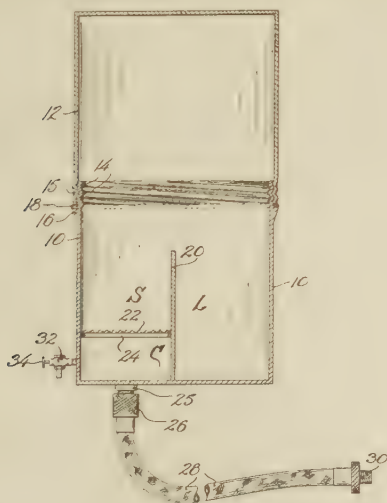
a plurality of compartments between the intake and outlet of the casing, electric heating elements in the casing projecting into the compartments, and means for retarding the passage of the water into and out of the compartments from the intake to the outlet of the casing.

- 1,462,704. FLYING-MACHINE SUPPORTING SURFACE. HUGO JUNKERS, Aachen-Frankenburg, Germany. Filed June 26, 1920. Serial No. 392,141. 11 Claims. (Cl. 244—31.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a flying machine surface in combination, a plurality of longitudinal girders and a sheet-metal covering surrounding the said girder structure and connected therewith in a plurality of places, said sheet metal covering being provided with narrow corrugations substantially uniformly extending in the direction of flight over the entire length of said covering.

- 1,462,705. GAS GENERATOR. JOSEPH M. KIRBY and BERT E. HARTSON, Boulder, Colo. Filed Mar. 3, 1921. Serial No. 449,494. 3 Claims. (Cl. 23—3.)

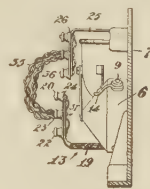


1. A portable inflating device comprising a container adapted to be inverted having at one end a liquid-receiving chamber and a solid-receiving chamber, the other end being adapted to receive liquid and solid as it falls from said chambers when inverted, and a hose leading from the container to conduct gas generated therein.

- 1,462,706. IGNITION WIRING AND CONDUCTOR FOR INTERNAL-COMBUSTION ENGINES. DONALD H. LADD, Torrance, Calif. Filed Apr. 21, 1921. Serial No. 463,285. 4 Claims. (Cl. 123—146.5.)

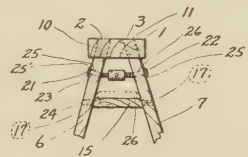
1. An ignition wiring and conductor attachment for timers embodying an oscillatory shell, and a series of

binding posts on said shell, and a series of conductors attached to said binding posts and formed to provide a stiff bracket projecting from the end of the shell, and



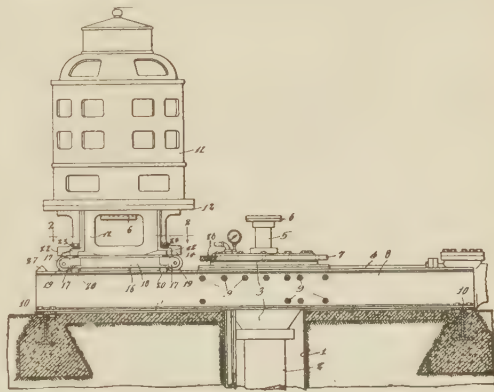
flexible conductors connecting with said bracket conductors substantially in alignment with the axis of rotation of said shell.

- 1,462,707. SAWHORSE. JAMES M. LAWLOR, Topeka, Kans. Filed June 12, 1922. Serial No. 567,766. 5 Claims. (Cl. 304—5.)



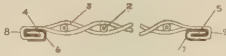
1. A saw horse comprising an elongated, horizontal top member having vertical slots therein inclined toward the longitudinal center of the top member, legs at the respective ends of the top member having tenons received in said slots, and a turnbuckle between each pair of legs, the turnbuckle comprising inwardly extending bolts projecting through complementary legs and provided with aligning threaded ends, the headed portions of the bolts passing through lateral holes in the legs at angles to the axes of the threaded portions and a threaded sleeve for each pair of bolts adapted to be turned to draw the threaded ends of the bolts together to force the tenons into the inclined slots in the ends of the top member.

- 1,462,708. MOVABLE POWER UNIT. MAHLON E. LAYNE, Houston, Tex. Filed Sept. 5, 1922. Serial No. 586,348. 8 Claims. (Cl. 103—87.)



1. A power unit adapted to be secured in a position of operative connection with a driven mechanism, and means for elevating said power unit and translating it laterally away from said mechanism, said means including laterally extended tracks, truck members upon said track, and elevating means operative in one instance to elevate the power unit from position of use and support it upon the trucks for lateral translation, and in another instance to lower the power unit to position of use free from support by said trucks.

1,462,709. METHOD OF PRODUCING REEDLIKE ARTICLES. MARSHALL B. LLOYD, Menominee, Mich., assignor, by mesne assignments, to Levi H. Greenwood and George A. Keyworth, both of Gardner, Mass., and William E. Holman, Leominster, Mass., trustees. Filed Aug. 20, 1920. Serial No. 404,794. 1 Claim. (Cl. 147—48.)



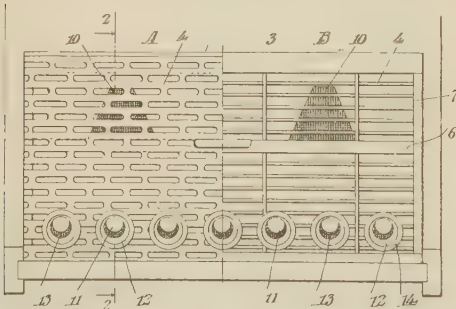
The herein described method of producing reed-like articles that consists in securing a metal binder strip to the edge of a stake and strand reed-like fabric in an enclosing relation thereto, folding the edge portion of the fabric containing the metal binder strip back upon itself to dispose the binder strip wholly upon one side of the fabric, forming thereby an edge and a contiguous portion on one side that discloses only the strands of which the fabric is composed, and in securing the fabric to the frame by separating the outer filler strands, driving the fastening devices through the metallic binder strip and restoring the filler strands to initial position to cover the said fastening devices.

1,462,710. METHOD OF PRODUCING REED ARTICLES. MARSHALL B. LLOYD, Menominee, Mich., assignor, by mesne assignments, to Levi H. Greenwood and George A. Keyworth, both of Gardner, Mass., and William E. Holman, Leominster, Mass., trustees. Filed Aug. 20, 1920. Serial No. 404,795. 4 Claims. (Cl. 147—48.)



1. The method of producing reed articles that consists in providing a frame, in providing an independently woven piece of reed fabric having along one side thereof a portion that is composed only of filler strands and the ends of which are secured by a binder strip, and in securing the fabric to the frame so that the filler strand portion is positioned over the frame member with the binder strip upon the rear side of said frame member.

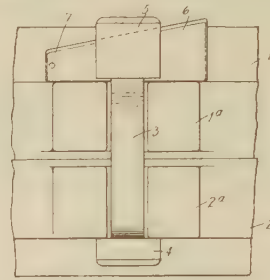
1,462,711. ENTRANCE FOR HIVES. MICHAEL V. LOVETT, Castanea, Pa. Filed Mar. 18, 1922. Serial No. 544,792. 4 Claims. (Cl. 6—4.)



1. In a device of the class described, a reticulated wall, a thimble member of substantially frusto-conical shape anchored in said wall with its larger end disposed therethrough, and a foraminous open ended cone member secured to said thimble at the inner or smaller end thereof and projecting rearwardly from said thimble member.

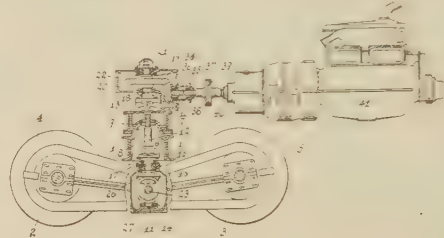
3. The combination with the reticulated outer wall of a bee hive separating the interior from the exterior thereof; of cone members open at both ends arranged in said wall with their larger ends disposed upon the exterior of the wall and the smaller inner ends of the cones disposed interior of said wall.

1,462,712. CLAMPING BOLT FOR TIRE MOLDS. EDWARD LUX, San Diego, Calif. Filed Aug. 9, 1921. Serial No. 490,902. 1 Claim. (Cl. 85—7.)



A device of the class described, including a bolt with a large abruptly extending head on each end, the head on one end provided with a tapered slot therein and a conforming wedge reciprocally mounted in said slot.

1,462,713. CENTER DRIVE FOR GASOLINE-PROPELLED CARS. CALVIN R. MANBERT, Oakland, Calif., assignor to California Car Company, Oakland, Calif., a Corporation of California. Filed Oct. 24, 1921. Serial No. 509,955. 3 Claims. (Cl. 105—104.)



1. A driving mechanism for car trucks including a vertical shaft, a shaft journaled on the truck, a ball and socket joint joining the truck and the car body, the vertical shaft extending through said ball and socket joint, intermeshing gears on said vertical shaft and said shaft, sprockets on said shaft, sprockets on the axles of the truck, a chain extending over each sprocket on said shaft and a sprocket on one of said axles, and means for driving said vertical shaft.

1,462,714. PENCIL-HOLDING CLIP. THOMAS E. MARCHAND, Sacramento, Calif. Filed Aug. 5, 1922. Serial No. 579,880. 2 Claims. (Cl. 24—81.)

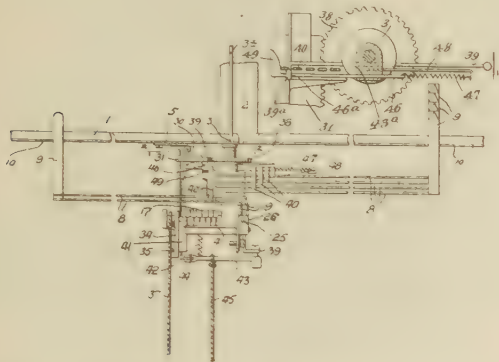


1. A pencil holding device comprising a spring band adapted to frictionally fit onto a finger of a hand, and a spring clip extending outwardly of the band and whose axis is substantially parallel to that of said band; said clip having a side opening through which the pencil is inserted.

1,462,715. MUSIC-LEAF TURNER. FRANK MASH, Detroit, Mich. Filed Mar. 15, 1920. Serial No. 365,696. 6 Claims. (Cl. 84—486.)

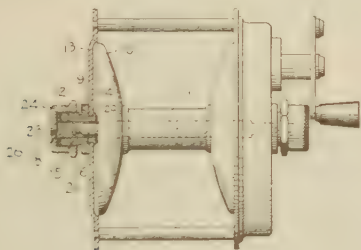
1. In a music leaf turning device, the combination with a ledge, of an arbor carried thereby, a plurality of

spring actuated turning arms carried by said arbor and adapted to be actuated by the springs thereof in one direction, means movably supported from said arbor adapted to cushion movement of said arms, and a re-



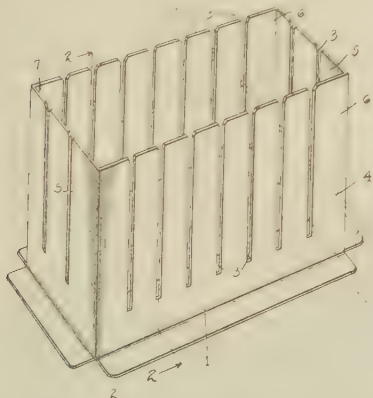
storing mechanism for said arms set by said movable cushioning means and adapted to individually or collectively restore said arms to the original position after having been actuated by the springs thereof.

1,462,716. BEARING. JOSEPH MASIN, New York, N. Y. Filed Dec. 2, 1922. Serial No. 604,472. 6 Claims. (Cl. 64—49.)



1. A bearing comprising a bearing member, an adjusting screw movable in said member, a constricted slotted head on said screw, and a cap lock nut having an opening in the end wall thereof to receive said head, screwed to the outside of said member and adapted to engage said adjusting screw at the juncture of said head and said screw by abutting thereagainst when said nut is tightened on said member.

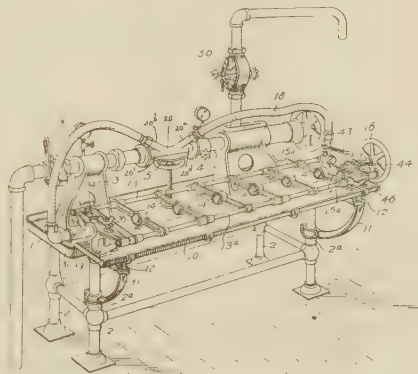
1,462,717. SLICER. LORENZO F. MAUS, Chicago, Ill. Filed July 24, 1922. Serial No. 577,167. 7 Claims. (Cl. 107—20.)



1. In a structure of the class described, the combination of a rectangular holder open at top and bottom, the

side and end walls of said holder having opposed vertical knife guiding slots therein, the slots adjacent one side and end being spaced from such side and end a greater distance than the space between the remaining slots permitting the lateral movement of the material as it is sliced, a positioning block adapted to be mounted upon a table or support to receive said holder, and a bottom loosely fitting within said holder and adapted to rest upon said positioning block in which position it projects above the lower ends of the slots and constitutes a slicing block, said bottom being also adapted as an ejector for the sliced material.

1,462,718. MULTIPLE-METER-TESTER APPARATUS. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Jan. 28, 1920. Serial No. 354,597. 8 Claims. (Cl. 73—51.)



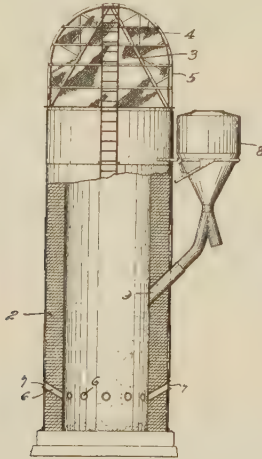
1. In a fluid meter tester, the combination of a table, fluid supply and discharge heads supported by the table, a base supported on one side of the table, with one edge overhanging the top of the table, and adapted to support a plurality of meters, means on the base for establishing communication between the meters supported thereon, and conduits for connecting the end meters of the series on the base with the supply and discharge heads respectively.

1,462,719. MEASURED-SERVICE-TELEPHONE SYSTEM. WILLIAM WALTER OWEN, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1919, Serial No. 304,245. Renewed Mar. 24, 1923. 18 Claims. (Cl. 179—63.)



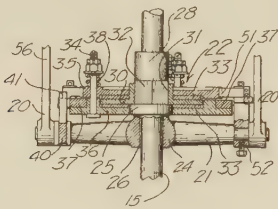
1. In a telephone system, a line, an automatic progressively movable trunking switch individual to said line, wipers for said switch, said line normally disconnected from said wipers, a relay for connecting said line with the wipers when energized, a coin collector for the line having means for either collecting or refunding a coin, and means responsive to the deenergization of said relay for operating the coin collector to either collect or refund a coin.

1,462,720. WASTE-BURNING FURNACE. CLAUDE REES, San Francisco, Calif. Filed Oct. 12, 1921. Serial No. 507,347. 2 Claims. (Cl. 110—18.)



2. A waste burning furnace, comprising a tower-like wall defining a combustion chamber having an imperforate bottom wall upon which the material to be burned accumulates, said wall being provided adjacent said bottom with a plurality of downwardly inclined air inlet passages and being otherwise substantially imperforate.

1,462,721. PUMP-PLUNGER ROTOR. SUMNER B. SARGENT, Los Angeles, Calif. Filed Apr. 14, 1922. Serial No. 552,730. 12 Claims. (Cl. 255—14.)

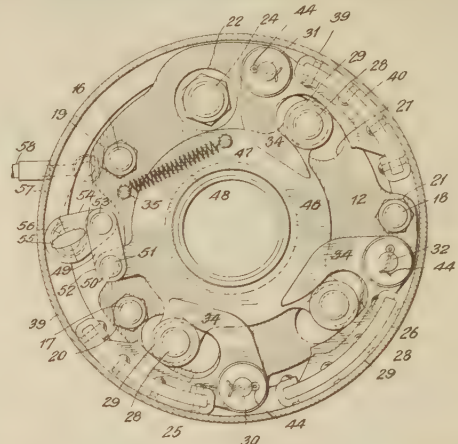


1. In a device of the class described, the combination of: a polished rod; a walking beam; a stirrup connecting said walking beam with said polished rod; a ratchet wheel frictionally mounted on said polished rod; pawl means to actuate said ratchet wheel and thereby rotate said polished rod; and means whereby said ratchet wheel may move downward independently of said polished rod.

1,462,722. BRAKE. RICHARD SCHMITZ, Chicago, Ill., assignor to Ferdinand P. Armbruster and Richard Schmitz, trustees, Chicago, Ill. Filed June 8, 1920. Serial No. 387,358. 3 Claims. (Cl. 188—78.)

1. A brake comprising the combination with a brake drum, of an apertured plate, the apertures being located to clear the standard fastenings, means to hold said plate against rotation, a plurality of pivot pins fixedly mounted in said plate, a plurality of brake shoes pivoted on said pins, having arcuate slots therein and friction engaging surfaces to engage the inner surface of the brake drum, a rotatable spider in spaced relation to the axle, pins carried by said spider, a plurality of rollers on said pins which engage the slots in the brake shoes, a link one end of which is pivotally secured to said spider, a lever to which the other end is secured, a bearing in which said lever oscillates, a brake rod, an arm secured thereto, the other end of which is provided with a laterally extending portion

which is fitted to and engages with an elongated slot in the said oscillating lever whereby when the brake rod is



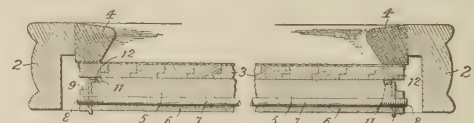
moved, the spider is rotated and the rollers cause the brake shoes to engage the brake drum.

1,462,723. BRAKE FOR AUTOMOBILES. RICHARD SCHMITZ, Chicago, Ill., assignor to Ferdinand P. Armbruster and Richard Schmitz, trustees, Chicago, Ill. Filed June 16, 1920. Serial No. 389,300. 10 Claims. (Cl. 188—79.)



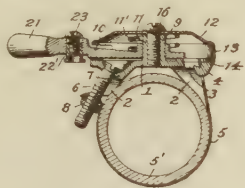
1. The combination with a brake drum of a fixed supporting plate, a plurality of brake shoes pivotally mounted on said plate, a right hand and a left hand spider, rotatable means carried thereby which actuate the brake shoes, means to cause said rotatable means to actuate a portion of said shoes and means to actuate the remainder of said shoes.

1,462,724. GAME BOARD. HARRY R. SEAVEY, Portland, Me., assignor to The C. T. Burrowes Company, Portland, Me. Filed Apr. 27, 1920, Serial No. 376,912. Renewed Apr. 9, 1923. 13 Claims. (Cl. 46—13.)



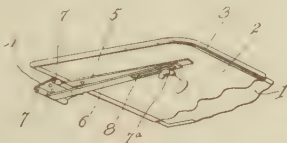
1. In a game board, a bed, a girder secured to the under surface of the bed, and means passing through the girder and engaging the ends thereof for flexing the same.

1,462,725. CARBURETER CONTROL. JOHN W. SWAN, Stamford, Conn. Filed Aug. 26, 1919. Serial No. 319,878. 7 Claims. (Cl. 74—39.)



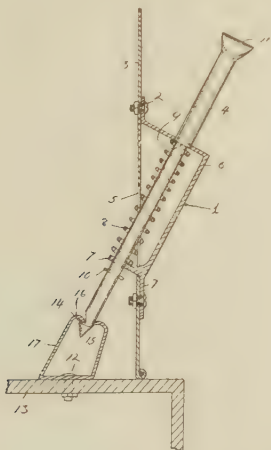
1. A control device comprising a base, a lever pivotally connected to the base, an adjustable sleeve extending through the lever and having a transversely extending opening therein, a valve operating member having one end extending through the transversely extending opening of the sleeve, and means for adjusting the sleeve to tightly grip the valve operating member against the lever.

1,462,726. GLARE SHIELD FOR AUTOMOBILES. HENRY W. VOSS and CHARLES A. BALZER, Cincinnati, Ohio, assignors to The Monarch Carriage Goods Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 22, 1920. Serial No. 425,676. 3 Claims. (Cl. 296—95.)



1. In a device of the character described, a shield member, an arm secured to said shield member, a plate secured to the car body, said plate being formed with two sets of hinge knuckles to one of which sets the arm is hinged, and another arm hinged to the other set of knuckles, and adjustable means for securing said other arm to the shield member in desired adjusted positions thereof on said hinge.

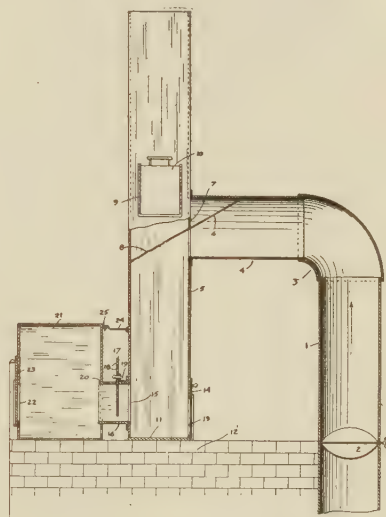
1,462,727. FASTENER FOR AUTOMOBILE HOODS. HARRY S. WILLIAMS, Detroit, Mich. Filed Feb. 14, 1921. Serial No. 444,822. 5 Claims. (Cl. 292—60.)



1. The combination of a movable member of an automobile hood, with an anchorage adapted to be secured within the hood and provided with a pair of cooperating yieldable jaws, a fitting adapted to be secured over an opening through the movable member, a latch member longitudinally reciprocable in the fitting through the opening obliquely to the hood for detachably inter-locking with

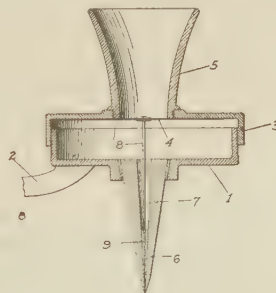
the jaws of the anchorage and a spring member in compression between the latch member and the fitting for yieldingly forcing the fitting and member in the general direction of the latch toward the anchorage.

1,462,728. SPARK ARRESTER. CHARLES D. WRIGHT, San Francisco, Calif., assignor of one-half to Carl G. Trefz, San Francisco, Calif. Filed Feb. 18, 1922. Serial No. 537,562. 2 Claims. (Cl. 183—66.)



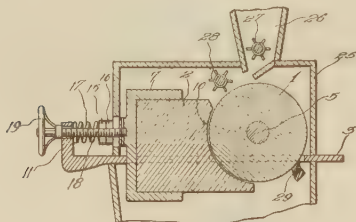
1. A spark arrester embodying in its construction a flue section thru which products of combustion from a furnace and the like are adapted to pass, an upright flue section having communication at a point intermediate of its ends with one end of said first named section being open at its upper end and closed at its lower end, a baffle member extending downwardly and forwardly from the upper side of the first named flue section to a point where said section is connected with the upright section, and a screen extending from said baffle member so as to lie in the path of the products of combustion rising in said upright section.

1,462,729. METHOD OF AND APPARATUS FOR MAKING PHONOGRAPH RECORDS. GIACOMO ALLEGRETTI, Stockton, Calif. Filed Jan. 22, 1921, Serial No. 439,188. Renewed Dec. 28, 1922. 3 Claims. (Cl. 274—32.)



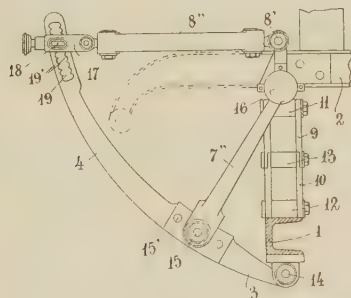
1. An apparatus for the purpose described including a diaphragm adapted to be acted on by the sound-waves produced, a capillary tube containing an etching fluid positioned under the diaphragm, said tube being placed immediately adjacent the record-blank to be etched, and means connected to the diaphragm and acting on the liquid for causing the liquid to be projected from the tube in minute drops bearing a distinct relation to the magnitude and length of the sound-waves causing the diaphragm to vibrate.

1,462,730. MACHINE AND PROCESS FOR REMILLING FINISHED FLOUR TO BLEACH SAME AND OPEN STARCH CELLS. WILLIAM G. ANDREWS, Chicago, Ill. Filed Nov. 19, 1920. Serial No. 425,070. 8 Claims. (Cl. 83—14.)



1. A machine for remilling finished flour comprising two relatively movable members arranged adjacent to each other and made of stones each of uniform hardness throughout but differing from the other in degree of hardness, one of said stones having large pores and the other having small pores, and both of said stones being smooth and being capable of taking a polish at the points of contact with each other.

1,462,731. SHOCK ABSORBER. GIUSEPPE ANTONELLI, Turin, Italy. Filed Apr. 27, 1921. Serial No. 464,828. 1 Claim. (Cl. 267—20.)



A device for resiliently connecting the axle with the frame of a vehicle, comprising an arm having one end pivotally connected to the axle, a rod pivotally connected to the frame and to an intermediate point of said arm, said arm having a slot at its free end; a buffer comprising a rigid member pivotally connected at one end with the frame, a member slidable in said rigid member and engaging the slot of said arm and resilient means between said two members, and a bar connecting the free end of the rigid member of said buffer with the axle of the vehicle.

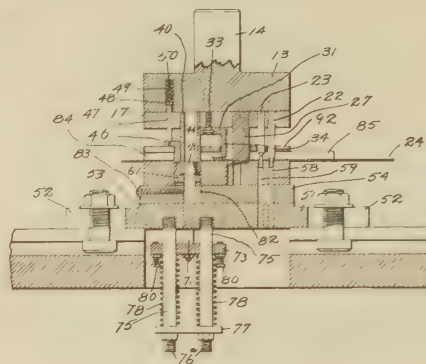
1,462,732. PRODUCTION OF PHOSPHORUS OXYCHLORIDE. ROLAND L. ANDREAU, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 26, 1920. Serial No. 419,753. 3 Claims. (Cl. 23—10.)

1. The process of making phosphorus oxychloride which comprises bringing phosphene into contact, at a temperature between about 300 and 500° C., with a phosphate of a metal capable of forming a chloride which is fusible at the temperature of the reaction.

1,462,733. COMPOUND PROGRESSIVE PUNCH AND DIES. GEORGE BECHERER, Jr., St. Louis, Mo., assignor to Empire Stamping Tool & Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed June 20, 1921. Serial No. 478,812. 8 Claims. (Cl. 153—2.)

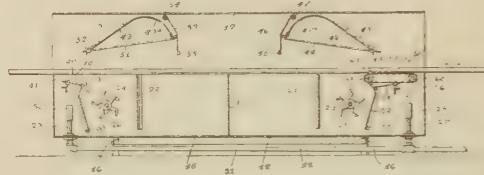
1. A compound punch and die, comprising a punch member having a plurality of punches secured thereto,

some of said punches acting as combined punches and formers, some as punches only, some as formers only, and some having dies formed therein, a die with which



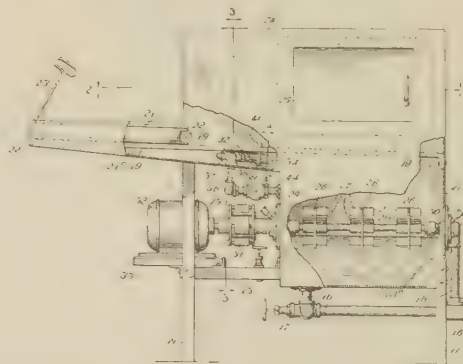
said punches coact, said last mentioned die being equipped with punches to coact with the dies formed in the punches, and means for securing the punch and die to a punch press.

1,462,734. WASHING MACHINE. GEORGE S. BLAKESLEE, Chicago, Ill. Filed July 23, 1917. Serial No. 182,251. 11 Claims. (Cl. 141—9.)



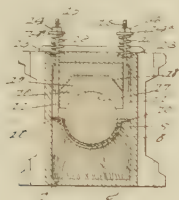
6. A washing machine comprising a tank, a hood extending thereover, means for supporting the articles to be washed over said tank, means in said tank for throwing water upward into contact with the articles to be washed, an overhead deflector in said hood overlying said water throwing means and the articles to be washed, and a depending curtain adjacent to one end of said deflector.

1,462,735. WASHING MACHINE. GEORGE S. BLAKESLEE, Oak Park, Ill. Filed Nov. 10, 1919. Serial No. 337,001. 6 Claims. (Cl. 141—9.)



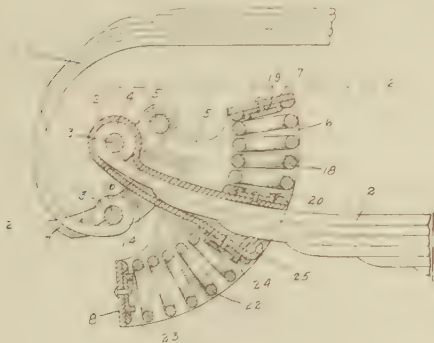
1. A washing machine comprising a housing open at one end and closed at the other, a track extending into said housing toward the closed end thereof, a tank under the inner end portion of said track, means located beneath said track and rotating about an axis disposed longitudinally thereof for throwing water from said tank upward, and a carriage for the articles to be washed movable back and forth on said track.

1,462,736. LUBRICATING JOURNAL BOX FOR CAR AXLES. HARRY V. BODDY, Marceline, Mo. Filed Feb. 16, 1921. Serial No. 445,426. 4 Claims. (Cl. 64—35.)



3. In a lubricating journal box, an axle journal, a journal box therefor having means at one end for the reception and support of an axle, a bearing plate in the boxing for engagement with said journal, a retaining plate between the upper wall of the boxing and the bearing plate, a lubricant wool waste feed for the journal including a plate, tensioned bolts operatively mounted on the upper wall of the boxing and operatively connected to the plate carrying the wool waste feed, said bolts engaging the sides of the bearing plate, acting to hold the bearing plate in place, and abutments carried by the retaining plate and operatively engaging with the bolts, not only to hold the retaining plate in position with relation to the bearing plate, but at the same time acting to hold the bearing plate in position.

1,462,737. COMBINED SHOCK ABSORBER AND REBOUND CHECK FOR MOTOR-PROPELLED VEHICLES. GEORGE G. F. BOSWELL, Indianapolis, Ind. Filed Aug. 11, 1921. Serial No. 491,501. 12 Claims. (Cl. 267—29.)

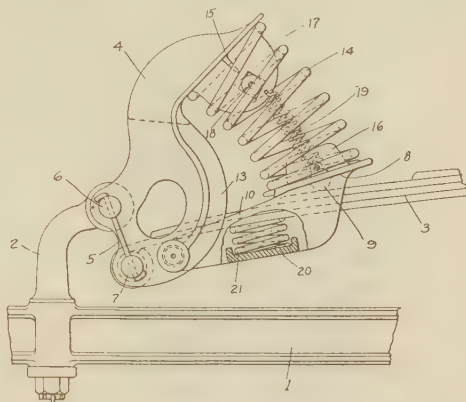


1. In a combined shock absorber and rebound check for vehicles the combination with a body spring and means for pivotally suspending the body of the vehicle from said body spring, of yielding means on opposite faces of the body spring for absorbing shock and rebound and a clip slidable over the end of said body spring forming an anchor for said yielding means.

1,462,738. REBOUND-CHECK SHOCK ABSORBER. GEORGE G. F. BOSWELL, Indianapolis, Ind. Filed Apr. 17, 1922. Serial No. 553,662. 6 Claims. (Cl. 267—17.)

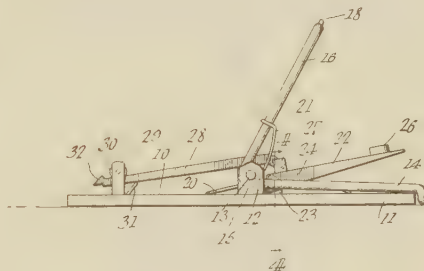
1. In a rebound check shock absorber, a combined compressing arm and shackle, means for pivotally connecting said arm and shackle to a perch hanger and body

spring of an automobile, a base member, means for pivotally securing the base member to parts of the compress-



ing arm, a shock absorber spring between said compressing arm and base, and a rebound spring carried by parts of said base and positioned below the body spring.

1,462,739. ANIMAL TRAP. CHARLES A. CHAMPLIN, Hope, Ark., assignor of thirty-five per cent to Richard E. Rutledge, Hope, Ark. Filed Mar. 20, 1922. Serial No. 545,166. 2 Claims. (Cl. 43—81.)

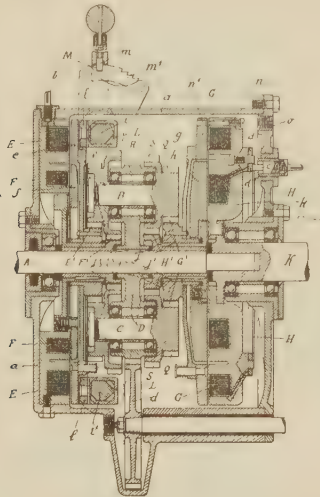


2. An animal trap including a base, a trigger fulcrum upon the base, a spring actuated jaw pivotally secured to the base and normally urged toward the base, an arm extending from the jaw and disposed at an angle thereto, a latch member having one terminal pivotally secured to the trigger and mounted for longitudinal sliding movement upon the base, and means carried at that end of the latch member which is remote from the trigger for operably engaging the arm and moving the latch member into position to engage and hold the arm against the tension of spring which urges the jaw towards the base.

1,462,740. CHANGE-SPEED GEAR MECHANISM. JEAN COTAL, Puteaux, France. Filed June 28, 1920. Serial No. 392,459. 2 Claims. (Cl. 74—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

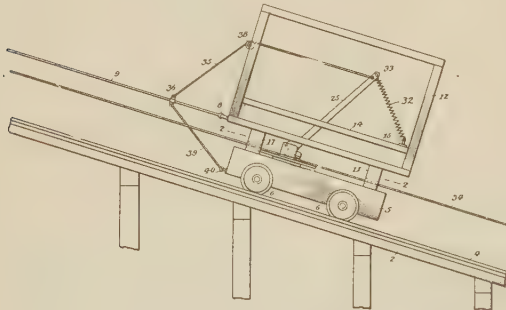
1. A change speed gear comprising a drive shaft, a driven shaft, a frame having bearings for said shafts, two pairs of sun gears of different diameters loose on said drive shaft and revoluble independently of one another, an element fast to the drive shaft and having bearings, intermediate shafts mounted in said bearings of said element and having pairs of planet gears of different diameters at their ends and which respectively engage the sun gears, armatures, one of which is secured to each of the sun gears for rotation therewith, fixed electro-magnets for coaction respectively with the

armatures of the sun gears of one pair, electro-magnets arranged for rotation with the driven shaft for coaction respectively with the sun gears of the other pair, means



to lock one of said armatures to one of said revolvably mounted electro-magnets, and mechanically actuated braking means for one of the armatures which coacts with the fixed electro-magnets.

1,462,741. SAFETY BRAKE FOR CARS, ETC. SHELTON A. CROW, Glomawr, Ky. Filed Oct. 10, 1922. Serial No. 593,602. 3 Claims. (Cl. 187-13.)

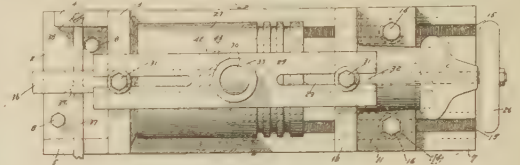


3. In a car brake, a car, a draft cable attached to said car, at its forward end, a brake lever, a fixed centrally disposed brake plate on said car, a pair of spaced longitudinal, vertical flanges secured to said plate, said brake lever being pivoted to, and between said vertical flanges at their upper forward ends, a pivoted brake shoe pivotally mounted on a rearward extension of said brake lever adjacent its pivot, a fixed brake cable passing longitudinally thru said car and disposed between said fixed brake plate and said brake shoe, a rope connected at one end with the upper end of said brake lever and fixed at its other end to said draft cable in advance of said car and adapted to maintain said lever in elevated position to lift said brake shoe, and a tension spring connected respectively at its ends with the upper end of said lever and with a fixed part of the rear of said car, and adapted to urge said lever rearwardly upon a slack in the draft cable, and whereby said brake shoe is permitted to grip said fixed brake cable to said fixed brake plate on said car.

1,462,742. POSITIONING MEANS FOR PISTONS. LEWIS R. DAVIS and ROBERT M. HUGHES, San Francisco, Calif. Filed Oct. 10, 1921. Serial No. 506,795. 5 Claims. (Cl. 77-62.)

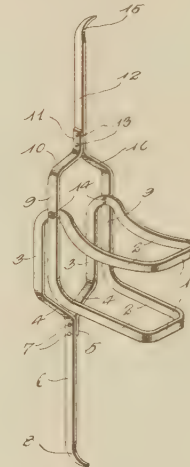
1. A drill jig for holding pistons having an internal stud, comprising means for axially supporting the tube

and means engaging the stud for adjusting its position relative to the axis of the tube, said means comprising a fork having two inclined inner surfaces adapted to en-



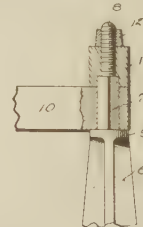
gage the stud and sliding means for intensifying the engagement whereby the stud is forced into a central position relative to the fork.

1,462,743. YOKE FOR CATTLE. PERRY C. GALLAWAY, De Queen, Ark. Filed Aug. 10, 1922. Serial No. 580,942. 5 Claims. (Cl. 119-139.)



1. A restraining yoke comprising pivoted elements, one having a gripping portion for extending above the nose and the second having a gripping portion for extending beneath the lower jaw of an animal, and means for moving said gripping portions towards each other into position for biting engagement with the nose and lower jaw of the animal.

1,462,744. ATTACHMENT FOR MOTOR VEHICLES. JAMES F. GARVEY, Lincoln, Nebr. Filed June 13, 1922. Serial No. 568,067. 3 Claims. (Cl. 224-29.)

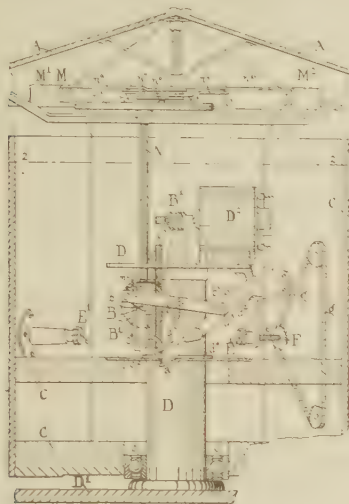


1. In a luggage carrier for motor vehicles, a clamp adapted to be secured to the running board of the vehicle, a standard extending upwardly from said clamp, said standard being provided with a squared portion, a pair of arms having squared openings adapted to be arranged on said standard at right angles to each other, and means for retaining said arms on said standard.

1,462,745. ADVERTISING DEVICE. WILLIAM STEPHEN COX GLOVER, London, England. Filed June 10, 1922. Serial No. 567,390. 5 Claims. (Cl. 40-33.)

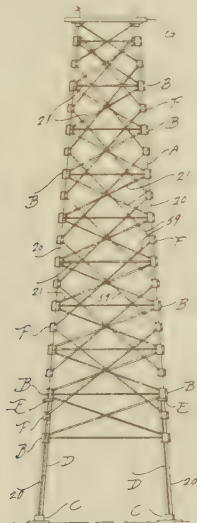
1. In an advertising device of the type referred to the combination with the picture groups and the central

pillar about which they rotate of a frame carrying the picture groups rotating about said pillar, a continuously rotating shaft carried by the frame, a pinion on said shaft, a driving pinion for each picture group engaged



in turn by the pinion on the rotating shaft, a crank on the continuously rotating shaft, links connected to said crank, a pawl actuated by said links and a plate affixed to the frame and engaged by the pawl to rotate the frame intermittently.

1,462,746. REENFORCING STRUCTURE FOR DERRICKS. CLYDE J. GOUGLER, Tulsa, Okla. Filed Nov. 11, 1920. Serial No. 423,380. 11 Claims. (Cl. 189—13.)

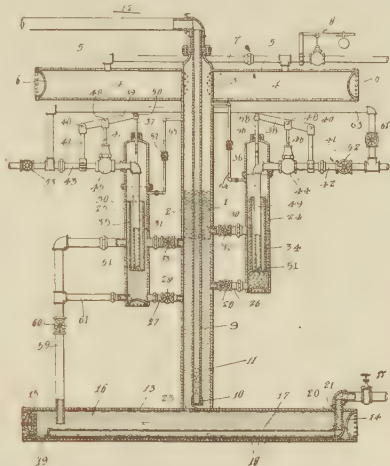


1. In a reenforcing structure for derricks, the combination with a derrick structure, of auxiliary reenforcing legs, base plates for supporting said derrick structure and auxiliary reenforcing legs, and means detachably connecting said auxiliary reenforcing legs to the derrick structure.

1,462,747. CEMENT. HARRY GARRISON HALL, Cottonwood, Ariz. Filed Oct. 24, 1921, Serial No. 510,087. Renewed May 22, 1923. 2 Claims. (Cl. 106—8.)

1. A sealing material for radiators consisting of Portland cement, glue, rosin, lampblack, and sufficient water to form a plastic.

1,462,748. METHOD OF PREVENTING EMULSIFICATION OF OIL DISCHARGING FROM OIL WELLS. RICHARD GIRARD JONES, Los Angeles, Calif., assignor to Brown Process Company, Los Angeles, Calif., a Corporation of California. Filed July 6, 1920. Serial No. 394,067. 9 Claims. (Cl. 196—25.)



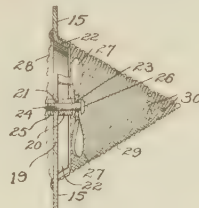
3. The method of preventing emulsification of oil discharging from an oil well, which includes introducing the mixture of oil, water and gas at the well discharge pressure into a column of oil and water under less pressure and under greater pressure than atmospheric below the surface thereof, discharging the gas from the space above the column as it rises, discharging oil and water at different levels from the first column into other liquid columns respectively under the less pressure, and finally discharging the liquids from said other columns.

1,462,749. COLLAPSIBLE SPOUT FOR CANS. ROBERT KEITH HALL, Denver, Colo. Filed Jan. 23, 1923. Serial No. 614,402. 1 Claim. (Cl. 221—11.)



A can having a flat end wall, a spout of thin flexible material consisting of a triangular shaped base member secured to said flat wall, said base member being bounded on two sides by a continuous upstanding wall, said side walls being capable of being folded flat upon said base member.

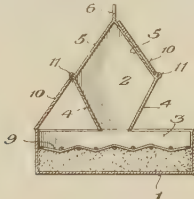
1,462,750. FUEL-MIXING DEVICE. GEORGE M. HART, Des Moines, Iowa. Filed Jan. 9, 1922. Serial No. 527,936. 1 Claim. (Cl. 48—180.)



A fuel mixing device comprising a plate adapted to be interposed between a carburetor and the intake manifold of an engine, said plate having a pair of openings

therein for attaching it in position and having an enlarged opening adapted to register with the openings in the carburetor and the intake manifold, an inwardly inclined flange formed on the edge of said last opening, said flange being designed to project into said intake manifold, a cone shaped screen secured to said plate and adapted to extend over said last opening, a second screen on said plate on the opposite side of said cone shaped screen, said screen being of different meshes, a web extended across said last opening, a fan blade rotatably mounted on said web and received between said screens, and revoluble by the suction for intake manifold, whereby full mixture will be drawn through the fan blade causing it to revolve and be broken up as stated.

1,462,751. POULTRY FEED BOX. FREDERICK T. HUNTINGTON, North Bennington, Vt. Filed Dec. 4, 1919. Serial No. 342,425. 3 Claims. (Cl. 119—61.)



1. A poultry feed box, comprising a box body open at its top, a fixed guard above the box body comprising fixed reversely inclined upper and lower walls, the lower wall inclining upwardly and forwardly and the upper wall inclining rearwardly and upwardly, and a cover hinged to the guard at or near the juncture of its walls and adapted when open to fold and rest upon the upper guard wall and when closed to lie approximately in the plane thereof.

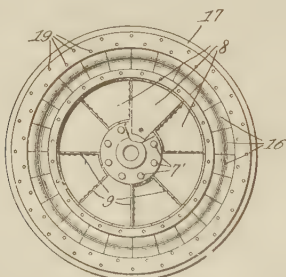
1,462,752. CARBON CATALYST. CHARLES B. JACOBS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 22, 1919. Serial No. 312,610. 7 Claims. (Cl. 23—28.)

5. A catalyst consisting essentially of finely subdivided carbon capable of becoming ignited in a current of air at a temperature substantially below 370° C.

1,462,753. DESENSITIZED EXPLOSIVE. WILLIAM HILLES WARD, Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 31, 1918. Serial No. 247,598. 5 Claims. (Cl. 52—11.)

1. A desensitized explosive composition containing a nitrated carbohydrate, an inorganic nitrate, water, and an oil.

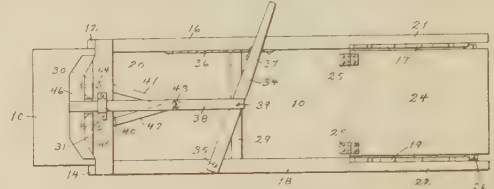
1,462,754. WHEEL. HENRY JEWETT ADAMS, Denver, Colo. Filed Apr. 27, 1921. Serial No. 464,810. 1 Claim. (Cl. 301—64.)



In a wheel construction, the combination of a sectional hub and a rim associated therewith, a body portion including a plurality of sections, each of said sec-

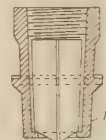
tions comprising a metallic plate, each of said plates having inwardly extended flanges formed along the side edges thereof, said flanges being disconnected from the plate throughout portions of their lengths, the ends of said flanges being bent inwardly to provide supporting surfaces, the outer ends of said plates adapted to be secured to the rim, the inwardly extended outer ends of the flanges adapted to engage the rim, the inwardly extended flanges of the inner ends of the plates adapted to rest on the hub, portions of the inner ends of the plates extending between sections of the hub, and means for securing the plates together.

1,462,755. COMBINATION ANIMAL CRATE. ABRAHAM L. ALLRED, Corydon, Iowa. Filed Apr. 18, 1922. Serial No. 554,917. 2 Claims. (Cl. 119—99.)



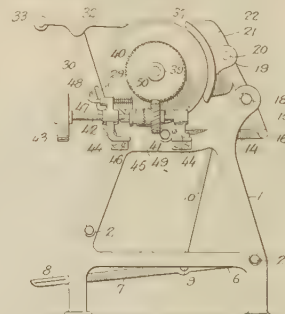
1. An animal-catching crate, comprising an enclosure, a pair of doors hinged at their outer margins at one end of the enclosure, a lever arranged for oscillation, an operating bar slidably mounted and having pivotal connections with said lever, flexible connections between said operating bar and the free marginal portions of said doors, a ratchet adapted to be engaged by said lever to permit closing movement of said doors but preventing opening movement thereof, and a cross-head fixed to the forward end of said operating bar and adapted to engage the outer faces of said doors.

1,462,756. GAS BURNER. HENRY GINGER, Hertfordshire, England. Filed Dec. 11, 1922. Serial No. 606,285. 1 Claim. (Cl. 158—9.)



A detachable nozzle for inverted gas burners fitted internally with a three wing partition extending longitudinally from the outlet end up to the usual screw threaded portion to provide three separate jets of gas and air mixture which do not reunite at the nozzle outlet, the ends of said partition being beveled, as described.

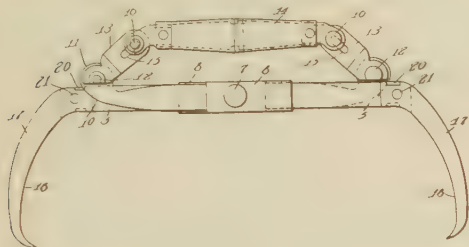
1,462,757. IRONING MACHINE. LEON GSCHWIND, Youngstown, Ohio. Filed Mar. 18, 1921. Serial No. 453,256. 3 Claims. (Cl. 68—9.)



2. In an ironing machine, the combination of a roller, driving means for the same, a clutch in the driving means, a pressing head at one side of the roller, a feed table at the other side of the roller, means operated by

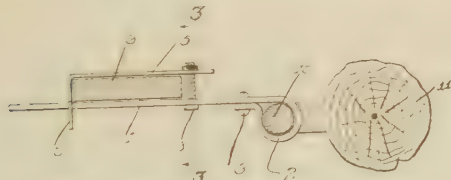
the feed table to open the clutch and raise the pressing head from the roller, and a treadle adapted to restore the pressing head and raise the feed table to cause the latter to permit the clutch to close.

1,462,758. ICE TONGS. DOUGLAS HENDERSON, Dallas, Tex. Filed Dec. 6, 1921. Serial No. 520,331. 1 Claim. (Cl. 294—106.)



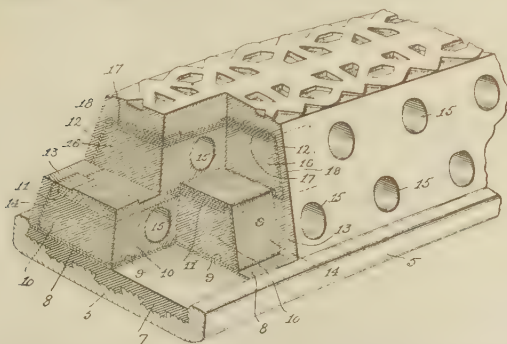
Tongs including opposed arms pivotally connected intermediate their ends, a bar supported by each arm at a point adjacent to the pivot thereof, said bars having flanges engaging the side edges of the arms to distribute the strain directed to the arms throughout the lengths thereof, each of said arms having a head, the heads being disposed towards each other, link members having connection with the heads, a handle having pivotal connection with the link members, and jaws secured to the opposite ends of the arms.

1,462,759. GATE HINGE. CHARLES W. HINKLE, Rushville, Ind. Filed May 24, 1922. Serial No. 563,362. 1 Claim. (Cl. 16—130.)



In a device of the class described, a main bar provided with suspension means; an auxiliary bar disposed approximately parallel to the main bar and supplied with an angularly disposed arm having an opening wherein the main bar is received slidably, one of the bars being provided with a plurality of openings spaced longitudinally of the said bar; and a bolt mounted in the other bar and adapted to be received in any of the last specified openings.

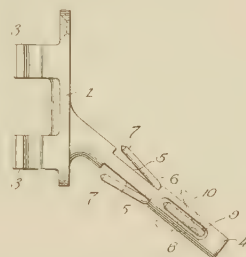
1,462,760. CUSHION TIRE. FREDERICK A. KRUSE-MARK, Roanoke, Va., assignor to K. F. & C. Tire & Rubber Corporation, Roanoke, Va., a Corporation of Virginia. Filed Dec. 13, 1920, Serial No. 430,438. Renewed Dec. 22, 1922. 8 Claims. (Cl. 152—1.)



8. In a cushion tire, a rim and a tire mass affixed thereto and having an outer series of transverse air-passages as well as an inner series of transverse air-passages.

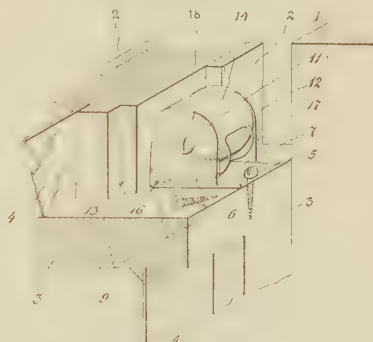
sages, the passages of the outer series being staggered with reference to the passages of the inner series, an outer series of transverse cord-fabric loops embedded in the tire, and an inner series of transverse fabric loops, the outer series of loops alternating with the passages of the outer series and the inner series of loops alternating with the inner series of passages.

1,462,761. LOCKED ANCHORAGE FOR WINDOW-CLEANERS' HARNESS. BENJAMIN KUGLER, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 619,978. 3 Claims. (Cl. 20—72.)



1. An anchorage for window cleaners' harness comprising a head and a shank, a plurality of swingable members carried by the shank, and means formed on the shank for variably limiting the relative swingability of said members for the purpose set forth.

1,462,762. WINDOW FASTENER. ANTHONY F. LAGERSTROM, Chicago, Ill. Filed Oct. 6, 1921. Serial No. 505,859. 2 Claims. (Cl. 292—194.)

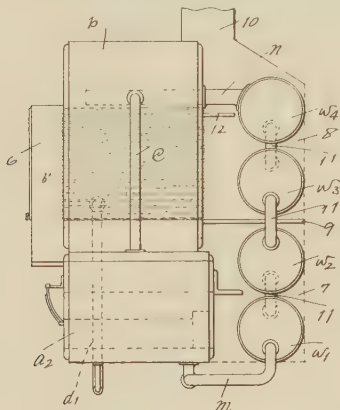


1. The combination with a pair of window sashes arranged to slide relative to one another, of a stationary shaft carried by one of said sashes, a cam roller rotatably mounted on said shaft, said cam roller being adapted, at will, to closely engage one of said sashes when either of said sashes are moved toward one another, and means for locking said cam roller in an inoperative position, said means comprising a spring member supported by said plate and adapted to yieldably grip said roller when said roller is turned back out of engagement with the sash, whereby said sashes may be moved relative to one another.

1,462,763. STEAM BOILER. WAICHI NAKAGAWA, Kitaku, Japan. Filed Nov. 29, 1918. Serial No. 264,775. 2 Claims. (Cl. 122—80.)

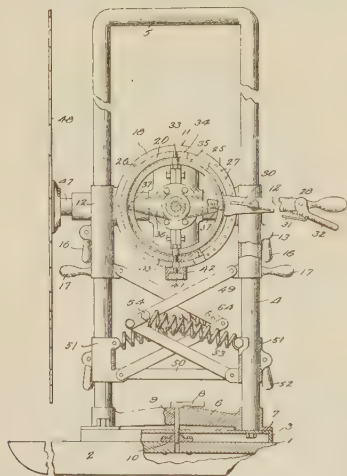
1. A steam boiler comprising two lower cylindrical elements having each a furnace, an upper cylindrical element having a nest of fire tubes, a smoke box at the front end of the said elements interconnecting the space between the three elements with the fire tube nest, a combustion chamber at the rear end of the said elements,

a partition wall in the combustion chamber dividing it into an upper and a lower compartment in such a way that the lower compartment is in communication with



the said space and the upper compartment with the rear end of the fire tube nest, drums in the two compartments interconnected in series and fluid connections between the end drums and the said elements respectively.

1,462,764. SAWING MACHINERY. AUGUST R. NYQUIST and CARL AUGUST BRANDT, Roseau, Minn. Filed Apr. 8, 1920. Serial No. 372,203. 7 Claims. (Cl. 143—43.)

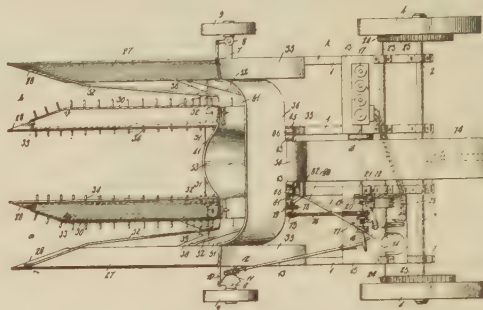


1. A sawing machine comprising a frame, a saw shaft and saw thereon, a drive shaft, a drive shaft casing, means for rotatably mounting the casing on the frame to permit movement thereof in a plane parallel with the saw shaft, means for mounting the shaft casing whereby it will pivot on an axis at right angles to the axis of the drive shaft, and means for mounting the casing for swinging movement at right angles to the last-named pivot means.

1,462,765. ENSILAGE HARVESTER. CHARLES W. H. MILLER, Lostant, Ill. Filed Mar. 14, 1921. Serial No. 451,947. 7 Claims. (Cl. 56—61.)

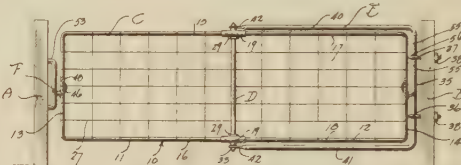
1. An ensilage harvester comprising a two-part hopper, one part of said hopper being curved intermediate its breadth, the other part of said hopper extending behind and around the ends of the first part in spaced re-

lationship thereto, and independent means for gathering crops extending to and arranged on each side of the first



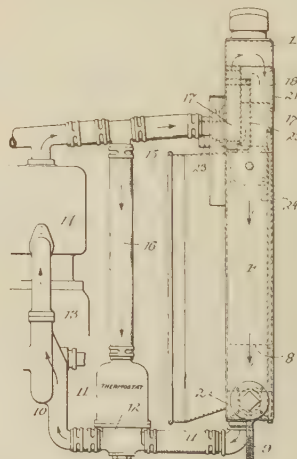
part of the hopper whereby to deliver the gathered material to the hopper through the space between said first part and said second part.

1,462,766. GATE. JOHN E. POST, Durand, Mich. Filed Jan. 24, 1921. Serial No. 439,550. 4 Claims. (Cl. 39—76.)



1. A gate, comprising in combination a pair of substantially U-shaped sections of bent bar material, sleeves connecting the free ends of said sections to form a rectangular structure, spindles projecting from said sleeve connections, and a substantially U-shaped crane support element pivoted at its free ends to said spindles, and extending over and from said first-mentioned gate sections, so as to permit complete rotation of said rectangular structure on its pivot and through said crane.

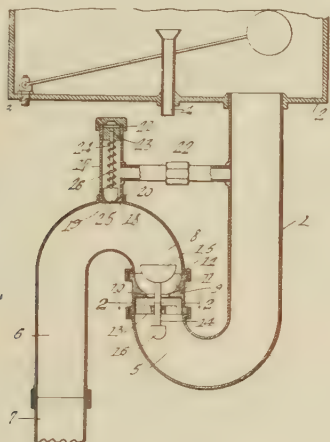
1,462,767. INTERNAL-COMBUSTION ENGINE. WILLIAM H. PUTNAM, deceased, late of Madison, Wis., by Central Wisconsin Trust Company, executor, Madison, Wis., assignor to Madison Kipp Corporation, Madison, Wis., a Corporation of Wisconsin. Filed Aug. 27, 1919. Serial No. 320,260. 5 Claims. (Cl. 123—25.)



1. In combination with an internal combustion engine; a circulatory water cooling system therefor embodying a radiator for cooling the water; means for

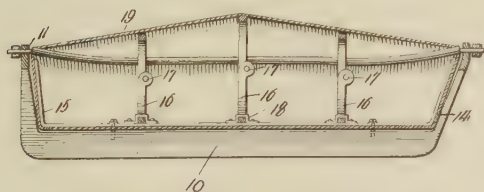
causing a subdivision of the water as it passes through the radiator; and an air intake passage leading to the charge forming device of the engine, said passage leading to and through the means for causing the subdivision of the water whereby the air will be brought into direct contact with the water and washed thereby.

- 1,462,768. ACCELERATOR FOR HOT-WATER HEATING SYSTEMS. GEORGE H. RUSSELL, Florence, Ala. Filed Aug. 14, 1920. Serial No. 403,590. 1 Claim. (Cl. 137—53.)



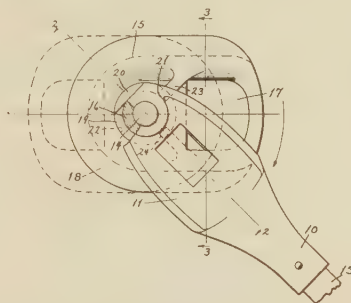
In a device of the character described, a pipe having a bend at one end, a second pipe having a bend at one end, a valve casing connecting said ends of said pipes and having a valve seat therein, a check valve seatable against said valve seat to close the passage through said casing, a valve casing attached to the bend of the second mentioned pipe and having a valve seat therein, a by-pass tube connecting the second mentioned valve casing and the first mentioned pipe to allow the water to flow through the by-pass tube past the check valve, and a spring pressed valve within the second mentioned valve casing and seatable against the valve seat thereof to normally prevent the flow of water from the second pipe through the by-pass tube.

- 1,462,769. COLLAPSIBLE BOAT. ANTONIO V. SANTARSIERO, New York, N. Y. Filed Aug. 10, 1922. Serial No. 580,981. 6 Claims. (Cl. 9—2.)



1. A boat of the class described comprising a resilient frame, a water-proof body secured thereto, foldable annular ribs mounted in said body, and a keel pivoted to the end of the resilient frame.

- 1,462,770. SLIDE TROLLEY. PAUL SCHULTZ, Des Moines, Iowa. Filed Apr. 17, 1922. Serial No. 553,686. 4 Claims. (Cl. 191—59.1.)



1. A slide trolley, comprising a harp, an elongated slide shoe mounted for oscillation therein, said shoe being adapted to contact a wire on either of its long sides, and means to limit oscillation of said shoe.

- 1,462,771. PHENOLIC CONDENSATION PRODUCT. WALTER O. SNELLING, Allentown, Pa. Filed May 18, 1920. Serial No. 382,359. 2 Claims. (Cl. 260—5.)

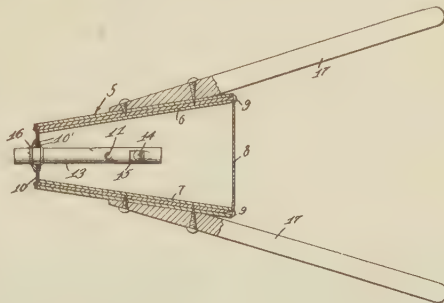
2. In the preparation of phenolic condensation products the process which comprises preparing an intermediate body from a phenolic body and hexamethylenetetramine, and preparing a second intermediate body from a phenolic body and anhydrous polymerized formaldehyde, and admixing these two intermediates in such proportions that the excess of ammonia in the first intermediate will just balance the deficiency in ammonia of the second intermediate.

- 1,462,772. ROOF COVERING. EDWARD R. SNYDER, East Orange, N. J., and CHARLES W. MORTIMER, Brooklyn, N. Y., assignors to The Barrett Company, a Corporation of New Jersey. Filed Jan. 26, 1920. Serial No. 354,044. 11 Claims. (Cl. 108—9.)



1. In the process of covering a roof, the steps which comprise laying a row of triangularly shaped pieces of roofing material side by side, with their bases parallel, laying a second row above said first row, and folding the lower part of said first row, over said second row.

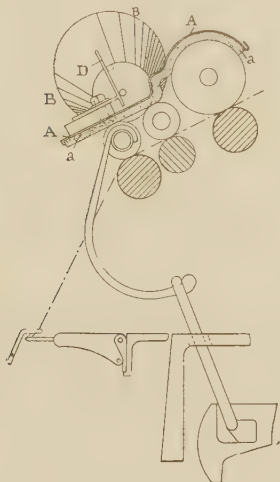
- 1,462,773. INSECT-POWDER BLOWER OF THE BELLOWS TYPE. HORACE T. SPENCER, Knoxville, Tenn. Filed Apr. 1, 1922. Serial No. 548,669. 3 Claims. (Cl. 43—147.)



2. An insect powder blower comprising a body portion, a discharge tube positioned within the body portion, said tube having openings formed in spaced relation with each

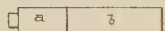
other and disposed spirally of the tube, means adjacent to the opening for directing material in a spiral path through the tube, and means for operating the bellows.

1,462,774. TOP-ROLLER CLEARER. MARK SUTTON and THOMAS WILLIAMS, Rio de Janeiro, Brazil. Filed May 6, 1922. Serial No. 558,991. 2 Claims. (Cl. 19—139.)



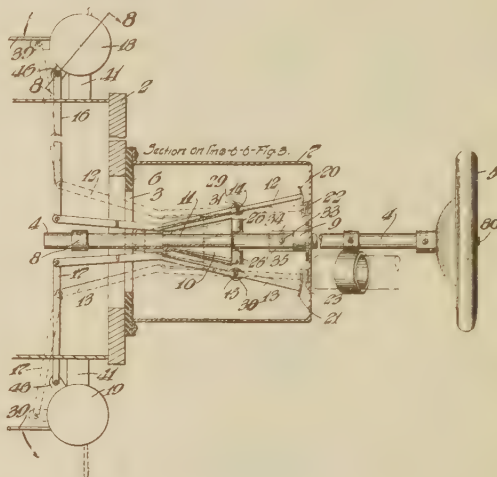
2. In a clearer for the top rollers of machines for treating and spinning fibres the combination with a conical traversing roller of an auxiliary clearer provided with an aperture in which the traversing roller is arranged and adjustable brackets for adjusting the position of the conical traversing roller.

1,462,775. PROCESS FOR THE MANUFACTURE OF NAILS FORMED IN TWO PARTS. ANGELO TRIVELONI, Milan, Italy. Filed Nov. 2, 1920. Serial No. 421,305. 1 Claim. (Cl. 10—27.)



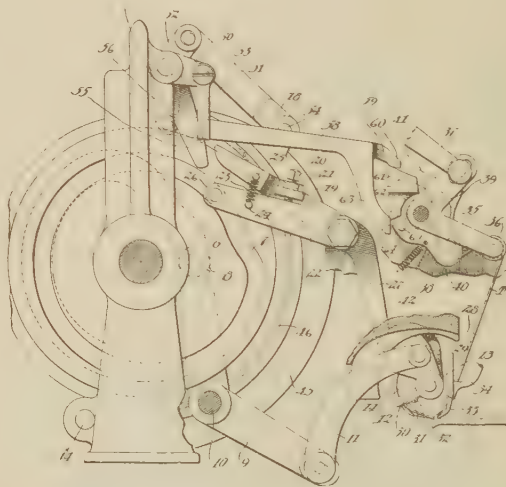
An improved process for the manufacture of nails or studs of the type in which the head of the nail or stud is of a hard metal and is welded to a shank of softer metal, said process consisting in welding together end to end two suitable bars, one of hard metal and the other of soft metal, and then forging or stamping the joined piece so as to form a head of the whole of the hard metal.

1,462,776. DEVICE FOR OPERATING AUTOMOBILE SIGNALS. ZACHARY TAYLOR UBIL, Philadelphia, Pa. Filed July 24, 1922. Serial No. 576,943. 11 Claims. (Cl. 74—39.)



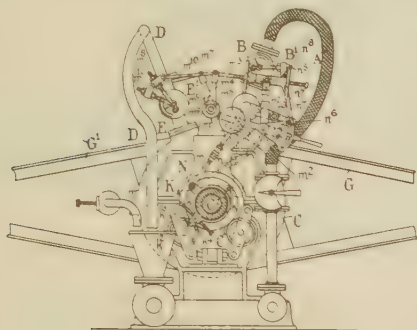
10. In a device of the character described, signalling devices, and means comprising a manually operated tapering member and coacting lever mechanism for operating them independently of each other in the same or in different directions.

1,462,777. SHOE-SEWING MACHINE. FÉLIX EMILE VALOIS, Bridgeport, Conn., assignor to Hamel Shoe Machinery Company, a Corporation of Massachusetts. Filed July 14, 1919. Serial No. 310,718. 20 Claims. (Cl. 112—35.)



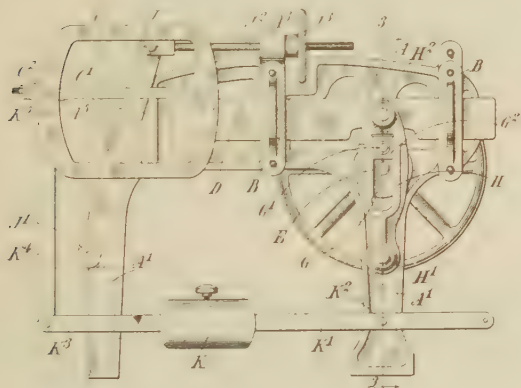
1. In a machine of the class described, in combination, sewing instrumentalities including a hooked needle and looper, mechanism for imparting to said needle a thread receiving and a thread drawing movement, and means for severing the thread adjacent the needle hook, said means including devices for insuring the operation of the thread-severing means substantially at the end of a thread drawing movement of the needle.

1,462,778. DYNAMOMETER. GEORGE HENRY WALKER, Worcester, England, assignor to Heenan & Froude, Limited, Manchester and Worcester, England. Filed Mar. 28, 1921. Serial No. 456,088. 4 Claims. (Cl. 265—24.)



1. A rotary reversing absorption dynamometer of the type referred to comprising in combination a casing divided into compartments, a load arm extending therefrom, a rotor arranged in the casing, a shaft carrying the rotor, inlet and outlet pipes from the compartments, valves arranged in said pipes, operating gears mounted on the shaft carrying the rotor and links and levers connecting the operating gears to the valves.

1,462,779. HACK-SAW MACHINE. RALPH WICKSTEED, Kettering, England. Filed Apr. 26, 1921. Serial No. 464,586. 6 Claims. (Cl. 29—73.)

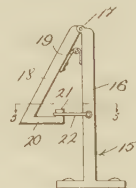


1. In a hack saw machine, the combination of a machine frame, saw frame, a flat sided arm attached to the saw frame, flat sided guide members on said machine frame opposed to the flat sides of the arm and constituting a bearing in which said arm can reciprocate, which bearing is considerably greater in depth than the width of the arm, reciprocating driving mechanism, and a horizontal pivot pin, about the longitudinal axis of which the said arm can swing operatively connecting the arm with said driving mechanism, said bearing and said pivot pin constituting the sole means for guiding said arm whereby the saw frame is free to rock vertically about the pivot pin in all positions of the driving mechanism, substantially as described.

1,462,780. LOCK. JOHN G. YANCHIK, Wilkes-Barre, Pa. Filed Oct. 11, 1920. Serial No. 416,005. 2 Claims. (Cl. 45—94.)

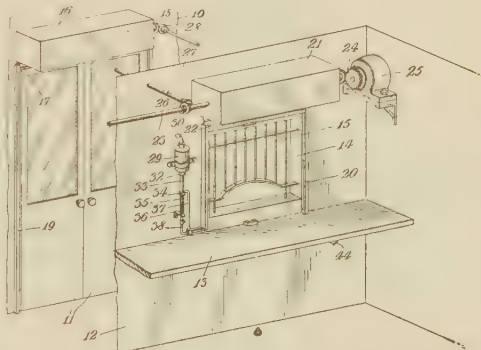
1. In a drawer and door lock, a keeper comprising an attaching and supporting body, a nose pivotally secured to the outer end of the body, spring means normally

retaining the nose spaced from the body, an inwardly extending arm formed on the free end of the nose and



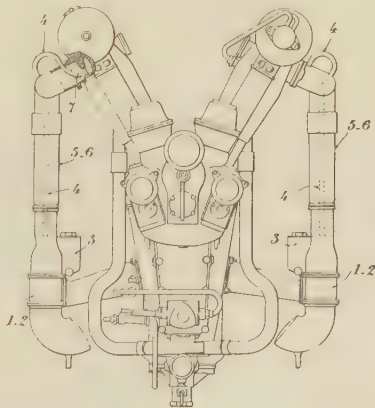
extending toward the body, an angular extension formed on the arm, and a U-shaped guide and retaining member carried by the body for receiving the angular extension.

1,462,781. CASHIER PROTECTOR. JOHN BABIARZ, New Salem, Pa. Filed June 12, 1922. Serial No. 567,854. 1 Claim. (Cl. 20—1.01.)



A device of the class described comprising the combination with a cage having a window, of a protective screen associated therewith adapted to close the window, manually controlled means for moving said screen to closed position, a gas reservoir associated with said cage, a spring actuated piston operable in said reservoir adapted to expel the gas from said reservoir, and means for releasing said piston upon the completion of the closing movement of the screen.

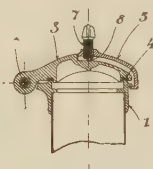
1,462,782. CARBURETOR. MARIUS JEAN BAPTISTE BARBAROU, Paris, France. Filed Nov. 1, 1921. Serial No. 512,142. 3 Claims. (Cl. 123—127.)



3. A carburetting installation for high power engines with a plurality of groups of cylinders, which comprises two main carburetors for each group of cylinders, two intake pipes connecting said main carburetors to the cylinders of said group, one slow speed carburetor for

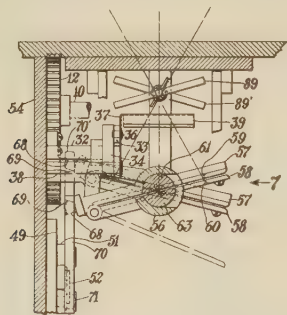
each of said groups, a slow speed pipe connecting said slow speed carburetor to both intake pipes in the same group of throttle in the slow speed carburetor, a spring which tends to close said throttle, an actuating lever secured to said throttle, means for varying the angular position of said throttle with respect to said lever, and a cam acting upon said lever and being operatively connected to the means for operating the throttles in the main carburetors, the profile of said cam being adapted to fully open said slow speed throttle for a small angle of rotation of the throttles in the main carburetors.

- 1,462,783. STOPPER FOR RESERVOIRS, RADIATORS, AND THE LIKE. MARIUS JEAN BAPTISTE BARBAROU, Paris, France. Filed Apr. 28, 1921. Serial No. 465,279. 4 Claims. (Cl. 220—32.)



1. A stopper for reservoirs, radiators, etc., comprising a pivoted cover adapted to have a tight fit upon the orifice to be closed, a fixed part, a cap pivoted to said fixed part, a flange on said cap adapted to come into engagement with said fixed part and a set screw on the cap adapted to tighten the cover in position.

- 1,462,784. MOTION-PICTURE DEVICE. GEORGE W. BINGHAM, Newark, N. J., assignor to Widescope Camera Co., Newark, N. J., a Corporation of New Jersey. Filed Feb. 11, 1921. Serial No. 444,101. 8 Claims. (Cl. 88—16.6.)

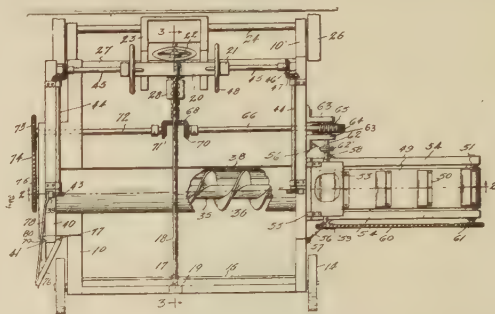


8. In a motion picture device, in combination, a plurality of lenses in angular position with respect to each other; a movable film frame for each lens; means for moving the film frames into the same plane with respect to each other; means for passing a film through the frames when in the same plane with respect to each other; and means for moving the frames parallel to their respective lenses, bringing the film within each frame perpendicular to the optical axis of its lens.

- 1,462,785. LOADING AND GRADING DEVICE. JOHN R. CANON, Austin, Tex. Filed Nov. 7, 1921. Serial No. 513,300. 5 Claims. (Cl. 37—108.)

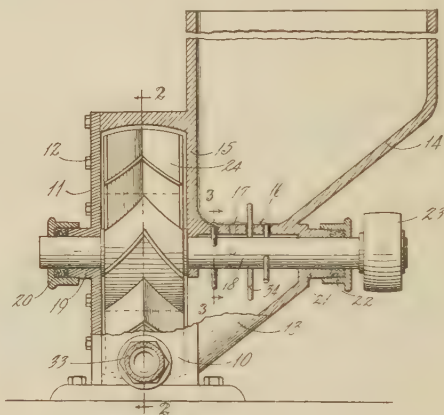
1. In a loading and grading machine, a rectangular frame, ground wheels on each side at the front and rear of said frame, hanger members at each side of the frame, means on the frame for vertically adjusting the hanger members, a transverse scoop extending under the

frame and having its ends secured to the hanger members, a screw conveyor mounted in the scoop and hav-



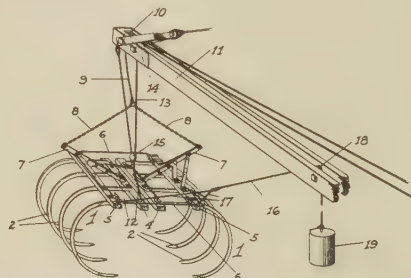
ing its ends supported in the hangers, and an elevator mounted on one side of the frame outwardly of the hanger thereat.

- 1,462,786. SAND-BLAST MACHINE. DAVID P. CLEVELAND, Dallas, Tex., assignor of one-half to J. A. Bergfeld, Dallas, Tex. Filed Mar. 20, 1922. Serial No. 545,008. 3 Claims. (Cl. 51—8.)



1. In a sand blast machine, a hopper, a turbine, a housing enclosing the turbine, said housing having means for admitting a fluid under pressure for driving said turbine, means co-operating with said turbine for agitating the sand in the hopper and causing the same to precipitate into said housing, and means for discharging said fluid and sand from said housing.

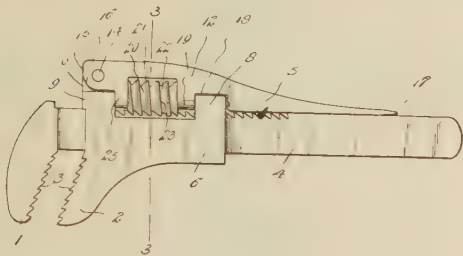
- 1,462,787. AGRICULTURAL FORK. JOHN DEGENDORFER, San Francisco, Calif. Filed Dec. 19, 1921. Serial No. 523,565. 5 Claims. (Cl. 294—107.)



1. An agricultural fork comprising a pair of opposed and co-operating jaw members, means holding said members in spaced relation while connecting them in a

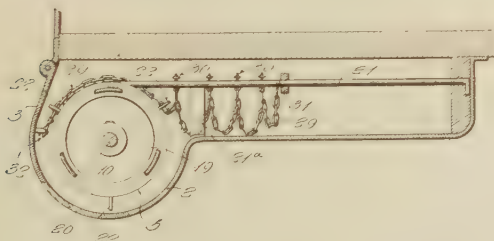
manner to permit of their swinging relative to each other for open and closing movement, and cable means connected to said members for imparting such movement thereto.

1,462,788. WRENCH. FRANK J. DORSCH, Winona, Minn. Filed May 25, 1922. Serial No. 563,490. 1 Claim. (Cl. 81—157.)



In a wrench, the combination of a shank having a fixed jaw projecting laterally from the end thereof, a shiftable jaw member slidable on said shank, a toothed rack in the edge of said shank opposite said fixed jaw and formed of beveled teeth having one straight side and one inclined side, an elongated lever pivoted at one end to said shiftable jaw member and extending along the edge of said shank opposite said fixed jaw, the other end of said lever being tapered to permit ready engagement of the same so as to facilitate swinging of the lever away from the shank, an adjusting worm rotatably mounted on said lever, the rear faces of the teeth on said worm being substantially parallel to a line drawn radially to the pivotal center of said worm, the front faces of said teeth being beveled, and stop means between said shiftable jaw member and said lever for limiting the outward pivotal motion of said lever to a position at right angles to the shank.

1,462,789. TIRE-CHAIN CARRIER. JOHN J. EYRE, Somerville, Mass. Filed Apr. 21, 1921. Serial No. 463,139. 15 Claims. (Cl. 152—14.)

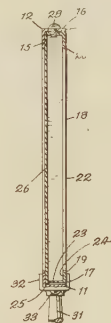


1. A tire chain carrier comprising a casing adapted to be mounted on a vehicle, said casing having a door, and spring operated means in said casing to engage an ordinary tire chain and move it into the casing and exert a continual inward pull on the same, said door having means to which the end of the tire chain may be attached, whereby the pull of the chain on the door will hold said door closed.

1,462,790. SIGN HOLDER. WILLIAM B. FINK, New York, N. Y. Filed May 19, 1922. Serial No. 562,133. 2 Claims. (Cl. 40—152.)

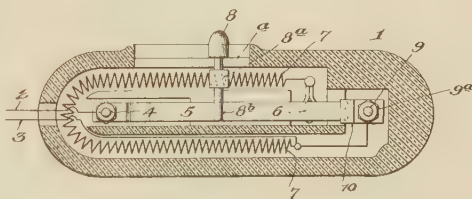
1. A sign holder, comprising an outer frame element of substantially an L-shape in cross section, an inner frame element also of substantially an L-shape in cross

section, the inner frame element being disposed within the outer frame element so that two corresponding flanges of the elements are in spaced relation, while the other two corresponding flanges of the elements are in lapping arrangement and the free edge of the lapping



flange of the inner frame element being spaced from the elbow of the outer frame element to provide a groove therebetween, means detachably fastening the lapping flange members together, a standard, and means removably mounting the frame elements to the standard.

1,462,791. AUTOMOBILE-LIGHT-DIMMER SWITCH. ALPHEUS D. GASTON, Austin, Tex. Filed Apr. 30, 1923. Serial No. 635,645. 3 Claims. (Cl. 219—48.)

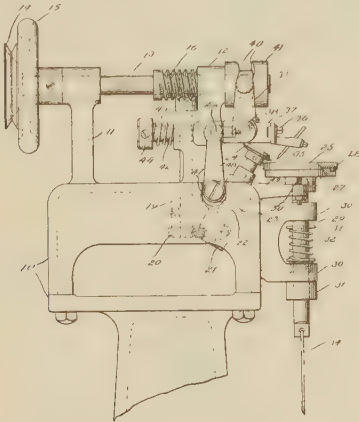


1. In an automobile headlight dimmer, a casing, a pair of spaced contact posts in the casing, a movable contact arm secured at one end to one post, a contact finger connected to the other post for engagement with the opposite end of the contact arm, a substantially U-shaped resistance coil in the casing and disposed to have its sides extend on opposite sides of said contact arm, a finger engaging knob having a stem slidable in the casing, a contact carried by the stem and wiping engaged with a side of the resistance coil, the inner end of the stem being slidably engaged with the contact arm, a contact post electrically connected to one end of the resistance coil and engageable with the contact arm, and means to operate the contact arm into engagement with the last named contact post, the opposite end of the resistance coil being electrically connected to the contact post having said contact finger connected thereto.

1,462,792. RIB TIGHTENER FOR GEM INNERSOLES. THOMAS F. HART, Lynn, Mass., assignor to Hamel Shoe Machinery Company, Lynn, Mass., a Corporation of Massachusetts. Filed May 19, 1917. Serial No. 169,674. 13 Claims. (Cl. 12—20.)

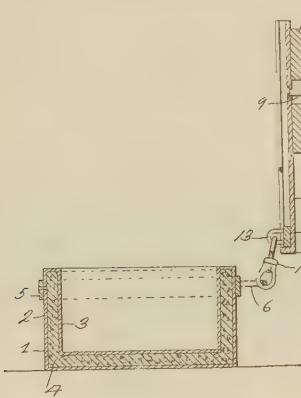
1. A machine of the class described having, in combination, a work support mounted for free rotation about a substantially vertical axis, a feed wheel providing a peripheral work-engaging surface substantially parallel

to the surface of said work support and spaced therefrom, means for imparting rotary movement to said



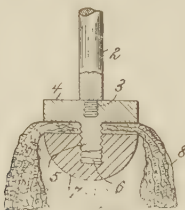
feed wheel, a tamping tool supported for movement in a plane substantially perpendicular to said support, and means for vibrating said tool in said plane.

1,462,793. HOG TROUGH. WALTER R. HEMELSTRAND, Edison, Nebr. Filed Mar. 13, 1923. Serial No. 624,804. 3 Claims. (Cl. 119—61.)



3. The combination with a hog trough, a support, means for attaching the trough to the support, said means comprising a vertically disposed channelled member, means for attaching the channelled member to the support, a block slidably mounted in the channelled member, means for limiting the downward movement of the block, an eye carried by the block, a band extending around the trough adjacent its upper end, an eye carried by said band and a swivel connecting member connecting the eye of the band and the eye of the block.

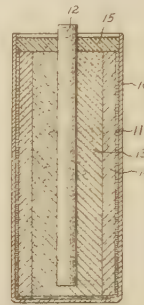
1,462,794. MOP HOLDER. HELEN KUMPUNEN, Rye, N. Y. Filed Feb. 11, 1920. Serial No. 357,868. 1 Claim. (Cl. 15—228.)



In a device of the character described, a mop head comprising a flat wooden disk having a screw threaded centrally arranged aperture in one side thereof, and a

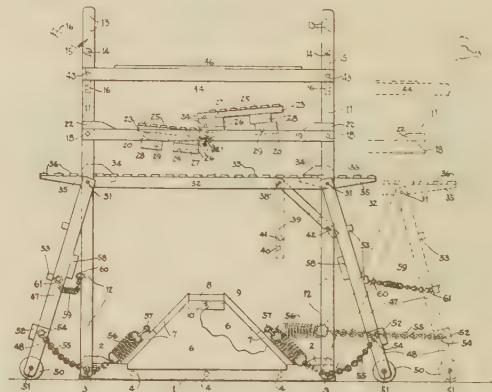
screw threaded integral stem extending from the other side thereof, a semispherical rubber butt having a screw threaded aperture to receive the said screw threaded stem of the said disk and a wooden handle provided with an integral screw threaded stud threaded into the disk, and mop material removably and adjustably secured between the under flat side of the wooden disk and the flat upper side of the rubber butt.

1,462,795. ELECTRIC BATTERY. WILLIAM R. LOVE-MAN, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 5, 1921, Serial No. 435,135. Renewed Dec. 6, 1922. 10 Claims. (Cl. 204—38.)



1. An electric battery comprising a negative electrode consisting of a zinc shell, a positive electrode therein and two separate portions of depolarizing agent having different depolarizing value.

1,462,796. SWING. JOHN L. MARTIN, Buffalo, N. Y. Filed Aug. 12, 1921. Serial No. 491,838. 8 Claims. (Cl. 155—65.)



2. In a non-suspension or vaulting swing, a supporting structure, a plurality of combination legs and levers connected transversely in pairs and fulcrumed to rock on the supporting structure, a carrier hung to swing on the combination legs and levers intermediate to their terminals parallel with the supporting structure, anti-gravity springs mounted and interposed in such manner that the oscillation of the carrier may be limited in amplitude, and hinge or pivot connections between the carrier and the combination legs and levers whereby moving and lifting power may be applied to said levers to swing the carrier to and fro in a vaulting curve and in unstable equilibrium as set forth.

1,462,797. THERMOMETER. HERBERT P. MILKER and ALFRED ROESCH, Brooklyn, N. Y., assignors to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 6, 1919. Serial No. 336,101. 3 Claims. (Cl. 73—52.)



1. A thermometer comprising a back provided with at least one hole and having a scale thereon, a tube on said back, a screw-threaded stud in said hole, a band extending about said tube and projecting into said hole and connected with said stud, and a nut on said stud whereby said band is drawn into conformity with the top and side surfaces of said tube unrestrained by any portion of said back and the tube is clamped on said back against movement relatively to said scale.

1,462,798. SHANK STIFFENER. WILLIAM H. NICKERSON, Brookline, Mass. Filed Jan. 21, 1922, Serial No. 530,876. Renewed May 21, 1923. 2 Claims. (Cl. 36—76.)

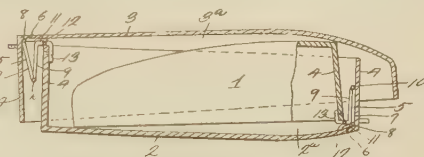


1. For use in a shoe which includes an outer sole having an approximately V-shaped ridge defining the salient rear end of the tread portion and the forward end of the shank portion of the sole, a wedge piece bearing on the inner surface of the outer sole, and having a salient thickened edge conforming to a portion of said ridge, and an inner sole conforming to the inner side of said wedge piece; a molded sheet metal shank stiffener, shaped at its forward end portion to bear on the inner side of the thickened rear portion of the wedge piece, and having a recess in its forward edge conforming approximately to the salient edge of the wedge piece, the stiffener having a longitudinal ridge between its front and rear end portions, adapted to support a longitudinal ridge on the under surface of the shank portion of the outer sole, said recess imparting transverse flexibility to the forward end portion of the stiffener.

1,462,799. LUBRICANT. JAMES A. BURTON, Brooklyn, N. Y. Filed May 25, 1922. Serial No. 563,684. 1 Claim. (Cl. 87—9.)

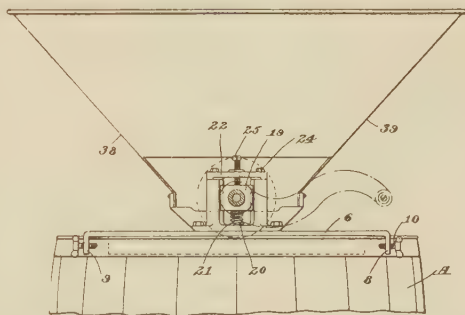
A lubricant for leaf springs and the like comprising: 3 quarts of crude petroleum, 18 ounces of kerosene, 6 ounces of comminuted graphite, 7 ounces of ethyl ether, 3 drachms of amyl acetate, 3 drachms of ethyl acetate, 2 drachms of ethyl butyrate, 5 minims of oil of cassia.

1,462,800. FOLDABLE BOAT. JULIUS N. CLEMMER, Omaha, Nebr. Filed Feb. 20, 1923. Serial No. 620,177. 1 Claim. (Cl. 9—2.)



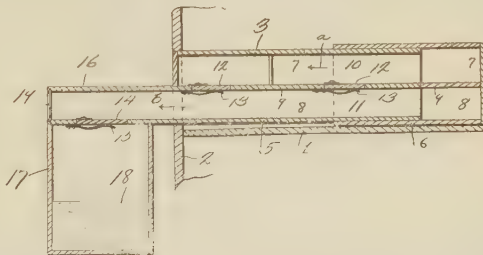
A boat comprising a bow section, a midship section and a stern section, said sections having their adjacent ends provided with transversely disposed walls adapted to engage each other, hinges pivotally connected in the bottoms of the midship section and the stern section, said hinges extending upwardly and terminating in angularly disposed portions hingedly connected to brackets carried by the midship section and the bow section and hinged at a point above the walls, the upwardly extending hinges being formed from hingedly connected sections hingedly connected intermediate the ends of the hinges, and apertured lugs carried by the adjacent ends of the sections and adapted to overlie each other when the sections are in extending portion and receive securing means.

1,462,801. FRUIT CRUSHER. PETER C. DE LUCA and MATTHEW L. INSOONA, Dorchester, Mass., assignors to Corona Machine Company, Malden, Mass., a Corporation of Massachusetts. Filed June 25, 1921, Serial No. 480,341. Renewed May 7, 1923. 13 Claims. (Cl. 146—184.)



7. A portable crusher comprising a hopper having a discharge opening, a series of crusher fingers projecting from opposite sides of said opening, and a crusher roll having teeth cooperating with said fingers, said roll being adjustable relative to said fingers.

1,462,802. RAT TRAP. EDWARD DUDLEY CLARK, Achille, Okla. Filed Mar. 27, 1923. Serial No. 628,068. 2 Claims. (Cl. 43—67.)

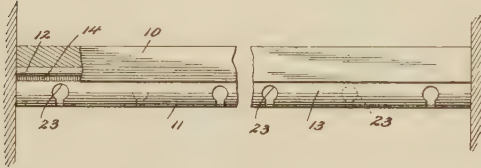


2. A rat trap for use in connection with buildings, said trap comprising telescopically engaged sections, said sections being divided into upper and lower compartments by a horizontally disposed partition, trap doors in said partition, entrances in the sections in registration with the upper compartment, the lower compartment

terminating outside of the building and having its end screened, a trap door in the lower compartment adjacent the screened end thereof and a water receiving receptacle below said last named trap door and located outside of the building.

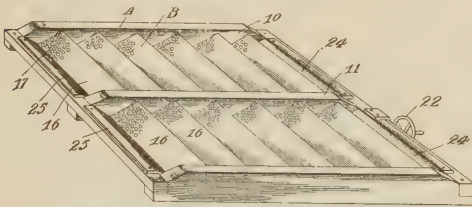
1,462,803. COMBINED SHELF AND HANGER RACK.

ALEXANDER S. DESERTY, New York, N. Y., assignor to Alexander Aderer, New York, N. Y. Filed Oct. 11, 1922. Serial No. 593,714. 2 Claims. (Cl. 211—14.)



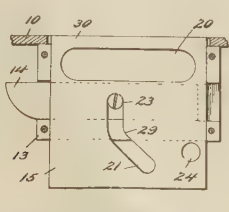
1. In a unit for use in clothes closets, showcases or the like, a shelf member having in its lower face a groove with a restricted mouth, and a hanger-supporting element in strip form, comprising a tubular section having in its side keyhole slots for the insertion and retention of headed stems of clothes hangers, said supporting element having a portion conforming in shape to said groove in said shelf member and lying therein throughout its length, whereby the supporting element is mounted and braced in close proximity to the lower face of said shelf member.

1,462,804. SIEVE. EDWARD JAMES EVANS, Briercrest, Saskatchewan, Canada. Filed Apr. 18, 1922. Serial No. 554,942. 4 Claims. (Cl. 130—19.)



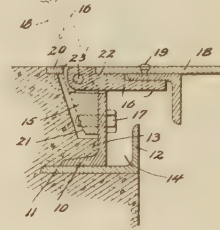
1. A sieve comprising a frame, spaced apart spindles in said frame, supporting plates having angularly bent portions, perforations in said plates and said angular portions substantially perpendicular to their surfaces for preventing eddies collecting between the perforations, and means connected to said plates for actuating the same.

1,462,805. LOCK. OLIVER E. GIBSON, Mechanicsburg, Pa., assignor to Potts Manufacturing Company, Mechanicsburg, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,526. 7 Claims. (Cl. 292—140.)



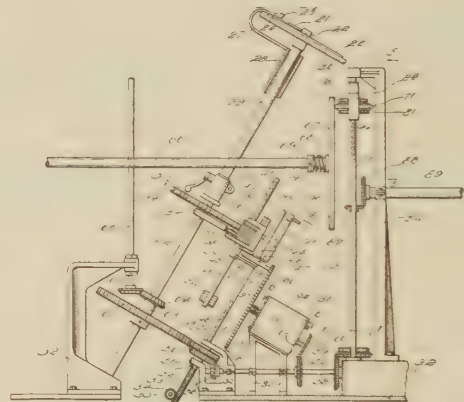
1. In combination with a closure having an opening therein, of a lock casing secured to one face thereof, a bolt in said casing, and an operating member for said bolt adapted to be reversed in its position relative to said bolt and casing to enable it to be grasped from either face of the closure, providing either an inside or an outside lock for said closure.

1,462,806. DOOR. OLIVER E. GIBSON, Mechanicsburg, Pa., assignor to Potts Manufacturing Company, Mechanicsburg, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,527. 12 Claims. (Cl. 94—34.)



1. In a door comprising a swinging closure leaf, a reinforcement for the edge of said leaf comprising a lock casing having projecting lugs at its sides, bracing elements extending from said casing to the ends of the leaf, and means for rigidly connecting said bracing elements to said lock casing and to said leaf.

1,462,807. SPEED-CONTROLLING MECHANISM. CHARLES H. GILL, Chicago, Ill. Filed Mar. 28, 1921. Serial No. 456,195. Renewed June 8, 1923. Serial No. 585,073. 29 Claims. (Cl. 74—97.)

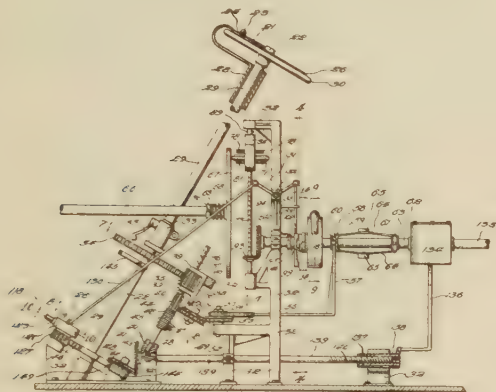


1. In speed controlling mechanism, the combination of a motor driven shaft, a threaded member driven by said shaft, a member rotatable at constant speed, a threaded element driven by said member rotatable at constant speed and engaging with the said threaded member, a motive power supply governing member adapted to regulate the supply of fuel or power to the motor driving the said motor driven shaft, and means controlled by differences in the respective rotary speeds of the said threaded member and the said threaded element for automatically regulating the said motive power supply governing member to maintain the said motor driven shaft at a given ratio of speed to the speed of the said member rotatable at constant speed.

1,462,808. MACHINE-CONTROL MECHANISM. CHARLES H. GILL, Chicago, Ill. Filed Mar. 21, 1921. Serial No. 454,200. Renewed June 8, 1923. Serial No. 552,596. 19 Claims. (Cl. 74—97.)

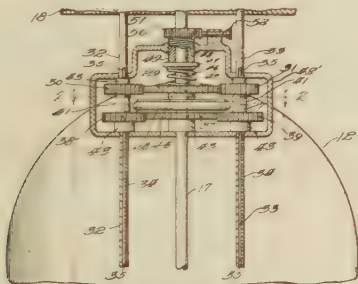
1. In machine control mechanism, the combination of a driven shaft, a driving shaft, automatic means for varying the ratio of the rotary speed of the said driven shaft to the rotary speed of the said driving shaft in inverse proportion to the degree of resistance offered to

the rotation of the said driven shaft, automatic means for varying the rotary speed of the said driving shaft in such manner as to maintain a given rate of rotary speed of the said driven shaft throughout all variations in the ratio of the rotary speed of the said driven shaft



to the rotary speed of the said driving shaft, a control lever adapted to be positioned at the will of the operator, and means controlled by the position of the said control lever for changing the said given rate of rotary speed of the said driven shaft.

1,462,809. SELF-ADJUSTING-TRANSMISSION MECHANISM. CHARLES H. GILL, Chicago, Ill. Original application filed Dec. 29, 1920. Serial No. 433,930. Divided and this application filed July 7, 1921, Serial No. 483,106. Renewed Apr. 14, 1922. Serial No. 552,597. 30 Claims. (Cl. 74-26.)

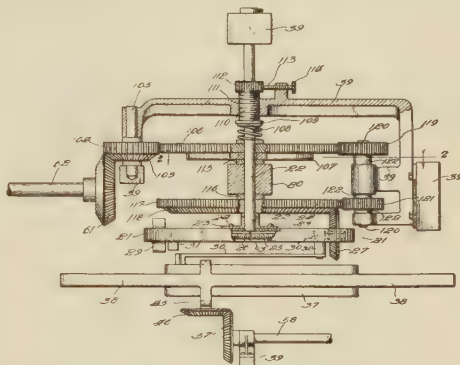


1. In self adjusting transmission mechanism, the combination of a friction driving disk, a friction wheel driven by said friction driving disk, a driven shaft, a member rotatable with said driven shaft, means for yieldably engaging the said member and the said friction wheel, and means controlled by the degree of yield of the said member and the said friction wheel in their engagement with each other for varying the ratio of the rotary speed of the said driven shaft to the rotary speed of the said friction driving disk inversely to variations in the degree of resistance offered to the rotation of the said driven shaft.

1,462,810. AUTOMATIC CRANK TRANSMISSION MECHANISM. CHARLES H. GILL, Chicago, Ill. Original application filed Jan. 17, 1921, Serial No. 437,801. Divided and this application filed Apr. 4, 1921, Serial No. 458,638. Renewed Aug. 10, 1922. Serial No. 585,074. 14 Claims. (Cl. 74-38.)

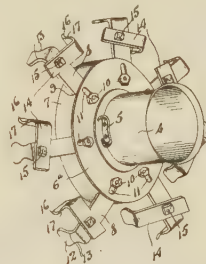
1. In automatic crank transmission mechanism, the combination of a driving shaft, a driven shaft, a rotatable member carried by said driven shaft, a friction element secured upon said driven shaft, a radially movable wrist pin carried by said rotatable member, a friction member

rotatable by said driving shaft and frictionally engaging the said friction element, and means controlled by the slippage of the said friction member and the said friction



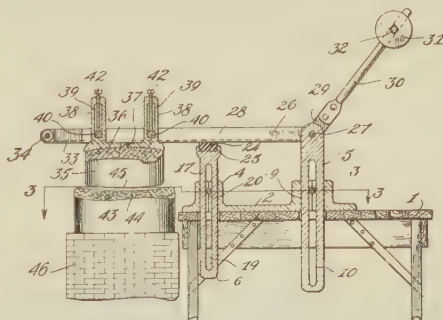
element in their engagement with each other for automatically varying the position of the said wrist pin with respect to the axis of the said rotatable member.

1,462,811. EMERGENCY DRUM FOR AUTOMOBILES. CHARLES J. JOHNSON, Canton, Ohio. Filed Apr. 18, 1922. Serial No. 555,168. 2 Claims. (Cl. 242-95.)



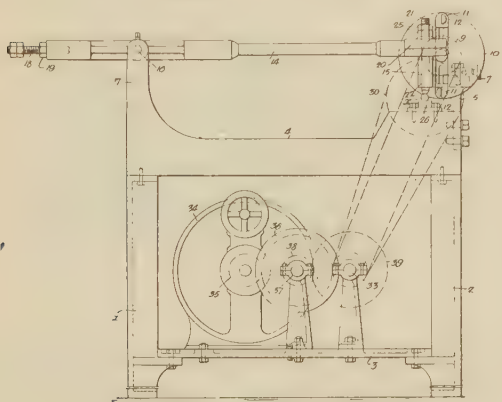
2. An attachment for driving wheels of motor vehicles including a cable winding drum, radially extending arms upon the drum, an inturned end upon each arm for engagement with the adjacent spoke of the driving-wheel and a clamping finger upon each arm for engagement with the next adjacent spoke.

1,462,812. BATTER. FRANK M. KINNARD, Sebring, Ohio, assignor of one-half to Charles L. Sebring, Sebring, Ohio. Filed Aug. 4, 1920, Serial No. 401,164. Renewed June 11, 1923. 3 Claims. (Cl. 25-27.)



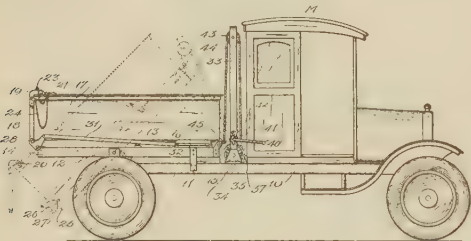
1. In combination with a stationary block, a lever pivoted at one side of the block, a batter mounted upon the lever and arranged to be brought into forceful contact with a ball of clay placed upon the block to produce a bat, a bumper arranged to be engaged by the lever to limit the downward movement thereof and a counter weight arranged to normally hold the lever in the raised position.

1,462,813. IMPACT-TESTING MACHINE. DUNLAP J. MCADAM, Jr., Annapolis, Md., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 7, 1919. Serial No. 336,413. 8 Claims. (Cl. 265—15.)



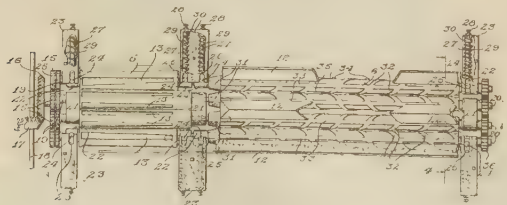
1. The combination in an impact testing machine of means for supporting a test specimen; a hammer; a rotary member; a tappet on said member positioned to raise and thereafter release the hammer to permit it to fall upon a test specimen; means for adjusting the tappet to vary the drop of the hammer; with means for adjusting the position of the rotary member to regulate the point of release of the hammer.

1,462,814. DUMP BODY. ANDREW B. MCKINLEY, Louisville, Ky., assignor to Continental Car Company of America, a Corporation of Kentucky. Filed June 7, 1922. Serial No. 560,592. 2 Claims. (Cl. 296—51.)



1. In a vehicle, a body, a tail gate for said body, pivotal and releasable means for securing the upper part of the tail gate to the upper part of the body, and latches each comprising a single hook element arranged to constitute means for pivotally connecting the lower part of the tail gate to the body and for holding the same releasably against outwardly swinging movement.

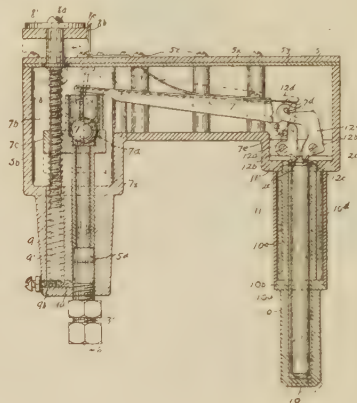
1,462,815. ROLLS FOR CORN-HUSKING MACHINES. THEODORE H. OPPENHEIM and BERNARD SELHORST, Coldwater, Ohio, assignors to The New Idea Spreader Co., Coldwater, Ohio, a Corporation of Ohio. Filed Aug. 1, 1922. Serial No. 579,049. 6 Claims. (Cl. 130—5.)



1. In a corn-husking machine, a pair of husking rolls each provided upon its circumferential surface with a spiral rib and longitudinal breaker bars, the breaker bars

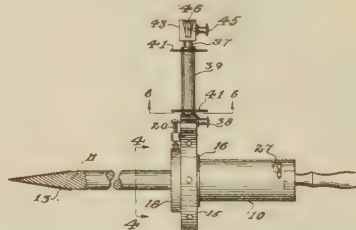
connecting the successive convolutions of the spiral rib and the ribs on mating rolls being reversed relative to each other and so arranged as to have their circumferential surfaces constantly in contact in the bight of the rolls, the opposed breaker bars meeting in the bight of the rolls.

1,462,816. GAS GOVERNOR FOR TYPESETTING MACHINES. HOWARD W. PARTLOW, Utica, N. Y. Filed May 21, 1921. Serial No. 471,518. 12 Claims. (Cl. 236—102.)



9. A thermostatic governor comprising a body, heater-controlling means, and means for controlling the first means and including a lever pivotally mounted on the body, a thermostatic element extending from the body laterally of the plane of movement of the lever, and a movement-increasing leverage connecting the element to the lever.

1,462,817. SHOCK COMPRESSING AND BINDING DEVICE. JOHN F. PATTERSON, Merchantville, N. J. Filed July 11, 1922. Serial No. 574,226. 4 Claims. (Cl. 100—31.)



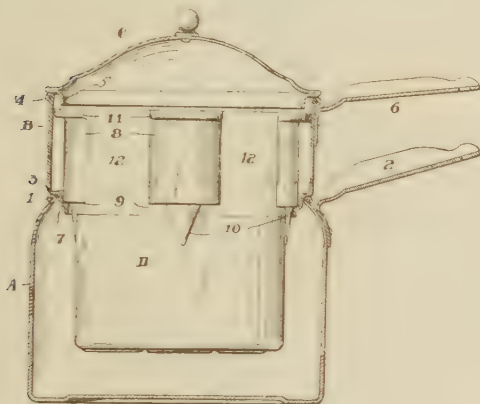
1. A binding device including a spear having means providing a drum; a member rotatably mounted on said spear; a cord cooperating with said drum and said member to provide binding means; and an adjustable friction brake carried by said member and arranged to bear directly upon means connected to said spear to prevent movement between said spear and said member.

4. A binding device comprising a spear having means providing a drum; a collar secured on said spear and spaced from said drum; a member rotatably mounted between said collar and said drum; and a set screw mounted on said member and having friction means adapted to engage said collar.

1,462,818. COOKING UTENSIL. JOSEPH AUDLEY PIERCE, Dravosburg Borough, Pa. Filed Jan. 12, 1923. Serial No. 612,188. 5 Claims. (Cl. 53—1.)

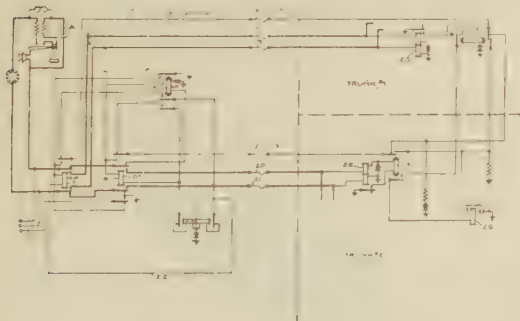
1. A steam cooker comprising an outer vessel adapted to contain water for the generation of steam, a steam ring provided with an exterior annular shoulder adapted to fit down on the top of said outer vessel with the

lower portion of said steam ring depending into said outer vessel and holding the steam ring against lateral displacement, said lower portion of the steam ring being provided with an internal annular shoulder having a substantially horizontal supporting portion, an inner vessel adapted to be supported within the outer vessel,



a plurality of spaced shoulders on the exterior of said inner vessel, said shoulders being intermediate of the vertical extent of said inner vessel and being arranged in annular series around the same, and said shoulders resting upon the supporting portion of the internal annular shoulder of the steam ring, and a lid for the top of said steam ring.

1,462,819. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 31, 1920. Serial No. 407,173. 12 Claims. (Cl. 179—18.)

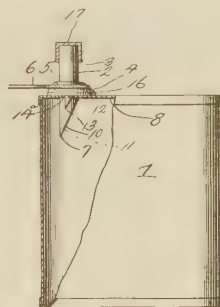


1. In a telephone system, a subscriber's line, a plurality of trunks arranged in groups, an automatic non-numerical switch for the use of said line, means for causing said switch to simultaneously test a trunk in each group, means for preventing the seizure by said switch of more than one of the trunks which are being simultaneously tested, and releasing means for said switch.

1,462,820. CAN SPOUT. CLYDE KYRLE RABER, Newcastle, Ind. Filed Dec. 14, 1922. Serial No. 606,863. 2 Claims. (Cl. 221—23.)

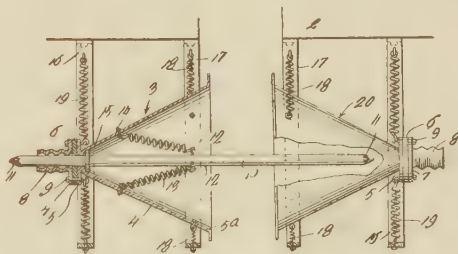
1. The combination with the wall of a can, of a removable spout therefor, said spout comprising a hollow cylindrical member having its ends open, one end of the hollow cylindrical member being cutaway at an angle, thereby forming inclined cutting edges adapted to form a hole

in the can wall when forced therethrough, an annular flange carried by the cylindrical member, piercing lugs carried by the flange at opposite sides of the cylindrical



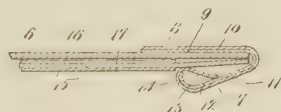
member and provided with notches for the reception of the end walls of apertures formed by the members upon a partial rotation of the cylindrical member.

1,462,821. AUTOMATIC AIR-HOSE COUPLER. SAMUEL J. W. RADER, Alfalfa County, Okla. Filed Sept. 25, 1919. Serial No. 326,260. 2 Claims. (Cl. 285—58.)



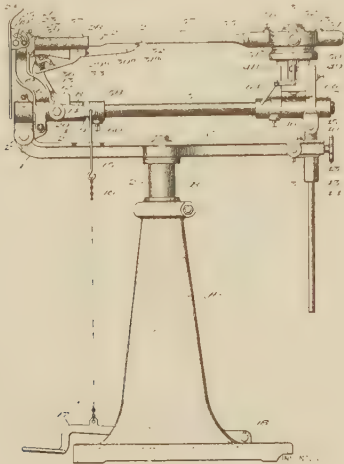
1. An air hose coupler comprising a pair of cone-shaped shells adapted for abutment, means for connecting a hose to the apex of each shell, brackets surrounding the shells in spaced relation thereto, radiating coiled springs connected to each shell and its respective bracket for resiliently suspending the shell, and a tubular shaft resiliently mounted in one of said shells and adapted to extend therethrough and through the other shell when the cars are in coupled relation.

1,462,822. INDEX DEVICE. JAMES H. RAND, North Tonawanda, N. Y. Filed May 26, 1921. Serial No. 472,726. 8 Claims. (Cl. 40—64.)



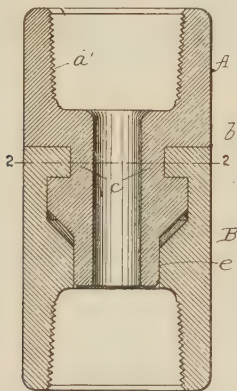
4. An index device having a back, and a marginal flange attached to the back comprising two independent leaves of flexible, resilient, sheet material, the free margin of the outer leaf being folded around the free edge of the inner leaf.

1,462,823. FOREPART-TURNING MACHINE. FRED A. REARDON, Bradford, Mass., assignor to Hamel Shoe Machinery Company, a Corporation of Massachusetts. Filed Apr. 9, 1919. Serial No. 288,706. 23 Claims. (Cl. 12—57.)



11. A shoe turning machine having, in combination, members including a turning implement and a form, means for adjusting the angle to the horizontal of said members, a body abutment, and means whereby it may be adjusted angularly with relation to said members.

1,462,824. COUPLING OR TOOL JOINT. CLARENCE E. REED and MAX CZEFTCZICK, Houston, Tex.; said Czefczick assignor to said Reed. Filed Oct. 29, 1919. Serial No. 334,273. 3 Claims. (Cl. 285—175.)

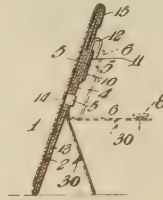


2. In combination, a socket member having an inwardly extending flange at its top with gate-ways, a second member having a projection with laterally extending lugs to pass through said gate-ways and to be turned under said flange, and a pin carried by the second member to drop into one of the gate-ways when the two members have assumed a certain relation to each other, substantially as described.

1,462,825. ADJUSTABLE PRICE MARKER. WILLIAM A. RINGLER, Philadelphia, Pa., assignor of one-half to Henry C. Yelser, Cincinnati, Ohio. Filed Sept. 22, 1922. Serial No. 589,740. 11 Claims. (Cl. 40—63.)

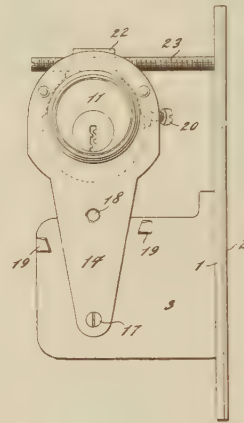
1. A price marker, comprising a frame having a body portion with forwardly extending flanges at the sides and

having a flexible back, a transparent cover secured at one end to said body portion and having means to engage



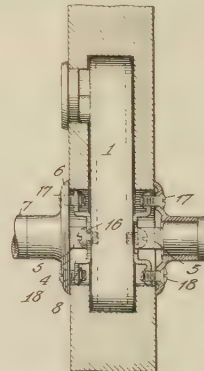
the upper edge of said body portion, and price markers between said transparent cover and body portion.

1,462,826. LOCK. OSCAR C. RIXSON, New Rochelle, N. Y., assignor to The Oscar C. Rixson Co., a Corporation of Illinois. Filed June 23, 1921. Serial No. 479,729. 13 Claims. (Cl. 70—46.)



1. A lock comprising, in combination, a lock case, a face plate carried thereby, a lock operating mechanism pivoted to the lock case and adjustable toward and from the face plate and operative in all positions upon the lock.

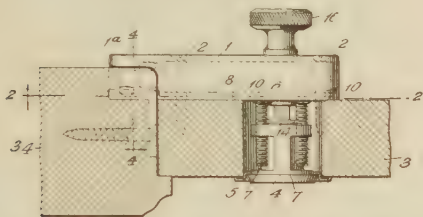
1,462,827. LOCK. OSCAR C. RIXSON, New Rochelle, N. Y., assignor to The Oscar C. Rixson Co., a Corporation of Illinois. Filed Feb. 21, 1922. Serial No. 538,181. 9 Claims. (Cl. 292—348.)



1. A lock construction for doors having a mortise and a transverse orifice therein for receiving a knob spindle, which construction comprises a lock case adapted to be received within the mortise and having in its side wall a hole for a knob spindle, an attaching member adapted to be secured to the side wall of the lock case within the transverse orifice in the door and having a screw hole, a plate adapted to cover said orifice in the door and having

a hub for a knob spindle, said plate being provided with a screw hole arranged to register with that in the attaching member when the said hub is aligned with the said hole in the lock case.

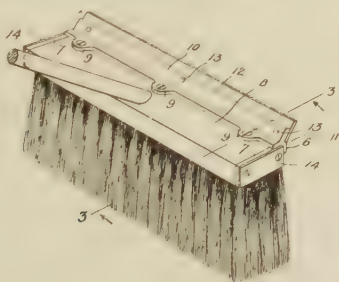
1,462,828. LOCK. OSCAR C. RIXSON, New Rochelle, N. Y., assignor to The Oscar C. Rixson Co., a Corporation of Illinois. Filed Mar. 28, 1922. Serial No. 547,387. 10 Claims. (Cl. 20—46.)



1. A lock mechanism comprising a case, a bolt slidable in the case, a roll-back for actuating the bolt in both directions, and a stop device movable into and out of the path of the roll-back by the relative movement of the bolt and case.

16. A lock comprising a lock case adapted to be secured to the face of a door, a bolt slidable in said case and arranged to protrude from one end thereof in locked position, the outer wall of the case having an extension at the bolt protruding end, a raised part on the inner face of the extension spaced from the end wall of the case and having a hole therein to receive the bolt in locked position, and a strike having a rectangular head adapted to be set into a rectangular cut in the trim and recessed to receive the raised part on said extension when the door is closed, the wall of the recess adjacent the end of the case having a hole adapted to receive the bolt when in locked position and the other three walls of the head serving to cover the raw cuts in the door trim and the bottom wall of the recess being provided with two angularly disposed diverging screw holes.

1,462,829. SCRAPER ATTACHMENT FOR BROOMS. WILLIAM ROBERTS, Los Angeles, Calif. Filed Apr. 1, 1922. Serial No. 548,627. 4 Claims. (Cl. 15—111.)

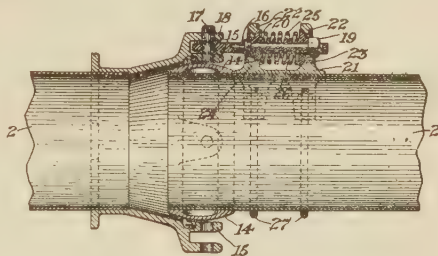


1. A scraper attachment for broom heads, comprising an angular base plate adapted to be secured to one of the upper side edges of a broom head, end plates formed integral with said base plate one at each end thereof, a scraper blade holding means formed on said base plate, and a scraper blade detachably mounted on said holding means.

1,462,830. FLOATING DISCHARGE PIPE FOR HYDRAULIC DREDGES. ARTHUR W. ROBINSON, Montreal, Quebec, Canada. Filed Dec. 10, 1920. Serial No. 429,654. 2 Claims. (Cl. 285—94.)

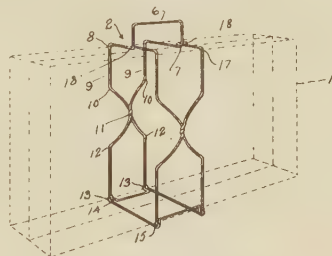
1. In a floating discharge pipe for dredges a ball and socket joint in the discharge pipe in combination with a link pivotally connected to one of the pipe sections, a spring cushioning device on the adjoining pipe section, the link engaging with the spring, and spherical

washers having spherical seats, which act respectively as abutments for the spring against pressures in either direction and as centering devices for the spring and the link.



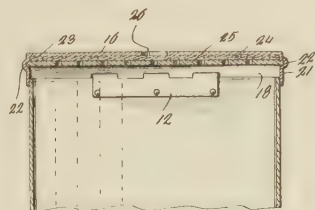
2. In a floating discharge pipe for dredges a pipe section provided with a socket having a plurality of lugs attached at one end and a single casting on the other end, a spring cushioning device supported by the casting, means to detachably attach the casting to the pipe, and a link for the spring cushioning device, adapted to interchangeably engage said lugs.

1,462,831. CARRIER FOR SUIT BOXES. SOLOMON SCHUMAN, Denver, Colo. Filed July 31, 1922. Serial No. 578,801. 1 Claim. (Cl. 224—49.)



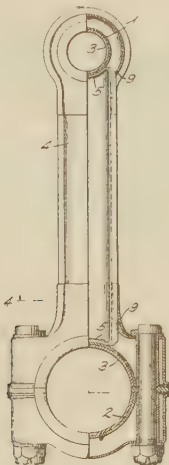
A suit box carrier comprising a side member formed from a wire having the intermediate portion thereof bent to form a handle, the free ends thereof being bent to form hooks; an intermediate U-shaped portion having its free ends formed into hooks, the hooks of the side member engaging the base portion of the intermediate member to form a hinged connection; a second side member bent intermediate its ends and hingedly connected to the hooks in the ends of the intermediate member, the free ends of the second side member being bent substantially at right angles to form means for connecting the two side members together.

1,462,832. HUMIDOR. HOWARD A. SHAW, Yonkers, N. Y. Filed Oct. 30, 1920. Serial No. 420,768. 3 Claims. (Cl. 131—30.)



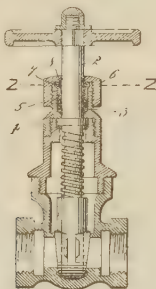
2. A humidifier comprising a receptacle, a perforated closure therefor, outwardly pressed portions in opposite sides of the closure to form recesses on the interior of the closure, a resilient perforated plate slightly longer than the width of the receptacle adapted to have its opposite ends snapped into said recesses, and absorbent material disposed between the plate and the top of the closure and extended entirely across the same and retained in engagement with the top.

1,462,833. PISTON ROD. HAROLD A. SOULIS, New York, N. Y., assignor to Wilbur T. Soullis, New York, N. Y. Filed Jan. 31, 1917. Serial No. 145,575. 19 Claims. (Cl. 74—17.)



3. A connecting rod having a hollow shank portion formed from pressed metal and provided with reinforcing ribs extending longitudinally thereof, one of said ribs being formed by permanently united integral flanges.

1,462,834. VALVE. ALFRED STENWALL, Kewanee, Ill., assignor to Walworth Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed July 3, 1922. Serial No. 572,691. 4 Claims. (Cl. 286—31.)



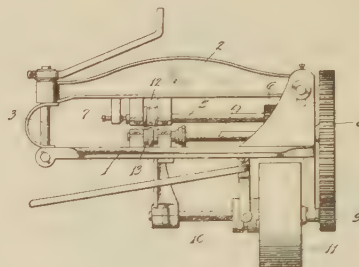
1. In a valve having a valve stem, packing around the stem and a packing-retaining member movable into an out-of-the-way position on the stem during the packing of the valve, the combination therewith of means for holding said member in an out-of-the-way position on said stem during the packing of the valve.

1,462,835. COMBINED BOARD AND METHOD OF MAKING THE SAME. WILLIAM STERICKER, Pittsburgh, Pa., assignor to Philadelphia Quartz Company, a Corporation of Pennsylvania. Filed Jan. 4, 1921. Serial No. 434,958. 2 Claims. (Cl. 154—40.)



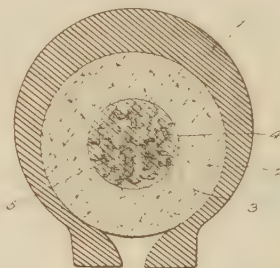
1. The process of forming a combined board having a plurality of plies of material which consists in coating one of the adjacent surfaces of said plies with an adhesive comprising a 34° BÉ. solution of sodium silicate in which the proportion of sodium oxid to silica is as 1 to 4, bringing said plies together, and applying pressure thereto to cause said adhesive to unite said plies.

1,462,836. ROLLS FOR TENSIONING, LEVELING, AND STRAIGHTENING BAND SAWS. RICHARD K. THOMAS, Vicksburg, Miss. Filed July 13, 1921. Serial No. 484,364. 1 Claim. (Cl. 76—27.)



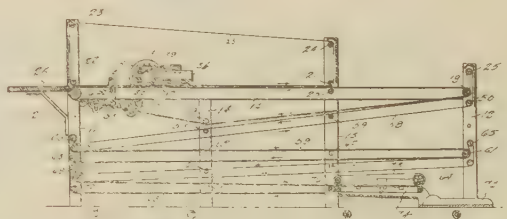
In a machine for treating band saws, the combination of upper and lower rolls, one of said rolls having a single working surface which is convex in cross section to engage the saw and the other of said rolls having a working surface which is concave in cross section and also a working surface which is convex in cross section, and means for shifting one of the rolls endwise whereby either the concave surface or the convex surface of the second-mentioned roll may be brought into operative relation to the convex surface of the first-mentioned roll.

1,462,837. TIRE FILLER. SALVATORE VITALIANO, Hazleton, Pa. Filed June 30, 1922. Serial No. 571,869. 1 Claim. (Cl. 152—2.)



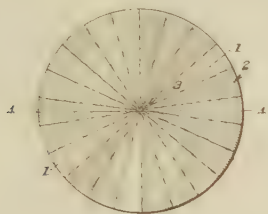
A tire filler comprising a substantially annular hollow body of cork, and a substantially compact core of feathers and chaff occupying the interior of the said body.

1,462,838. GUMMING MACHINE. ALBERT T. WALRAVEN, Dallas, Tex. Filed Oct. 18, 1921. Serial No. 508,459. 5 Claims. (Cl. 91—47.)



1. In a gumming machine, a support, an endless belt mounted on the support, retaining means disposed over the belt and moving therewith, a revolving imprinting device mounted immediately over the belt, means for supplying said device with glue, and a plurality of diverging conveyors receiving the work in sequence after it passes from the belt.

- 1,462,839. PHONOGRAPH REPRODUCER DIAPHRAGM. CHARLES WHITEFIELD, Victoria, British Columbia, Canada. Filed Mar. 25, 1920. Serial No. 368,795. 2 Claims. (Cl. 181—32.)

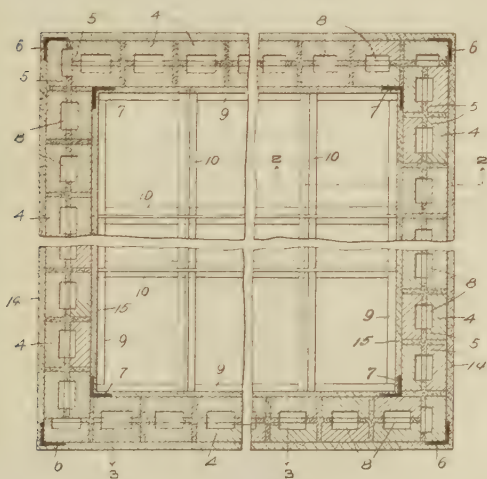


1. A reproducer diaphragm, composed of a plurality of sectors, mounted on a parchment or like base, all sectors cross sectionally tapering in thickness toward the center and consisting of quarter-sawn wood to enable the convergence of the grain toward the center for uniform vibration.

- 1,462,840. METHOD OF DETERMINING FREE PHOSPHORIC-ACID CONTENT. JAMES F. WILKINSON, Savannah, Ga. Filed Apr. 17, 1922. Serial No. 553,739. 2 Claims. (Cl. 23—30.)

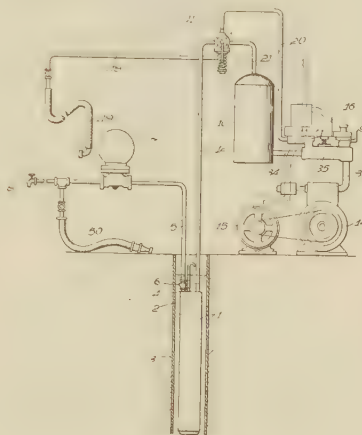
1. The process of determining the free phosphoric acid content of acid phosphate which comprises extracting the acid from a known amount of acid phosphate with a known quantity of alcohol, and titrating the solution obtained with an alkalimetal hydroxid.

- 1,462,841. BUILDING CONSTRUCTION. FRANK YOKEL, Pittsburgh, Pa. Filed Sept. 20, 1919. Serial No. 325,090. 3 Claims. (Cl. 72—39.)



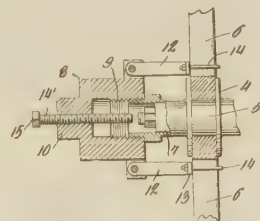
1. A building wall comprised of parallel outer and interior tiers of bricks laid one upon the other in staggered relation, the bricks in each tier all being alike and like the bricks in the other tier, each brick having its inner side face provided with a recess disposed between flanges at opposite ends of the brick, the recess extending across the thickness of the brick and having a length substantially greater than half the length of the brick, whereby communicating flues are formed between the two tiers of bricks.

- 1,462,842. PNEUMATIC SYSTEM. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 19, 1921. Serial No. 493,566. 30 Claims. (Cl. 230—24.)



1. In combination, a compressor, a reservoir, an automatic controller for the compressor connected to the reservoir, and a control valve in communication with said connection for making a reduction in pressure in said connection to start the compressor said reduction being temporary only.

- 1,462,843. WHEEL PULLER AND EMERGENCY HUB. EARNEST D. AINSWORTH, Boneta Springs, S. Dak. Filed Dec. 31, 1921. Serial No. 526,440. 3 Claims. (Cl. 29—85.)

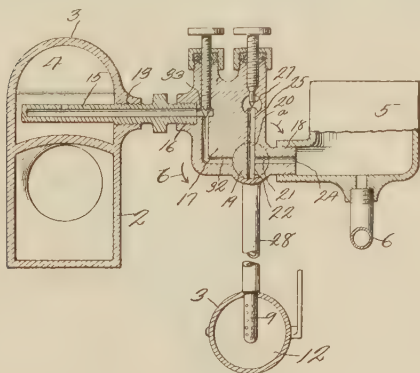


1. A device of the class described including a nut for engagement with the thread of a wheel hub and equipped with spoke embracing means, and a feed screw movable through the nut to impinge the wheel axle.

- 1,462,844. CHARGE PREHEATING AND VAPORIZING DEVICE. JOHN OSCAR ANDERSON and OSCAR P. PETERSON, Ely, Minn. Filed May 10, 1922. Serial No. 559,962. 5 Claims. (Cl. 123—122.)

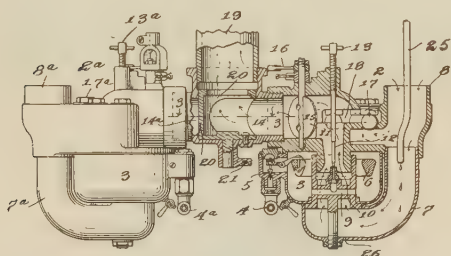
1. The combination with an exhaust manifold of an internal combustion engine, an intake manifold, a fuel supply device, of means for volatilizing, vaporizing and preheating the fuel as it passes from the fuel supply device to the intake manifold, said means comprising a valve casing adjacent the exhaust manifold, a pipe carried by the valve casing and extending into a preheating chamber carried by the exhaust manifold, spaced needle valves cooperating with valve seats, a three way plug valve rotatably mounted in the valve casing and cooperating with a fuel supply port and ports controlled by the needle valves, a pipe connection direct to the intake mani-

fold from the port controlled by one of said needle valves, means for admitting air through a port in the plug valve to the last named needle valve, and means whereby by



rotating the plug valve fuel will pass by the other needle valve to the preheating chamber and a pipe connection between the preheating chamber and the intake manifold.

1,462,845. CARBURETING APPARATUS FOR INTERNAL-COMBUSTION ENGINES. JOHN B. BARTHOLOMEW, Peoria, Ill., assignor to Avery Company, Peoria, Ill., a Corporation of Illinois. Filed Apr. 23, 1913, Serial No. 763,115. Renewed May 29, 1920. Serial No. 385,387. 3 Claims. (Cl. 261—18.)

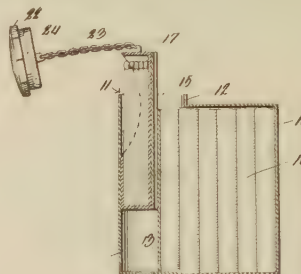


1. The combination with the engine duct 19 and the ducts 14, 14^a, of two fuel carbureters respectively connected to ducts 14, 14^a, one carbureter adapted to volatilize light hydrocarbon fluid, and the other adapted to volatilize heavier hydrocarbon fluid, the last said carbureter having a reduced passage through which air is drawn as a reduced stream past the fluid supply, means for supplying water to said passage, a duct leading air to said passage which under suction vaporizes the water and the hydrocarbon fluid, supplemental adjustable automatically acting devices for admitting air and commingling it with the mixture from said passage, a throttle valve in each of said ducts 14, 14^a, manually controllable means connecting said valves together for holding them in predetermined relative positions and simultaneously operating them, and a cut off valve for the duct 19 adapted to cut the ducts 14, 14^a either partially or entirely off from communication with the duct 19.

1,462,846. WATERPROOF CIGARETTE CASE. ELWOOD G. BELL, Chicago, Ill. Filed Nov. 18, 1921. Serial No. 516,122. 2 Claims. (Cl. 206—38.)

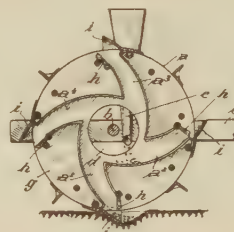
1. A cigarette case including a casing having a rounded side and an opening in one end adjacent said rounded side, a partition in the casing extending across the opening defining two compartments, a match container sub-

stantially semicylindrical located in the smaller of the two compartments, said container having an opening in



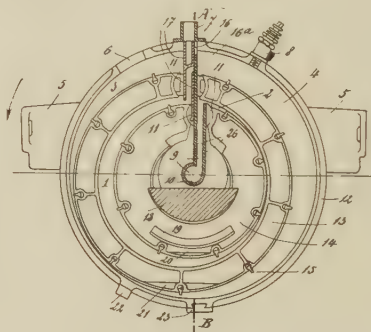
one side wall, a pair of flanges on the flat side of the container, a strip of abrasive material held between said flanges, and a closure for opening the casing.

1,462,847. DEVICE FOR DISTRIBUTING PULVERULENT OR GRANULAR MATERIAL CONTINUOUSLY SUPPLIED IN A CONTROLLED STREAM. HEINRICH BEHRENS, Brunswick, Germany. Filed Mar. 14, 1923. Serial No. 625,094. 4 Claims. (Cl. 221—121.)



1. Device for distributing pulverulent or granular material continuously supplied in a controlled stream, consisting of a plurality of tubular sections disposed substantially tangentially around a circle and forming a drum, said drum being rotatable and having an inlet through which a stationary supply spout projects, each of said tubular sections constructed to intercept the supply of material into the preceding tubular section shortly before said preceding tubular section is in discharging position.

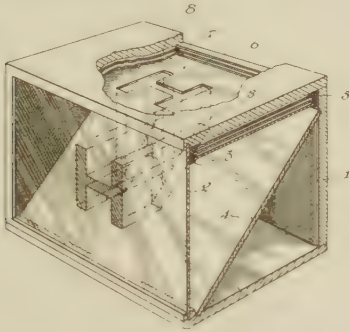
1,462,848. INTERNAL-COMBUSTION ENGINE. GASPARD BERRY, Brussels, Belgium. Filed Sept. 2, 1921. Serial No. 498,033. 6 Claims. (Cl. 123—8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



4. In an internal combustion engine of the drum type having crescent-shaped chambers, the combination of three drums of different lengths and diameters of which the central drum is the smallest one, said drums being arranged so, that the inner faces of the bases of the middle drum abut against the outer faces of the bases of the central drum and the outer faces of the bases of the middle drum abut against the inner faces of the bases

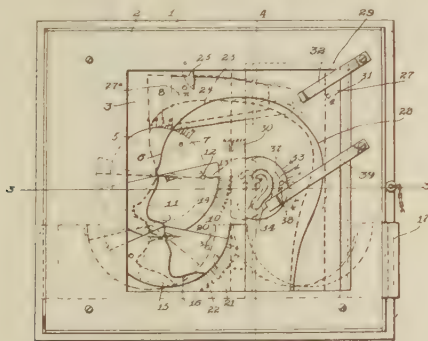
of the outer drum and that the inner circumference of the middle drum abuts on one side tangentially against the outer periphery of the central drum and on the opposite side with its outer periphery tangentially against the inner circumference of the outer drum, a hollow concentric shaft, a hollow piston fixed on the said shaft driving the rotary drums, a rockable joint member provided on the eccentrically mounted central drum and an automatic obturator for the piston fixed to the said rockable joint member, a constantly open fuel opening in said shaft and a constantly open exhaust port in the outer drum.

1,462,849. ILLUMINATED SIGN. SAM CHRISTENSON and ARTHUR E. CHRISTENSON, Fergus Falls, Minn. Filed Feb. 16, 1923. Serial No. 619,529. 3 Claims. (Cl. 40—130.)



1. A sign comprising a housing having an open front wall, a transparent plate in said open front wall, an angularly positioned reflector within said housing, a second reflector positioned adjacent the top of the housing parallel thereto, and a stencil plate arranged immediately below said second reflector in parallelism thereto.

1,462,850. PROFILE-DEFINING APPARATUS. EGBERT N. CLARK, Rochester, N. Y. Filed Feb. 28, 1922. Serial No. 539,894. 11 Claims. (Cl. 25—12.)



1. A profile defining apparatus comprising a plurality of relatively adjustable members, each having a section of a profile thereon, two proximate members being mounted to turn about a common axis at the junction of the profile sections thereon, and the other members being shiftable bodily with reference to said two members.

1,462,851. PROCESS FOR UTILIZING RESIDUAL HEAT. AUGUSTUS S. COOPER, Santa Barbara, Calif. Filed Oct. 7, 1921. Serial No. 506,053. 3 Claims. (Cl. 94—42.)

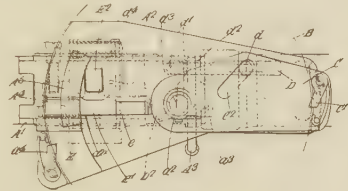
1. A process of the class described consisting of first beating the road surface, placing bituminized sand rock over the heated surface, covering the same with hoods that will confine the heat, and allowing the hoods to

remain in place until the asphalt in the sand rock is softened by the heat retained in the surface of the road, raking the bituminous sand rock to a uniform thickness



over the surface of the road, and when in a spongy condition strewing the surface with hot broken stone and afterwards rolling so as to form a smooth surface.

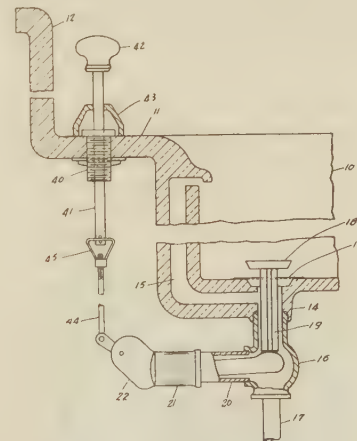
1,462,852. AUTOMATIC GUN. ARTHUR TREVOR DAWSON, GEORGE THOMAS BUCKHAM, and CARL ALFRED LARSSON, Westminster, London, England, assignors to Vickers Limited, London, England. Filed May 22, 1923. Serial No. 640,717. 6 Claims. (Cl. 89—3.)



1. In an automatic gun of the barrel recoiling type having a lock provided with an extractor, the combination of a rotary cartridge-holding member and means for moving the cartridges one at a time by the movements of the barrel, into a position for engaging with the extractor of the lock.

2. In an automatic gun of the barrel recoiling type having a lock provided with an extractor, the combination of a cartridge drum, means for angularly displacing said drum step by step by the movements of the barrel, a feed member operated by the movements of the barrel and means for depositing a cartridge from said drum into said member.

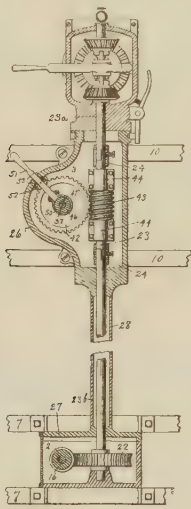
1,462,853. WASTE CONTROL FOR BASINS. WILLIAM H. DEHN, Cleveland, Ohio. Filed Nov. 30, 1921. Serial No. 518,841. 2 Claims. (Cl. 4—24.)



1. In a device of the character described, the combination with a bowl having a waste outlet and a stopper for closing the said outlet of a fitting extending down from said waste outlet, a pipe section mounted in the side connection of said fitting, a casing supported by said pipe section, said casing comprising a cylindrical portion and a head portion, a stopper lifting lever mounted in said cylindrical portion; said lever having a spherical shaped body portion, a sleeve mounted in said casing and surrounding the spherical portion of said lever, said sleeve having an internal flange at its forward end of less diameter than the diameter of the

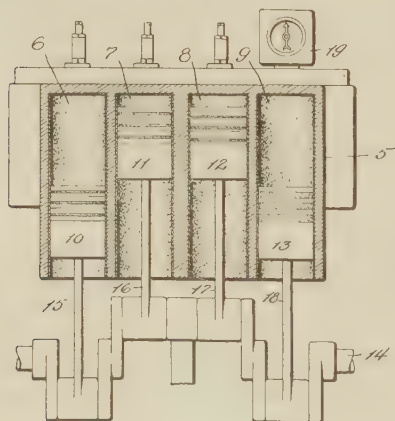
spherical portion of said lever, a coiled spring mounted in said casing and exerting a constant pressure against said sleeve, a gland mounted at the opposite end of said casing and carrying a packing ring adapted to bear against the spherical portion of the stopper lifting lever and means for operating said lever.

1,462,854. WASHING MACHINE. FREDERICK FENSELAU and GEORGE W. THOMPSON, Detroit, Mich. Filed Feb. 7, 1920. Serial No. 356,905. 1 Claim. (Cl. 74—101.)



In a washing machine, the combination of a support, a casing secured to one side of the support and a cover for the casing, a three part vertical shaft, the upper and lower parts thereof extending out through the ends of the casing, couplings within the casing and accessible when the cover is removed, which couplings normally connect the parts of said shaft but permit the removal of the intermediate part thereof when disconnected, a worm on the intermediate part of the shaft, and a driving mechanism including a worm wheel in mesh with the worm.

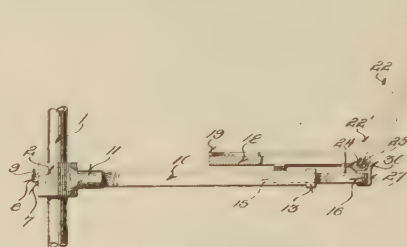
1,462,855. METHOD OF TREATING PISTONS, PISTON RINGS, AND CYLINDERS, AND SPECIALLY-PREPARED PISTON RINGS. OSCAR W. GERLEMAN, St. Louis, Mo. Filed Dec. 7, 1921. Serial No. 520,537. 3 Claims. (Cl. 74—109.)



1. As an article of manufacture, a piston ring having a circumferential groove formed on its lateral sur-

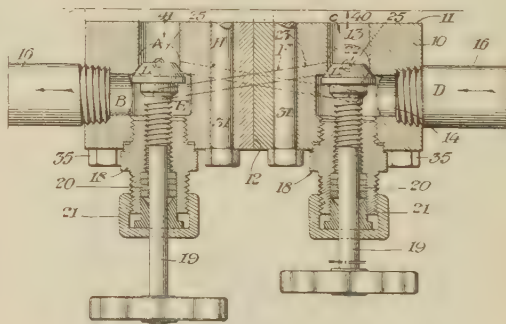
face filled with graphite not to exceed one grain by weight per inch of cylinder diameter held in suspension by paraffine.

1,462,856. PORTABLE TABLE. ARTHUR A. HARTMAN and WILLIAM C. SCHWARZBACH, Janesville, Wis. Filed Oct. 12, 1922. Serial No. 593,998. 4 Claims. (Cl. 45—82.)



1. A portable table comprising means for adjustably engaging a vertical support, an arm extending horizontally outwardly therefrom, a second arm telescopically associated with said first mentioned arm and having a horizontally positioned angularly arranged extension, collars adjustably mounted upon such extension, a table pivotally secured to said collars and adapted to occupy either a horizontal position or an upwardly slanting position, and means upon the under side of said table for engaging a book, said collars having means carried thereby for supporting said table either in its horizontal or upwardly slanting position, whereby said table may be freely rocked into the two positions and retained therein.

1,462,857. VALVE BLOCK FOR COMPRESSORS OR PUMPS. NICOLAI H. HILLER, Carbondale, Pa. Filed Dec. 8, 1921. Serial No. 520,831. 10 Claims. (Cl. 103—3.)

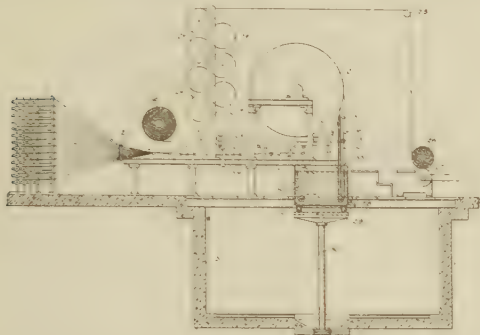


1. A valve block adapted to be secured to a pump cylinder port and having a main passage therethrough for registry with said port, a valve within said block for controlling said passage, and a pair of branch passages leading from said main passage at opposite sides of said valve, and a second valve in said block for controlling one of said branch passages.

1,462,858. APPARATUS FOR THE PRODUCTION OF WEFTLESS RUBBERIZED CORD FABRIC. ERNEST HOPKINSON, New York, N. Y., and ALFRED E. JURY, Rutherford, N. J.; said Jury assignor to Morgan & Wright, a Corporation of Michigan. Filed Oct. 29, 1921. Serial No. 511,498. 3 Claims. (Cl. 154—1.)

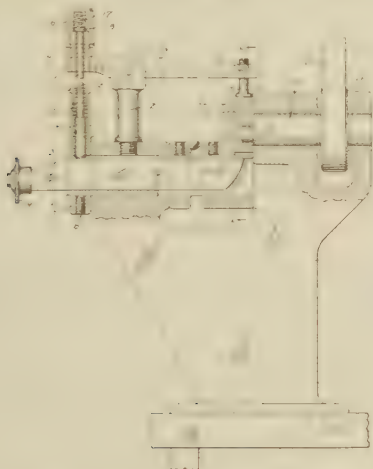
3. An apparatus for manufacturing weftless fabric comprising a source of supply of independent cords, means for treating the cords with latex, heated metallic de-

vices for drying the treated cords including a plurality of rows of cans, in combination with, a flexible carrier for maintaining the cords in parallel relation while dry-



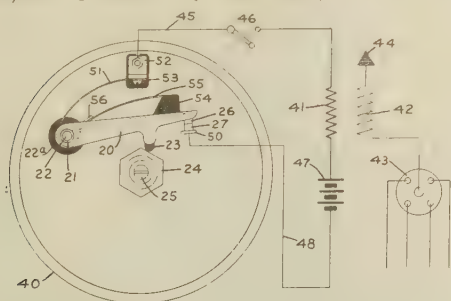
ing them, said cords on the carrier being conducted through the two rows of drying cans with their opposite faces alternately in contact with the cans.

1,462,859. STITCHING MACHINE FOR JOINING RUBBER. THOMAS B. HUESTIS, Bristol, R. I., assignor to National India Rubber Company, Bristol, R. I., a Corporation of Rhode Island. Filed Sept. 20, 1922. Serial No. 589,456. 6 Claims. (Cl. 154-1.)



1. A stitching machine comprising a pivotally mounted stitching tool, means independent thereof for rapidly vibrating the same, and means for operatively connecting them upon pressing an article to be stitched against said tool.

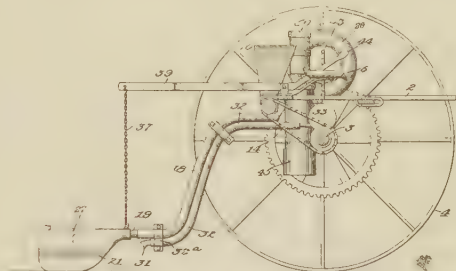
1,462,860. IGNITION TIMER. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Original application filed Jan. 2, 1918, Serial No. 209,845. Divided and this application filed Dec. 11, 1919. Serial No. 344,204. 5 Claims. (Cl. 200-30.)



1. In a timer mechanism, the combination with a support; of a pivoted arm having a hub mounted upon the

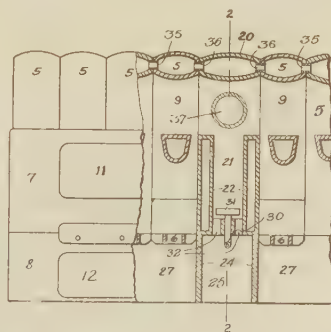
support, but insulated therefrom; a contact carried by the arm; a second contact carried by the support; a cam member cooperating with the arm to separate the contacts; a bracket mounted upon the support, but insulated therefrom; a leaf spring having one end thereof attached to the insulated bracket, and another portion partly encircling the hub of the arm, and the free end extending alongside the arm; a block of elastic material exhibiting elastic hysteresis located between the free end of the spring and the arm; and a clip attached to the spring and bearing upon the arm hub.

1,462,861. PLANT-VERMIN-EXTERMINATING STRUCTURE. JOHN M. JORDAN, Summit, Ga.; T. M. Jordan administrator of said John M. Jordan, deceased. Filed Apr. 24, 1920. Serial No. 376,387. 1 Claim. (Cl. 43-148.)



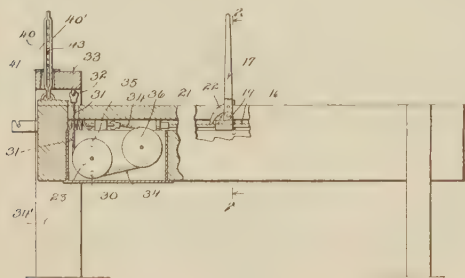
A vermin-destroying structure including a wheel-supported sulky comprising a frame, an axle mounted in the frame, wheels attached to the axle, gearing associated with the axle, a fan device carried by the frame, a poison-containing hopper also carried by the frame, a distributing member associated with the hopper and communicating with the fan device, tubular elements extending from the distributing device, yieldable plant-covering hoods attached to the tubular members and arranged in spaced-apart relation, means for adjusting the hoods laterally, and means for raising and lowering the hoods to different planes in respect to the frame of the sulky.

1,462,862. COMBINATION BOILER. CHARLES R. KLINE, Reading, Pa. Filed Sept. 9, 1920. Serial No. 409,079. 2 Claims. (Cl. 122-225.)



1. In a device of the character stated, a plurality of water holding sections, provided with transverse flues and communicating water passages, and a grate for the reception of solid fuel, in combination with a water holding section adapted to be heated by gas, said latter section having a water connection to said other sections, and a flue in communication with said transverse flues, a gas burner located in the lower portion of said gas heated section, upright water jacketed walls in said gas heated section located on each side of said gas burner, and a support for said gas burner having vertically extending air inlet passages leading from a chamber below said gas burner to the combustion chamber above the latter.

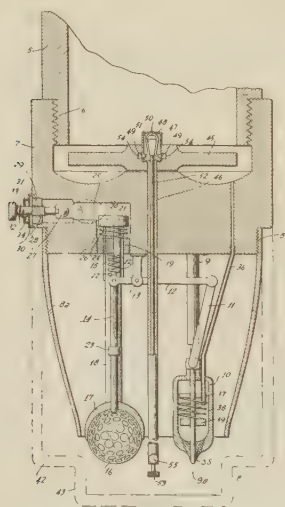
1,462,863. CHEESE PRESS. GUST KOHLMEIER, Manitowoc, Wis. Filed Sept. 18, 1922. Serial No. 588,905 5 Claims. (Cl. 100—55.)



1. In a device of the class described, the combination of a pair of sides having grooves therein, a pressure bar having its ends received in said grooves, heads on said pressure bar, a pair of pulleys, one of said pulleys being mounted on one of said sides, the other of said pulleys being mounted on the other of said sides, a pair of flexible members, one of said members being secured to one end of said pressure bar, the other being secured to the other end of said pressure bar, said flexible members passing over said pulleys and extending directly in the path of travel of said pressure bar, and means for imposing the weight of one end of said sides upon said flexible members.

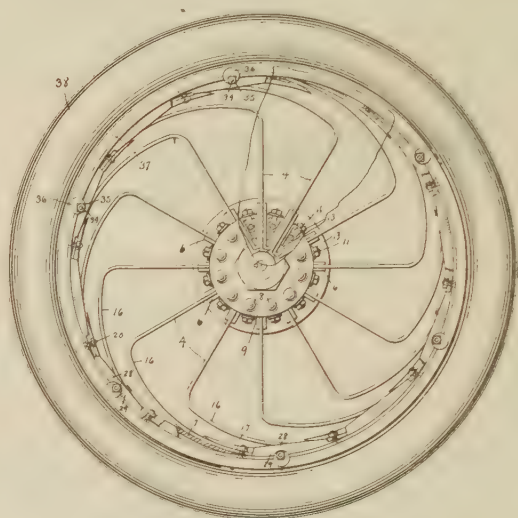
5. In a device of the class described, the combination of a pair of sides having grooves therein, legs supporting one end of said sides, a pressure bar having its ends slidable in said grooves, resilient means urging said pressure bar in one direction, a pair of flexible members, each secured to an end of said bar, a pulley on each of said sides, each of said flexible members passing over one of said pulleys, and means for imposing the weight of said sides on said flexible members, whereby said pressure bar is moved against the action of said first mentioned means.

1,462,864. CHECK-WRITING FOUNTAIN PEN. MARTIN M. LANG, Brooklyn, N. Y. Filed Aug. 29, 1921. Serial No. 496,217. 6 Claims. (Cl. 120—43.5.)



6. A device of the class described embodying an ink reservoir, a perforating device mounted for reciprocation and adapted to be supplied with ink from the reservoir, and means adapted to roll over the surface of the paper to cause reciprocation of the perforating device.

1,462,865. RESILIENT WHEEL. ERNEST F. LIECKFELT, Detroit, Mich. Filed Mar. 10, 1921. Serial No. 451,394. 11 Claims. (Cl. 152—50.)



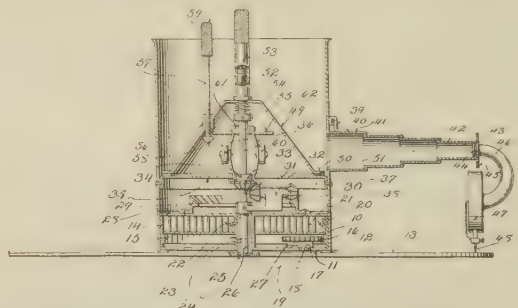
1. In a resilient wheel, the combination of a hub, a series of spokes having their inner ends lying against the hub, a series of substantially V-shaped springs between the inner ends of the spokes, wedges, and means to force the wedges between the sides of the springs to press the springs into the spaces between the spokes.

1,462,866. CURTAIN ROLLER. CHARLES O. MATHEWS, Devon, Conn. Filed Jan. 23, 1923. Serial No. 614,355. 6 Claims. (Cl. 156—36.)



1. In a curtain roller, a barrel having a spring tensioned rod therein, end caps for the barrel including inner and outer abutting disks the inner ones received in the barrel ends, bushings receiving the rod ends, said disks having registering central perforations, through which the bushings are passed, the ends of the bushings being headed into engagement with the outer faces of the disks one of the bushings having an oval-like head to clamp the outer convolution of the spring to the inner disk of the adjacent end cap, pawls, and posts for the pawls having ends passed through the inner disk of the other end cap and headed with their heads engaged against the outer disk of the said other end cap.

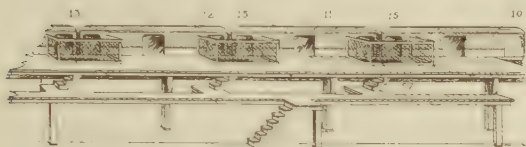
1,462,867. PHONOGRAPH. WILLIAM VICTOR MEYER, Milwaukee, Wis. Filed July 22, 1922. Serial No. 576,722. 5 Claims. (Cl. 274—9.)



1. The combination of a record and a phonograph located entirely above said record and operable on said

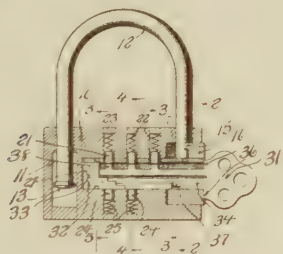
record while said record is stationary for reproducing the sound recorded by said record said phonograph being supported entirely by said record.

1,462,868. PASSENGER TRAIN AND PLATFORM. LOUIS NEWMAN, Chicago, Ill. Filed Dec. 15, 1917. Serial No. 207,372. 24 Claims. (Cl. 104—30.)



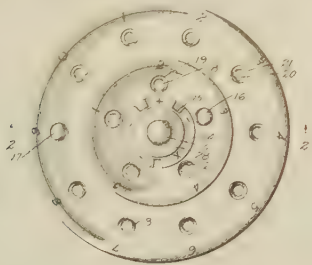
4. A passenger train and a platform at which said train may stop to receive and discharge passengers, said train and said platform both having entrances and exits, a platform separator directing persons leaving the train directly to the platform exits thereby preventing them from mingling with persons boarding the train.

1,462,869. LOCK. ADAM PRIMAK, Kenosha, Wis. Filed Apr. 25, 1922. Serial No. 556,396. 5 Claims. (Cl. 70—96.)



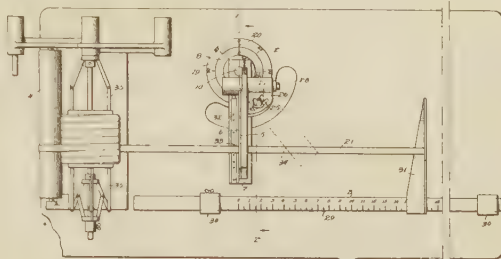
1. The combination of a casing, a shackle pivoted thereto and having a transversely slotted locking end, said casing having an opening to receive the locking end of said shackle, a series of slidable spring urged tumblers within said casing, a cylinder provided with a key slot and a series of apertures adapted to receive said tumblers, said cylinder being rotatably mounted within said casing, a slidable block operably coupled to said cylinder and having a tooth adapted to enter the slot in the locking end of said shackle, and a key adapted to enter the slot within said cylinder and to press the tumblers outwardly from the recesses in said cylinder, whereby when the key is inserted the cylinder may be rotated and moved axially to withdraw the tooth from engagement with the slot in said shackle.

1,462,870. MATHEMATICAL TOP. JAMES B. ROGERS, Chicago, Ill. Filed Jan. 7, 1922. Serial No. 527,565. 6 Claims. (Cl. 35—2.)



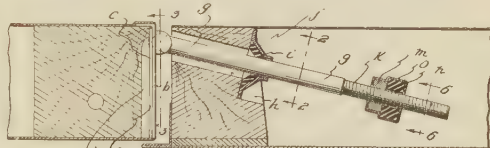
1. A top comprising a spinnable body provided with a circular ball race, and a ball mounted to travel in said race as the top spins and means for preventing the ball from escaping outwardly beyond the confines of said circular ball race.

1,462,871. MEASURING AND CUTTING DEVICE. IRVING ROSENBERG, East Orange, N. J. Filed June 2, 1921. Serial No. 474,558. 6 Claims. (Cl. 164—41.)



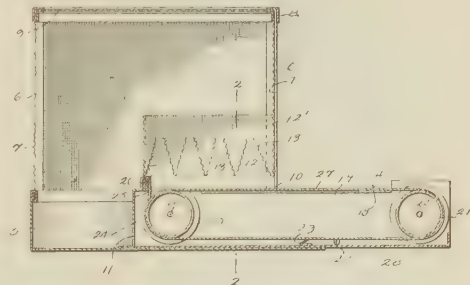
1. A combined measuring and cutting device comprising: cutting means, a measuring scale, and a guide, movable with respect to said measuring scale, for passing a length of material through the plane of the cutting means.

1,462,872. DOORCHECK. ALBERT SCHMIDT, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed Feb. 1, 1922. Serial No. 533,296. 6 Claims. (Cl. 292—275.)



1. A door check, comprising a post fixture which consists of two plates secured together, one of the plates provided with a loop formation forming a knuckle, a T-bolt having a head portion secured in the knuckle when the said two plates of the fixture are secured together, a door fixture through which the stem of the T-bolt slidably engages, and an abutment on the end of the T-bolt for striking the door fixture.

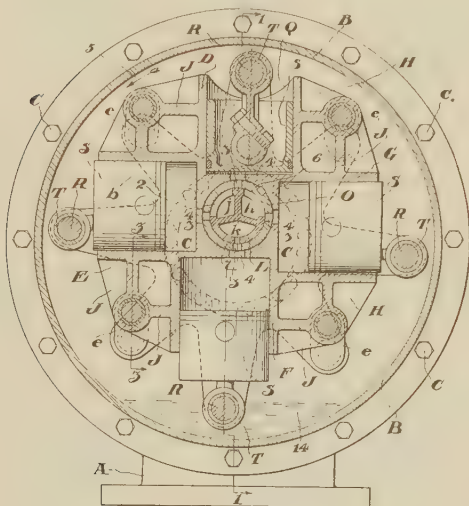
1,462,873. FLY-CATCHING APPARATUS. HENRY C. SHOCKEY and THOMAS FENNELL, Casa Grande, Ariz. Filed Sept. 7, 1921. Serial No. 499,010. 1 Claim. (Cl. 43—111.)



In fly catching apparatus, a main casing having an opening in one side thereof, a holding socket in the main casing in alignment with said opening, guide bars carried by said holding socket, a guide casing carried by said guide bars, tapered elements arranged in said guide casing, a support adapted for insertion in and through the opening in the main casing and having its forward

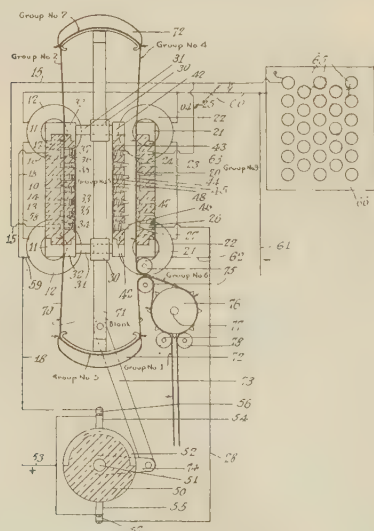
end removably mounted within said holding socket, a conveyor element bodily mounted upon said support, and means to drive conveyor element.

1,462,874. ROTARY-CYLINDER MOTOR. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 19, 1922. Serial No. 530,481. 5 Claims. (Cl. 121—59.)



1. In a reversible rotary fluid actuated cylinder motor, a main bearing for the cylinder member having three motive fluid distribution passages, one of said passages always being in communication with the atmosphere, and reversing means for causing either one of the remaining two passages to act as an inlet when the other of said two passages is caused to be open to atmosphere, a rotary cylinder member having at least one cylinder mounted to rotate on said bearing, and a port adapted to successively connect the cylinder with the said three passages as the cylinder rotates, whereby properly timed admission to the cylinder through that passage acting as an inlet and early cut-off of the supply and then exhaust from the cylinder is obtained in either direction of rotation of the cylinder member as controlled by the said reversing means.

1,462,875. ELECTRICAL DISPLAY SYSTEM. RAY F. STODDARD, Dayton, Ohio. Filed Oct. 27, 1919. Serial No. 333,833. 13 Claims. (Cl. 177—350.)



3. In an electrical display system, a field of incandescent lamps, two fields of contact couples, one couple

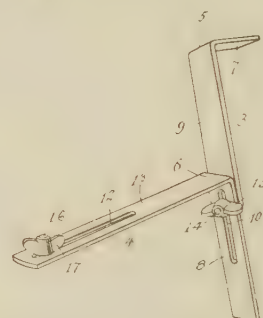
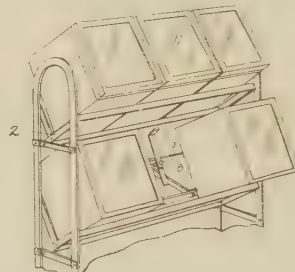
in each field adapted to control one and the same lamp in said field of lamps; a single strip of insulating material adapted to pass between the members of each field having perforations which permit only predetermined couples to contact, means for moving said strip intermittently to bring new sections thereof successively between the fields of contact couples, and means for holding the strip stationary between either of the fields of contact members while it is moving with reference to the other field of members.

1,462,876. METHOD OF MANUFACTURING CONNECTING PINS. ELMER M. SUMMERHAYS, Hammond, Ind., assignor to Frederic Schaefer, Pittsburgh, Pa. Filed Jan. 27, 1922. Serial No. 532,320. 2 Claims. (Cl. 29—164.)



1. The method of forming a cylindrical blank and in a single operation a headed pin having a forged entering end, which comprises spreading laterally, by the same dies used for forging the entering end of the pin, the other end of the blank to form an elongate head overhanging the body of the pin.

1,462,877. DISPLAY-RACK ATTACHMENT. EDWARD B. WESTON, Dayton, Ohio. Filed Apr. 16, 1923. Serial No. 632,362. 5 Claims. (Cl. 811—14.)



1. In combination with a display rack having an inclined shelf, and an open metallic frame as a back support, in which containers are displayed, a bracket for supporting at the back a container shallower than other containers on the shelf, comprising a member to be attached to the back support, a member to support the back of the shallower container and a member to engage the upwardly facing side of the said container.

1,462,878. JACK. GEORGE WARREN WILLIAMSON, Indianapolis, Ind. Filed Mar. 30, 1922. Serial No. 547,979. 7 Claims. (Cl. 254—106.)

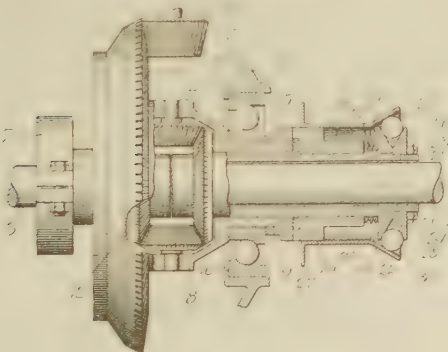
1. A lifting jack comprising a main stem, a load-engaging member slidably mounted on the stem, a pair of

climbing members mounted on the stem and movable longitudinally and laterally, a pivoted operating lever carried by the load-engaging member, interengaging means between said lever and climbing members for causing relative reciprocation of the climbing members upon oscillation of the lever, means for normally causing the



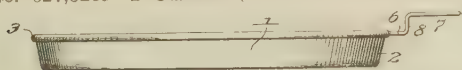
climbing members to actively interengage with the stem in one direction of movement while permitting freedom of movement in the opposite direction, and means permitting lateral movement of the lever to cause lateral shifting of the climbers to permit reverse movement of the climbers on the stem.

1,462,879. CLUTCH FOR DIFFERENTIAL-GEAR-CONTROL MECHANISM. IRVING C. WOODWARD, Syracuse, N. Y. Filed Oct. 22, 1921. Serial No. 509,660. 2 Claims. (Cl. 192—93.)



1. The combination of a clutch operating mechanism, with a clutch comprising a pair of elements having coacting shoulders on their opposed faces, yielding means normally holding said elements in driving relation to each other, a pair of rotatable members having opposed cam surfaces, one of said rotatable members being axially stationary, the other of said rotatable members being axially movable and connected to one of said clutch elements by rods extending through said one member, and wedging means coacting with said cam surfaces for moving said other member away from said one member to disengage said clutch elements.

1,462,880. HANDLE FOR PIE PANS. HELEN SOPHIA ALTMAN, Elcho, Wis. Filed Mar. 24, 1923. Serial No. 627,525. 1 Claim. (Cl. 53—6.)



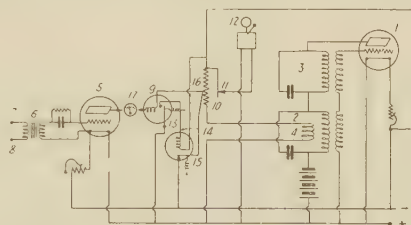
A pie pan having its peripheral wall provided with a bead at its upper edge, a handle formed of a doubled strand of wire having its inner ends turned into the

bead, said handle bent upwardly at a distance from the bead and also bent outwardly a distance from the top of the pan edge.

1,462,881. METHOD FOR PRODUCING FLUID-SEPARATING MEDIUMS AND FLUID-SEPARATING MEDIUM PRODUCED THEREBY. THOMAS M. CHANCE, Philadelphia, Pa. Filed Jan. 25, 1922. Serial No. 531,770. 6 Claims. (Cl. 83—85.)

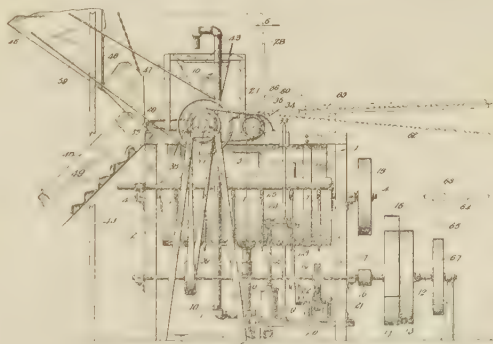
1. The method for producing composite separating mediums for use in the separation of materials of unlike physical properties which consists in suspending in a liquid a plurality of intermixed comminuted solids substantially insoluble therein and of different specific gravities and in so proportioning the volumetric percentages of said solids and of said liquid as to attain the desired specific gravity of said medium.

1,462,882. RECEIVING SYSTEM. HENRI CHIREIX, Paris, France. Filed Mar. 24, 1922. Serial No. 546,465. 12 Claims. (Cl. 250—2.)



1. In signaling systems, a calling device, comprising a circuit adapted to oscillate, means responsive to signals adapted to control the oscillation of said circuit, a vibrator cooperating with said circuit and an integrating device having a portion adapted to be alternately utilized in response to the actuation of said vibrator to control an indicating device.

1,462,883. PROCESS AND APPARATUS FOR MAKING CONFECTIONS. WILLIAM S. CLOUD, Peoria, Ill., assignor to James D. Roszell, Peoria, Ill. Filed May 2, 1923. Serial No. 636,071. 12 Claims. (Cl. 107—1.)



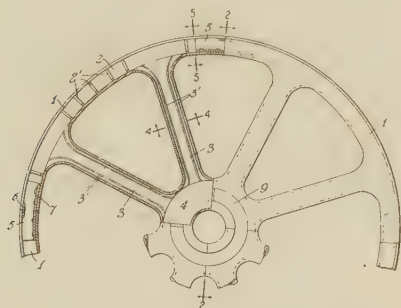
1. The process of coating candy centers and enveloping said coated centers with materials, which consists in continuously moving said centers and during such movement subjecting the same, first to a coating of plastic material to enrobe said centers and then without appreciably cooling enveloping said enrobed centers with a multiplicity of edible units.

6. In an apparatus of the character described, in combination, means for moving candy centers, means for enrobing said centers with a coating of plastic material as they are moved, and means for enveloping the enrobed centers with a multiplicity of edible units during the movement of said centers.

11. In an apparatus of the character described, in combination with a continuously operating coating means

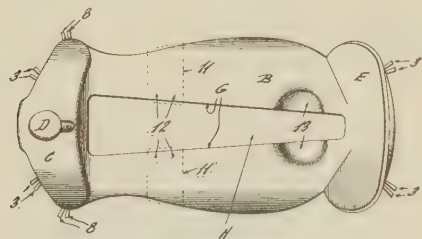
for enrobing sandy centers with a plastic material, of means for enveloping said enrobed centers with a multiplicity of edible units, and means to separate the enveloped centers and the surplus edible units.

1,462,884. WHEEL. EDWARD J. DOTTERWEICH, Syracuse, N. Y., assignor to Oliver Frederick Cabana, Buffalo, N. Y. Filed Jan. 4, 1922. Serial No. 526,975. 20 Claims. (Cl. 301—65.)



14. A hollow cast metal wheel comprising substantially sector shaped sections each including a hollow felly section, a hollow spoke and a hollow hub section cast integrally with each other, the spoke section extending in a generally radial direction and opening directly into the felly and hub sections, a channel shaped connecting member arranged within adjacent end portions of adjoining felly sections and having a brace extending across the open side thereof, and means for holding said member and the coating felly section in proper relation to each other including an integral projection on one of said coating parts in interlocking engagement with the other, said parts being welded together adjacent said projection.

1,462,885. SADDLE. ARCHIE W. HAWKINS, St. Louis County, Mo., assignor to Simmons Hardware Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 8, 1921. Serial No. 459,687. 5 Claims. (Cl. 54—44.)

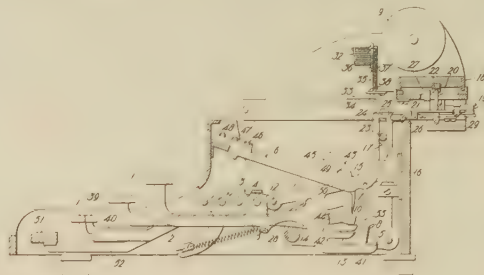


2. A saddle provided with a saddletree having side bars, an abruptly depressed semicircular portion being formed in the rear portion of each of said side bars at its inside margin, said depressed portion being in the top face of the bar, and stirrup straps secured to said saddletree.

1,462,886. TYPEWRITING MACHINE. WILLIAM H. HULSE, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 12, 1920. Serial No. 388,401. 14 Claims. (Cl. 197—83.)

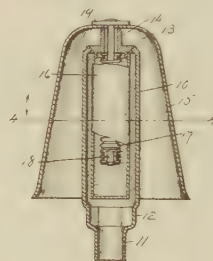
1. In a typewriting machine, the combination with a traveling carriage, of letter-feeding type-keys, silent keys, an escapement-actuating device universal to said letter-feeding keys and said silent keys, a device tending to lock said escapement-actuating device in actuated posi-

tion when moved thereto, and means, universal to said letter-feeding keys but not to said silent keys, for pre-



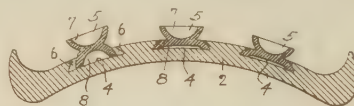
venting the locking action of the locking device when the escapement-actuating device is actuated by the letter-feeding keys.

1,462,887. TEMPERATURE ALARM. OSCAR H. LUDEMAN, Glen Ridge, N. J. Filed Dec. 20, 1921. Serial No. 523,792. 9 Claims. (Cl. 116—102.)



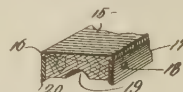
2. A signal comprising a hollow support adapted to receive a fluid, a sounding device loosely mounted on said support for movement thereon to sound an alarm, a device movably affected by changes in temperature and located within said support to be affected by the temperature of the fluid therein, and a controller operatively connected with said device and with said sounding device to control the movements of the latter.

1,462,888. DENTAL SUCTION PLATE. JACOB PETRY, Pittsburgh, Pa. Filed Apr. 18, 1922. Serial No. 554,386. 3 Claims. (Cl. 32—4.)



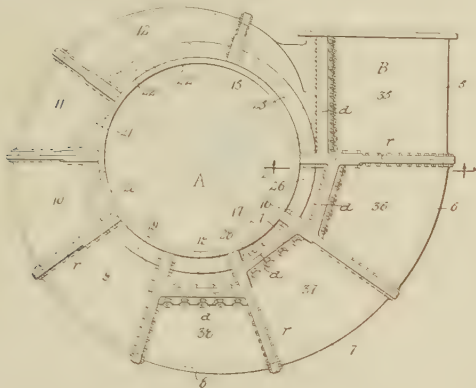
1. The combination of a plate having a seat formed therein with an undercut groove, and a suction element having upper and lower reversed cup-sections, one cup-section engaging said seat.

1,462,889. BICYCLE SLED. ADELBERT T. SLATER, Bay City, Mich. Filed Nov. 1, 1922. Serial No. 598,330. 1 Claim. (Cl. 280—16.)



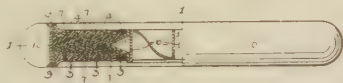
As a new article of manufacture, a runner for the device of the class described including a body having overhanging shoulders extended along its upper longitudinal edges, plates disposed under the shoulders and extending below the underface of the body said body provided on its underface with a centrally located longitudinally extending channel.

1,462,890. SPIRAL CASING. HARVEY BIRCHARD TAYLOR, Philadelphia, Pa. Filed Apr. 30, 1920. Serial No. 377,735. 28 Claims. (Cl. 253—120.)



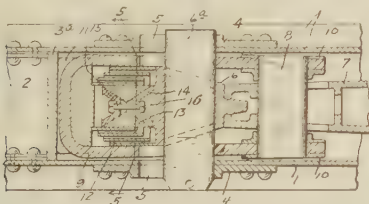
1. A volute casing for a turbine or pump subdivided into a plurality of separate cast sections by a series of transverse planes, at least one of which sections is further subdivided into two smaller sections by two planes diagonal to the axis.

1,462,891. RESILIENT WHEEL. GEORGE E. VINNEDGE Portland, Oreg. Filed Sept. 25, 1922. Serial No. 590,534. 5 Claims. (Cl. 152—28.)



2. A vehicle wheel comprising a disk hub member provided upon its periphery with a plurality of radial projections integral with it and having mounted thereon and interlocked in position by means of said projections a plurality of concentric metal bands having similar radial projections integral with them, the said bands alternating with a corresponding number of resilient bands acting as separators between said metal bands, an outer band or felloe provided upon its inner surface with a plurality of depressions corresponding with the number of projections upon the bands and fitting closely over the outer separator band of resilient material and interlocked thereon, and upon its outer face a tire.

1,462,892. FRICTION DRAFT GEAR. EDWIN C. WASHBURN, Englewood, N. J. Filed Feb. 5, 1921. Serial No. 442,658. 11 Claims. (Cl. 213—23.)

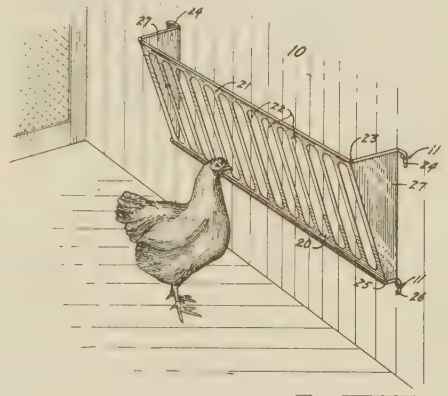


1. A draft gear having in combination a longitudinal compressible volute plate spring, means for compressing said spring and frictional radially movable means for expanding the same.

1,462,893. VEGETABLE FEEDER FOR POULTRY. WILLIAM WINGROVE, Edgewater, Colo. Filed Feb. 19, 1923. Serial No. 620,069. 1 Claim. (Cl. 119—60.)

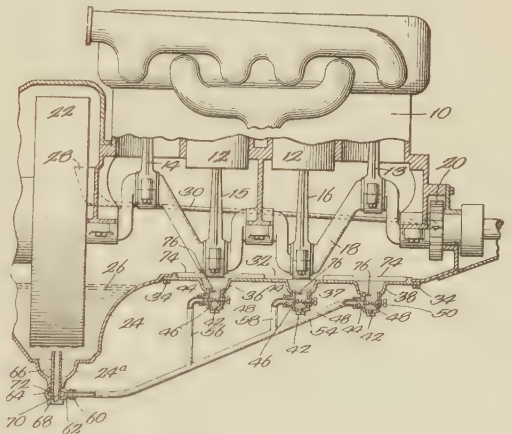
A feed container for poultry comprising a strip of sheet metal bent at its extremities to form two wedge shaped

end members; a series of slots formed in said strip between said end members; a rod secured along the upper edge of said strip, said rod terminating at its ends in



downward turned hooks; a second rod secured along the lower edge of said strip with its ends similarly terminated and staples adapted to be fixed in a vertical wall and engaged by said downward turned hooks.

1,462,894. COMBUSTION-ENGINE-LUBRICATING MECHANISM. GOTTLIEB F. ZUCKER, Chicago, Ill. Filed Dec. 19, 1921. Serial No. 523,508. 4 Claims. (Cl. 184—13.)

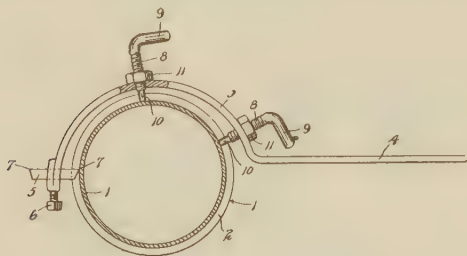


3. In mechanism of the class described, the combination of a crankshaft carrying a plurality of crank pins to be lubricated, a plate below the crank shaft provided with a plurality of oil pots, one for each crank pin mechanism, separate pipe connections leading from the lower portions of said oil pots to an oil chamber, mechanism carrying oil from said oil chamber and delivering it onto said plate to maintain oil in said oil pots, and means in connection with each oil pot for independently regulating the amount of oil returning from each oil pot to said oil supply means, for the purposes set forth.

1,462,895. PISTON-RING-GROOVE CARBON SCRAPER. CARL AMUNDSON, Spring Grove, Minn. Filed Dec. 7, 1922. Serial No. 605,514. 4 Claims. (Cl. 15—104.01.)

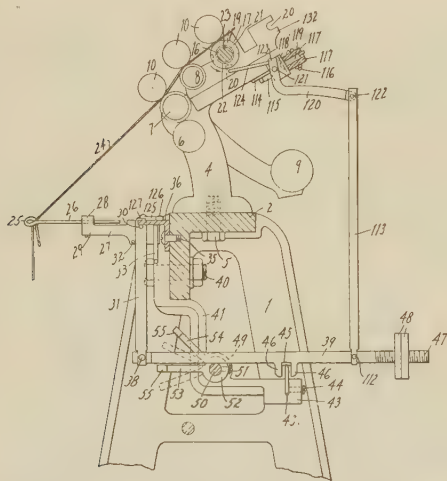
2. A device of the class described comprising a frame of substantially semi-circular shape having a handle at

one end thereof, a radially adjustable tool removably held in one end of said frame, and spaced radially adjustable



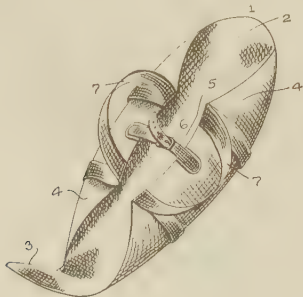
guiding means carried by said frame adapted to travel in the piston ring groove.

1,462,896. AUTOMATIC ROVING CHECK. GEORGE R. BARKSDALE and PAUL B. WILSON, Greenwood, S. C.; said Wilson assignor to said Barksdale. Filed Oct. 28, 1922. Serial No. 597,661. 38 Claims. (Cl. 117—28.)



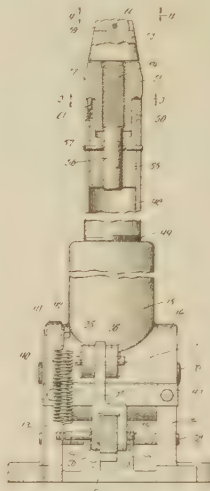
1. In an automatic roving check, means controlled by the roving after it passes the third drawing roll to cause said roving to break between the first and second drawing rolls in the event the roving first breaks after passing said second drawing roll.

1,462,897. CARRIER. ALPHONSO V. BARTO, Bronxville, N. Y. Filed July 3, 1920. Serial No. 393,795. 12 Claims. (Cl. 224—45.)



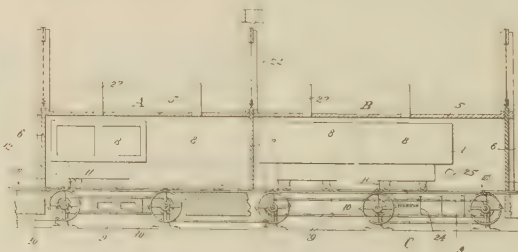
1. A carrier adapted to support children comprising a flexible means held in extended position, a small area of said means being held at an angle to the remaining area of said means to form a saddle which functions to prevent a child from sliding from said carrier, and a handle associated with said means for transporting said carrier.

1,462,898. STITCHING MACHINE. GOTTFRIED P. BAUMANN, Chicago, Ill., assignor to Ideal Stitcher & Manufacturing Company, Chicago, Ill. Filed June 27, 1921. Serial No. 480,742. 10 Claims. (Cl. 1—15.)



8. In a stitching machine, a clincher-block post base bracket for mounting on the base of the stitcher, a clincher-block post pivotally mounted on said bracket so as to tilt forward from a normal upright position, a treadle pivotally secured to said bracket, interengaging locking plates on said treadle and post to normally lock the post in its upright position, and a link connecting said treadle and post but having lost motion so as to permit a preliminary movement of the treadle to unlock said plates and a further movement to tilt the post.

1,462,899. FURNACE FOR MELTING AND CASTING. GEORGE HILLARD BENJAMIN, New York, N. Y., assignor to Anatmos Metals and Furnace Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 15, 1921. Serial No. 507,960. 10 Claims. (Cl. 263—28.)

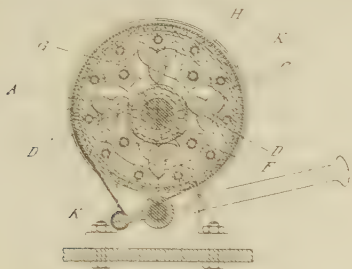


1. In a structure of the class described, the combination of a tunnel kiln, means for heating the interior of the kiln, a series of melting furnaces, means for leading the melting furnaces, said means being independent of the means for heating the interior of the kiln, and means for moving the melting furnaces through the kiln.

1,462,900. TRANSMITTING AND REVERSING GEAR. RICCARDO BONINSEGGNI, Florence, Italy. Filed Sept. 2, 1921. Serial No. 497,830. 5 Claims. (Cl. 74—34.)

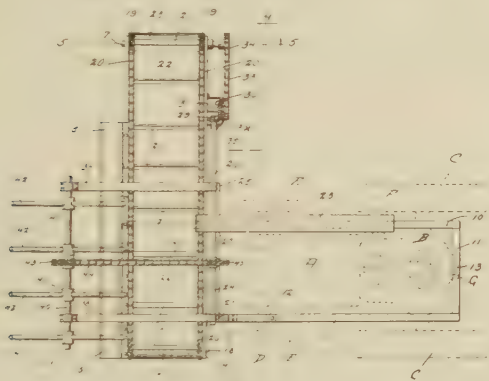
1. Motion transmitting mechanism, comprising, in combination, a driving shaft and a driven shaft, an eccentric carried by the driving shaft, a drum carried by the driven

shaft in concentric relation to said driving shaft, rotatable members carried by said drum and adapted to



be rotated by said eccentric, and means disposed in concentric relation to said shafts and adapted to restrain the rotation of said rotatable members.

1,462,901. SNOWPLOW. GEORGE S. BRECHT, Baltic, S. Dak., assignor to A. L. Stewart, Canton, S. Dak. Filed Dec. 9, 1922. Serial No. 605,960. 6 Claims. (Cl. 37—45.)



1. A snow plow attachment for tractors comprising a frame adapted to be placed in embracing relation to a tractor inwardly of the wheels thereof and equipped with clamps engageable with the front axle and means for connection with the draw-bar mounting, a transverse frame carried by the forward end of said main frame and located in advance of the tractor, a scraping blade carried by said transverse frame and a conveyor mounted within said transverse frame and driven from the power pulley of the tractor.

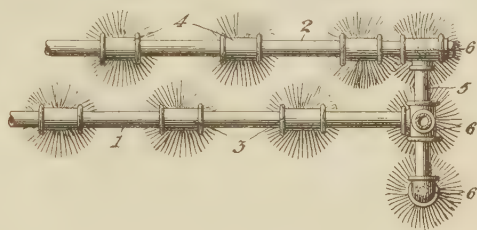
1,462,902. METHOD OF TREATING ROADWAYS. SAM EVERETT FINLEY, Atlanta, Ga. Filed Nov. 7, 1919. Serial No. 336,453. 3 Claims. (Cl. 94—23.)

1. The method of constructing road surfaces which comprises applying a layer of broken stone or other mineral aggregate to the foundation, wetting the aggregate sufficiently to wash adhering loose foreign matter therefrom and coat and partially impregnate the aggregate with the wetting medium, and covering the wetted aggregate with a penetration coating of heated bituminous binding medium; whereby a better penetration and incorporation of the binder with the aggregate is effected.

1,462,903. APPARATUS FOR APPLYING BINDING MEDIA TO ROAD SURFACES. SAM EVERETT FINLEY, Atlanta, Ga. Original application filed Sept. 21, 1921, Serial No. 502,264. Divided and this application filed Mar. 20, 1922. Serial No. 545,237. 4 Claims. (Cl. 299—34.)

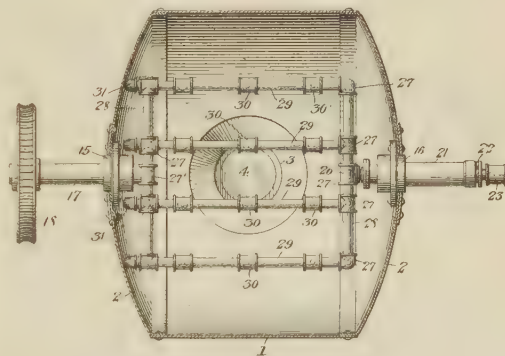
2. Means for applying a coating of binding medium to a road surface including the marginal edges thereof,

comprising a header having a longitudinal series of spray nozzles delivering overlapping sprays of the medium to



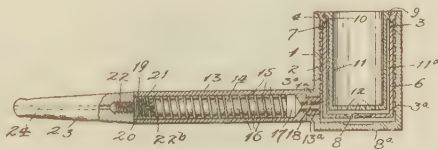
the road surface, and a transverse series of spray nozzles at the end of the header to deliver overlapping sprays at the lateral edge of the road surface.

1,462,904. METHOD OF PREPARING BITUMINOUS-CEMENT-AGGREGATE COMPOSITION. SAM EVERETT FINLEY, Atlanta, Ga. Filed July 18, 1922. Serial No. 575,864. 8 Claims. (Cl. 94—23.)



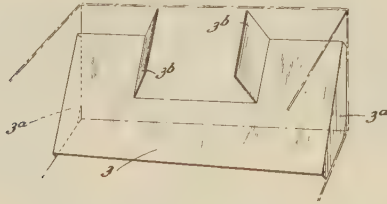
1. The method of preparing bituminous cement-aggregate composition which comprises distributing the various sizes of aggregate uniformly throughout the mass by agitation, and applying a predetermined proportion of binding medium to the mass while the latter is in agitated condition in the form of a uniform spray.

1,462,905. SMOKING PIPE. JOHN B. FROST, Buckley, Wash. Filed Apr. 16, 1921. Serial No. 461,911. 1 Claim. (Cl. 131—12.)



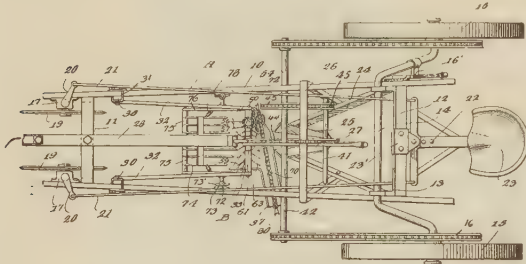
In a pipe for smoking tobacco and the like a plurality of telescoping bowls the innermost bowl adapted to contain the burning tobacco being spaced from the next adjacent bowl throughout except for a supporting annular rim and the outermost bowl being spaced from the next adjacent inner bowl by a helical flange defining a helical passage, said helical passage communicating with the space adjoining the innermost bowl adjacent the supporting annular rim and said latter space communicating with the cavity of the innermost bowl by passages formed in the latter's bottom.

1,462,906. SUPPORT FOR USE IN PACKING BASE-BALL GLOVES FOR SHIPMENT. WALTER L. GRAEFF, Philadelphia, Pa., assignor to George A. Reach, Philadelphia, Pa. Filed Dec. 11, 1922. Serial No. 606,327. 3 Claims. (Cl. 206-7.)



1. A support for use in packing base ball gloves in shipping boxes, comprising a blank having triangular ends bent to one side of the blank into planes perpendicular to said blank, and having integral spaced wings extending from the opposite face of the body of the blank.

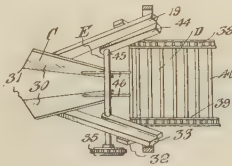
1,462,907. BEET-TOPPING MECHANISM. CLARENCE L. GREENING and CHARLES W. GREENING, Breckenridge, Mich. Filed May 24, 1920. Serial No. 383,832. 6 Claims. (Cl. 55-107.)



1. In a beet harvester, a beet topping mechanism including a stationary knife, a rotatable knife, means for rotating the knife, and means for permitting the rotating knife to slide in relation to said stationary knife when a hard object is struck.

3. In a beet harvesting mechanism, a frame, cutting knives carried by the frame, means carried by the frame and arranged in rear of said cutting knives for moving the severed tops therefrom, and an endless conveyor arranged to engage said beet tops and move the same to one side of said frame.

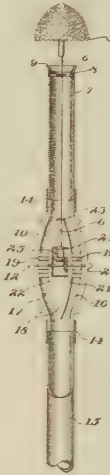
1,462,908. BEET HARVESTER. CLARENCE L. GREENING and CHARLES W. GREENING, Breckenridge, Mich. Filed May 24, 1920. Serial No. 383,833. 4 Claims. (Cl. 55-106.)



1. In a beet harvesting device, a frame, a pair of ground wheels for the frame, a depending U-shaped frame secured to the supporting frame, a pair of inclined pulling bars carried by the lower terminals of the U-shaped frame, an elevating mechanism carried by the supporting frame and including an endless belt and supporting shafts therefor, a second depending U-shaped frame carried by the supporting frame, side bars carried by the terminals of the second U-shaped frame, a rotatable shaft carried by the side bars, arcuate penetrating teeth carried by the shaft and extending radially

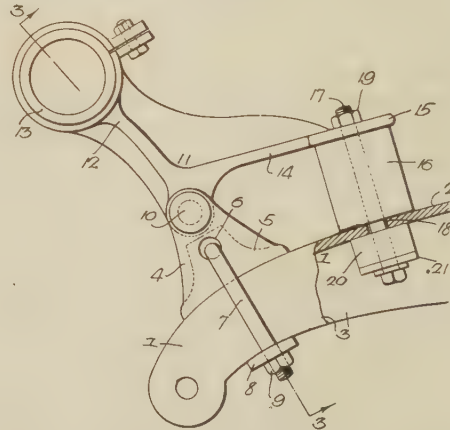
therefrom, said shaft being arranged intermediate the pulling bars and the conveyor belt, and means for operatively connecting the ground wheels with the conveyor belt supporting shafts and with the rotatable shaft carried by the side bars.

1,462,909. ROTARY NOZZLE BRUSH. STANLEY F. GULBA, Shamokin, Pa. Filed Sept. 27, 1922. Serial No. 590,936. 3 Claims. (Cl. 15-23.)



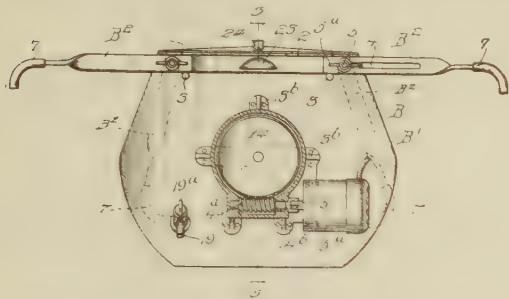
1. In a rotary brush, the combination of an ellipsoidal casing having a passage therethrough, said casing constituting two separable halves, and said passage occurring in only one of said halves and comprising two channels passing around an abutment, a water wheel disposed in each of said channels, a shaft joining said wheels, a shaft extending transversely of the said shaft and adapted to support a brush, gearing between said shafts, and the other of said halves having cavities therein for partially receiving said shafts and wheels.

1,462,910. BUMPER FOR AUTOMOBILES. GEORGE HAINLEN, Philadelphia, Pa. Filed Feb. 14, 1923. Serial No. 618,975. 4 Claims. (Cl. 293-55.)



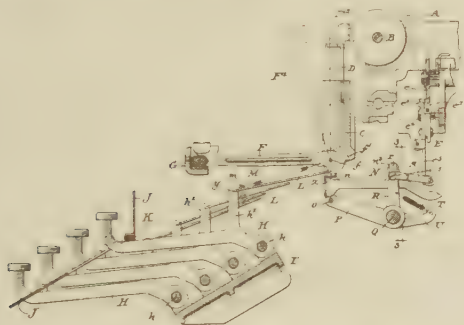
1. The combination of a side frame of an automobile; a bearing mounted on said frame; a bell crank lever pivotally mounted in the bearing; a bumper bar carried by one arm of said lever; and a spring located between the other arm of the lever and the upper surface of the frame.

- 1,462,911. WASHING MACHINE. ADOLF K. HANSON, Chicago, Ill. Filed Aug. 31, 1920. Serial No. 407,239. 1 Claim. (Cl. 68—18.)



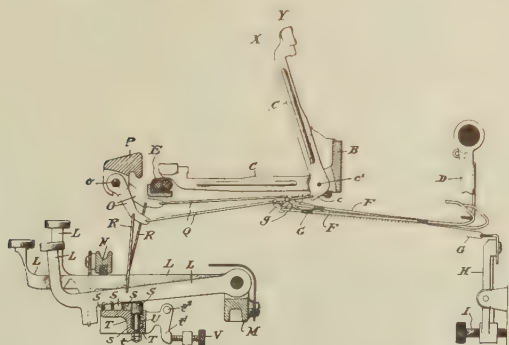
In means of the character set forth, the combination of a casing, two pairs of foldably mounted arms connected with the top of said casing and adapted to support the casing in a bath-tub, one of said pairs being laterally adjustable, a rotary member mounted in the casing, and actuating mechanism for said member mounted on one end of said casing.

- 1,462,912. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 17, 1921. Serial No. 515,842. 6 Claims. (Cl. 197—30.)



1. In a typewriting machine the combination of key levers of the second order having upwardly extending arms, type bars, links of different lengths connecting the type bars with the upwardly projecting arms of the key levers, and springs of the same length connected with the type bars in front of their pivots and with the links behind the arms of the key levers.

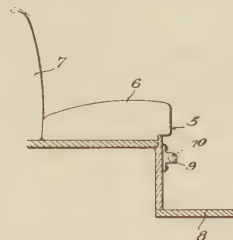
- 1,462,913. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed July 15, 1922. Serial No. 575,153. 5 Claims. (Cl. 197—183.)



2. In a typewriting machine the combination of a type action comprising a train of positive connections

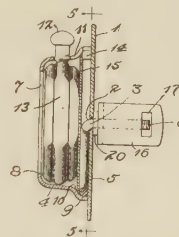
between the key lever and the type bar, a spring pressed plunger underlying the key lever which at first retards the downward movement of the key lever and finally stops it before the type bar has reached the platen, and a movable support in which said plunger is mounted.

- 1,462,914. VEHICLE HANDHOLD. THEODORE K. JACKSON, Mobile, Ala. Filed Aug. 14, 1920. Serial No. 403,601. 1 Claim. (Cl. 280—150.)



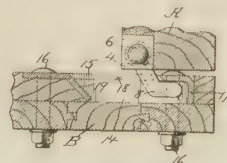
In a vehicle, the combination, with a seat, of a handhold extending transversely of the vehicle on the front portion of the seat-structure below the occupant-bearing portion thereof arranged to be grasped by a person on the seat when inclining forwardly whereby he may prevent himself from being thrown upwardly.

- 1,462,915. TIMEPIECE HOLDER. GEORGE STEELE LOWNDES, Jr., Atlanta, Ga., assignor of one-half to T. T. Flagler, Atlanta, Ga. Filed Nov. 30, 1921. Serial No. 518,890. 7 Claims. (Cl. 58—56.)



2. The combination of a casing adapted to inclose a time piece with its face exposed, and a resilient plate supported by its edge within said casing and adapted to bear against the back of the time piece.

- 1,462,916. LOCK FOR FREIGHT-CAR DOORS. FRED MATHEWS, Chicago, Ill. Filed Mar. 1, 1922. Serial No. 540,146. 10 Claims. (Cl. 292—219.)

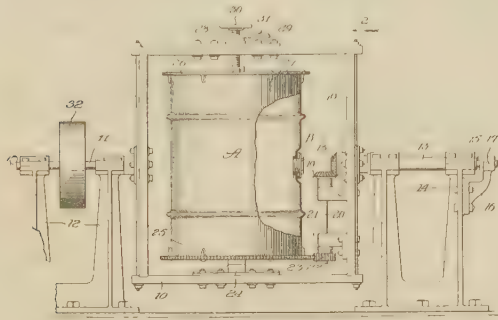


1. The combination with the frame of a doorway and a lock secured in a vertical member thereof, of a sliding door for closing the doorway and a counterpart for said lock in its inner surface out of which the lock is kept by said door when the latter is opened, and which interlocks therewith when the door is closed.

- 1,462,917. BARREL-WASHING MACHINE. JOHN H. MILLER, Chicago, Ill. Filed Dec. 17, 1921. Serial No. 522,975. 4 Claims. (Cl. 141—6.)

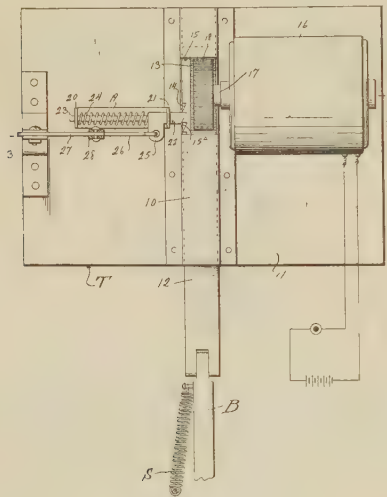
1. A barrel washing machine comprising a frame, aligned trunnions at the sides of said frame, means for

releasably supporting a barrel in said frame with its axis at right angles to said trunnions, means for turn-



ing said frame about its trunnions and means operating through one of said trunnions for simultaneously rotating said barrel about its own axis.

1,462,918. AUTOMOBILE BRAKE. CHARLES E. NORTON, Loveland, Colo., assignor of one-half to Harry P. Norton, Loveland, Colo. Filed Jan. 23, 1922. Serial No. 531,258. 1 Claim. (Cl. 188—162.)

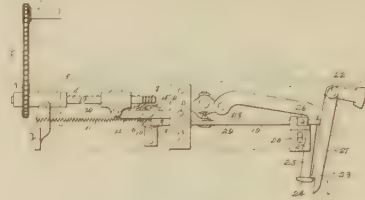


In a brake operating mechanism, a brake rod, means normally urging the brake rod in one direction, means for moving the brake rod in the opposite direction including a bar provided with a ratchet rack, a plate having spaced ears, a bolt slidably mounted in the ears of said plate and provided intermediate the ears with an enlargement, a spring extending intermediate the enlargement of the bolt and one of said ears and urging said bolt into engagement with said ratchet rack, a pivoted bell crank, a line connection between one arm of said bell crank and the enlargement of said bolt, and a depressible foot pedal including a stud pivotally connected to the other arm of said bell crank.

1,462,919. BUNCH BUILDER. FRANK K. PETREA and WILL J. JORDAN, Columbus, Ga. Filed Dec. 15, 1921. Serial No. 522,587. 6 Claims. (Cl. 242—43.7.)

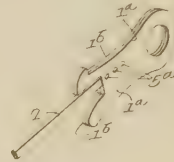
1. In a bunch builder for bobbin winding machines, the combination with the fulcrum shaft lever of said machine, of a trip-lever for holding said fulcrum shaft lever during the bunch building period, and means for actuating said trip-lever to release the fulcrum shaft

lever, said means embodying a worm shaft driven by an element of the winding machine, a trip-wheel driven by



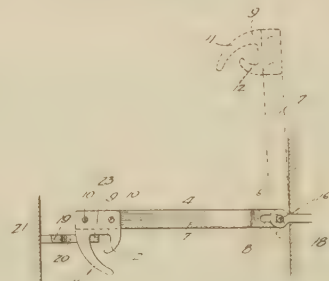
said worm shaft, and a slidable tripping member adapted to throw said trip lever and operated by said trip wheel at a predetermined point in the rotation thereof.

1,462,920. WIRE HEAD FOR LOOMS. OLIVER J. PICKARD and FRED PICKARD, Philadelphia, Pa., assignors to Joseph Pickard's Sons, Philadelphia, Pa., a Firm consisting of Oliver J. Pickard and Fred Pickard. Filed Feb. 21, 1922. Serial No. 538,269. 4 Claims. (Cl. 139—44.)



3. A wire head comprising a body portion having therein a groove for the reception of a pile wire, and an element adapted to overlie the groove and having a perforation registering with the groove and affording a passage for a flow of solder against the side of the pile wire, substantially as described.

1,462,921. COUPLER DEVICE. FRANK J. REICHMANN, Chicago, Ill. Filed Jan. 24, 1921. Serial No. 439,442. 3 Claims. (Cl. 280—33.44.)



1. A coupler device formed at one end with a depending portion and a portion in the rear of said first-referred-to portion between which a recess is presented, said recess opening through the bottom of the coupler device and at which portion the device is adapted to receive a keeper, the opposed surfaces of said portions being generally upwardly divergent and the lower end of one of said portions extending below the lower extremity of the other of said portions and extending across and beyond the vertical plane occupied by the inner surface of the latter.

1,462,922. FURNACE ATTACHMENT. GEORGE F. SEITZ, Philadelphia, Pa. Filed May 15, 1920. Serial No. 381,691. 4 Claims. (Cl. 110—60.)

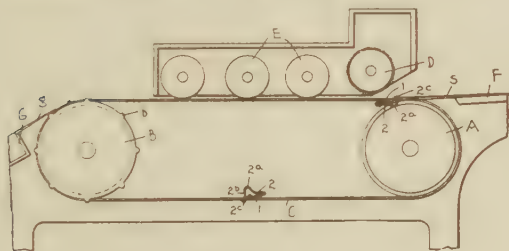
1. A furnace attachment comprising a casing located within a furnace in position to be heated by fire therein, a pipe leading from the outside of the furnace into said

casing, means for feeding water into said pipe, a pipe leading from said casing, a mixing nozzle carried by said second named pipe, an air inlet pipe leading from



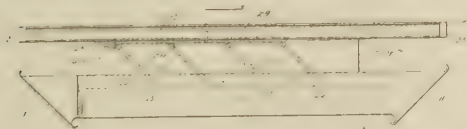
the outside of the furnace to said mixing nozzle, and a perforated discharge nozzle connected with said mixing nozzle and located immediately above the bed of fire.

1,462,923. SHEET GRIPPER. FRANK C. STEVENS, Cohasset, Mass., assignor to United Printing Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed July 2, 1921. Serial No. 482,166. 15 Claims. (Cl. 271-75.)



1. A gripper for the purpose specified comprising a supporting member adapted to be detachably attached to the belt, and a spring member extending from the free end of the supporting member and having a bend and a portion extending from the bend through an opening in the belt provided with a sheet engaging part, substantially as described.

1,462,924. VENTILATOR. GROVER C. WALKER, Chicago, Ill. Filed Nov. 26, 1921. Serial No. 517,850. 4 Claims. (Cl. 98-22.)



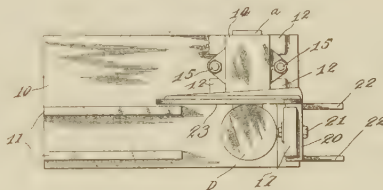
4. A ventilator of the character described including a tubular duct having flaring open ends and having a longitudinally extending opening at its rear wall, a rectangular casing extending from said opening and engaged with the rear wall, a hollow supporting frame through which the outer end of said casing extends and to which it is connected, a series of pivotally supported shutters mounted within said casing, and means for coincidently adjusting the shutters, the supporting frame having parallel, downwardly extending flanges on its lower edge adapted to receive a window between them.

1,462,925. SPRING BINDER POST. WILLIAM WILBURGER, Brooklyn, N. Y. Filed Dec. 12, 1921. Serial No. 521,782. 2 Claims. (Cl. 129-13.)



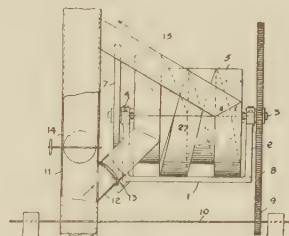
1. A binder post of the character described formed of a single piece of coiled wire having one end portion of reduced diameter, and a cap having an internally threaded socket to screw over said reduced end of said shank.

1,462,926. CONNECTING-ROD AND PISTON ALIGNING MACHINE. JULIUS C. WILKIE, Winona, Minn. Filed June 7, 1922. Serial No. 566,652. 3 Claims. (Cl. 33-180.)



1. In combination, a base, a pair of straight edges thereon, said straight edges being disposed in the same plane, a shaft saddle on the base, a post extending from said base adjacent said saddle perpendicularly to the plane of said straight edges, a slide adjustably mounted on said post, a pair of projecting straight edges carried by said slide, said projecting straight edges being in a plane parallel to the plane of the straight edges on the base.

1,462,927. DRAFT MOTOR. JOHN YATES, San Francisco, Calif. Filed June 6, 1921. Serial No. 475,223. 2 Claims. (Cl. 253-38.)

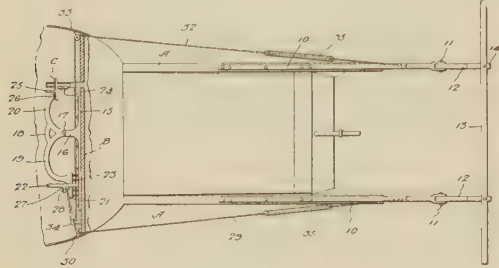


1. The combination with an outlet flue, of a casing remote from the flue, an intake pipe leading off from the flue to the casing, an outlet pipe leading from the casing back to a point in the flue above the casing, a rotor in the casing, and a helical conduit extending around and communicating at spaced points between its ends with the exterior of the casing and at its ends with the intake and outlet pipes respectively.

1,462,928. SAFETY FENDER FOR AUTOMOBILES. JOSEPH E. AMADOR, New York, N. Y. Filed Oct. 17, 1921. Serial No. 508,182. 2 Claims. (Cl. 180-83.)

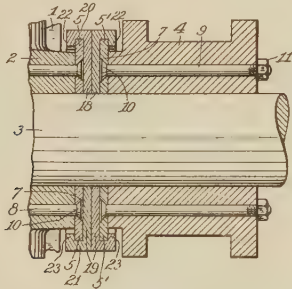
1. A safety device for motor vehicles comprising the combination with the brake setting pedal, of an anvil member carried by the pedal, a hammer member pivoted intermediate its ends and having one end engageable with said anvil, springs engaging the other end of the

hammer for urging the first mentioned end forcibly against the anvil, a slotted guide for the second mentioned end of the hammer, a catch device pivotally



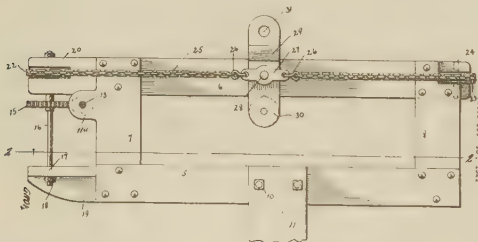
mounted on said guide and engaging behind the second named arm of the hammer device, and collision released means for withdrawing said catch device from engagement with the hammer.

1,462,929. SECTIONAL JOURNAL BOX AND HUB LINER. CHARLES N. BARTON, Indianapolis, Ind., assignor of one-fourth to Fred N. Reynolds, one-fourth to Fred K. Murphy, one-twelfth to Martha E. Davis, and one-twelfth to May E. Reynolds, all of Indianapolis, Ind., and one-twelfth to Evelyn M. Dinnin, New York, N. Y. Filed July 5, 1921. Serial No. 482,514. 9 Claims. (Cl. 64—25.)



5. In a sectional journal box and hub liner, the combination of a wheel hub having a circumferential guide rib on an end thereof, the rib having lock shoulders thereon, and a plurality of segmental liner sections covering the end of the hub and having lateral rim portions embracing the rib, the rim portions being provided with lips engaging the back of the rib and provided also with lugs engaging the lock shoulders on the rib to secure the sections to the wheel hub.

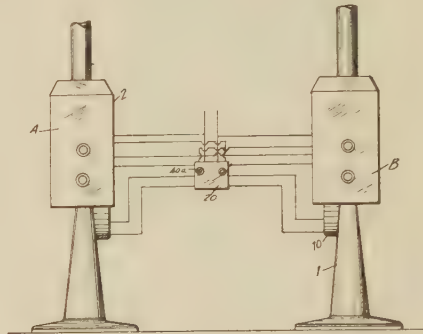
1,462,930. TRACTOR HITCH. GROVER E. BOLLMAN, Sugarcreek, Ohio. Filed Oct. 13, 1921. Serial No. 507,537. 1 Claim. (Cl. 280—33.10.)



A tractor hitch comprising a frame having front and rear transverse bars and end connecting members secured thereto, a bifurcated hitch straddling said rear bar and provided with a bearing roller, a longitudinally rotatable shaft and worm gearing for operating the same disposed at one side of the frame, a sprocket mounted on said shaft and rotatable in a recess formed in the end of

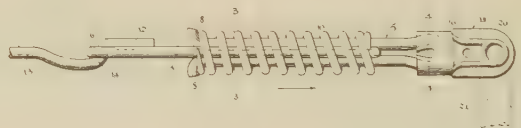
the rear transverse bar, a second sprocket rotatable in a recess in the opposite end of said bar, a sprocket chain trained over said sprockets and connected to the hitch member and a vertical shaft for operating said worm gearing whereby the hitch may be moved to various adjusted positions.

1,462,931. CONTROL MECHANISM FOR MOTION-PICTURE-PROJECTING MACHINES. NORMAN T. BURGESS, Santa Ana, Calif. Filed Dec. 22, 1920. Serial No. 432,611. 4 Claims. (Cl. 88—17.)



1. A motion picture projecting apparatus comprising projecting machines arranged to alternately function, each machine including a rotatable reel having a film strip wound thereon, an electric motor for said reel, electric lighting for said machine, a main switch adapted to close the light and motor circuits for one machine and open said circuits for the other machine, an electric circuit for each machine controlling said main switch, a switch for each of said circuits closed when the film strip of the machine with which it is associated has been unwound from its reel, whereby the main switch is thrown to stop said machine and start the other machine.

1,462,932. BRAKE-ROD ATTACHMENT. JOHN WESLEY CONNELL and JOHN ARMSTRONG, Centralia, Wash. Filed Dec. 15, 1921. Serial No. 522,561. 1 Claim. (Cl. 74—48.)

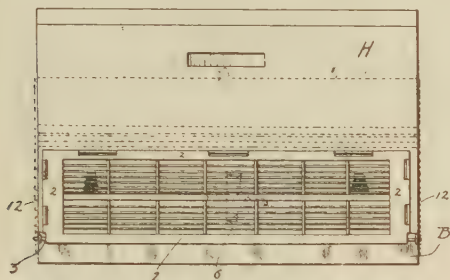


The combination of a pair of overlapped slidably connected sections, each of which consists of a length of metal bent intermediate its ends to provide a loop and a pair of spaced parallel side rods, the terminal portions of each pair of side rods being extended laterally to form stops, a coiled spring confined between said stops, all of said side rods being received within said coiled spring and held in position thereby, a head having a socket receiving one of said loops, said head being provided with means whereby the same may be connected to a brake operating mechanism, and a link having an offset portion extending through the loop at one end of one of the sections, said offset portion and said head being in the line of said laterally projecting stops to limit the sliding movement of the same.

1,462,933. COLLAPSIBLE QUEEN AND DRONE TRAP. JOHN B. COTTAM, Montecito, Calif. Filed July 21, 1922. Serial No. 576,575. 12 Claims. (Cl. 6—9.)

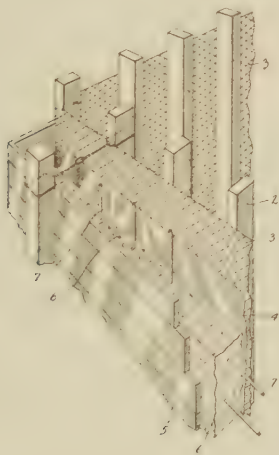
1. A queen and drone trap comprising a plurality of collapsible sections adapted to be erected in cage forming position and applicable to the front of a beehive to cover the opening thereof.

8. A queen and drone trap comprising a plurality of collapsible sections adapted to be erected in cage forming position and applicable to the front of a bee-hive to cover the opening thereof, and queen holding cells in said trap.



11. A collapsible bee trap comprising a front foraminous panel structure, a top section foldably connected to said structure, a back section foldably connected to the top section, and a floor section foldably connected to the back section and adapted to be folded into co-operative relation to the front structure to provide a separate trapping chamber for queen and drone bees, and end panels for the trap and being hingedly connected to associated elements thereof.

1,462,934. WALL AND METHOD OF MAKING SAME. JOHN SIMON FLUOR, Santa Ana, Calif. Filed Oct. 26, 1922. Serial No. 597,057. 3 Claims. (Cl. 25-131.)

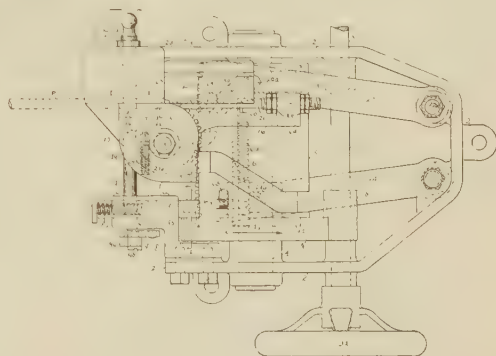


1. The method of building a concrete structure which consists of setting a framework and applying to this a wire fabric and on this supporting a substantially impervious mold side forming paper sheeting, erecting in spaced relation to the said paper sheeting means a temporary concrete mold member, and filling the mold chamber with concrete and permitting the same to set after which the temporary mold work is removed.

1,462,935. MACHINE FOR BENDING PIPE. CARL GABRIELSON, Syracuse, N. Y., assignor to Newell Manufacturing Company, Ogdensburg, N. Y., a Corporation of Maine. Filed June 21, 1922. Serial No. 569,901. 13 Claims. (Cl. 153-46.)

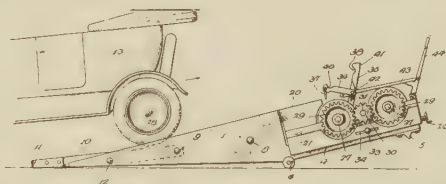
1. In a pipe bending machine, a stationary die, a locking die movable towards and away from the stationary die, a shaft for supporting the locking die, a

bending die rotatable on an axis that is eccentric to the axis of the locking-die shaft, gears for intermittently ro-



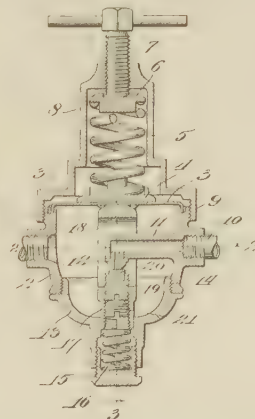
tating said shaft for first locking and then releasing a pipe, and a train of gears for rotating said bending die while the locking die is held stationary.

1,462,936. MEANS FOR UTILIZING POWER OF AUTOMOBILES. LORAN J. GOULD, Acme, Wash. Filed Dec. 6, 1922. Serial No. 605,281. 5 Claims. (Cl. 74-106.)



1. In an apparatus for the purpose set forth, the combination of parallel spaced runways, means carried by the rear ends of the runways for transmitting motion, a tongue pivotally mounted between the runways and adapted to be secured fixedly thereto or to depend therefrom whereby to support the runways in an elevated position, and a chock block engageable between the tongue and the runways whereby to lock the runways in the elevated position.

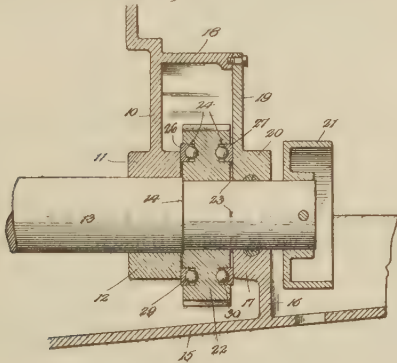
1,462,937. PRESSURE-REGULATING VALVE. BIRCHARD E. HOLTON, Los Angeles, Calif. Filed Apr. 15, 1922. Serial No. 552,952. 1 Claim. (Cl. 50-23.)



An automatic pressure regulating device including a shell, a spring pressed diaphragm therein, a frame secured to the diaphragm, said shell having an end portion forming an elongated bearing part, said frame having a hol-

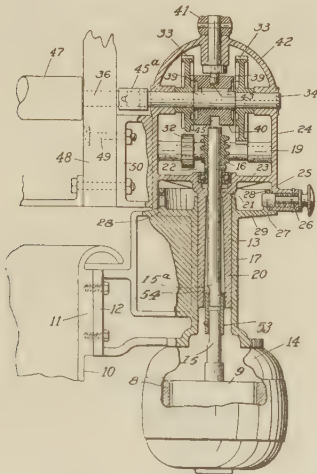
low stem operatively fitting said bearing and being prevented thereby from having side play; a bushing plug adjustably mounted in the said bearing part, a spring engaging the near end of said stem and the bushing, a valve plug adjustably threaded in said stem, and a lock plug in the stem, and a port member engaged by the valve plug.

1,462,938. COMBINED GEAR AND THRUST BEARING. FLOYD E. KNAPP, Allerton, Iowa. Filed Mar. 26, 1921. Serial No. 455,792. 2 Claims. (Cl. 64—49.)



2. The combination with an engine crank shaft and spaced elements surrounding the shaft and having confronting parallel faces at a right angle to the axis of the shaft, one of said elements constituting a bearing and the other a gland for said shaft, of a timing gear mounted upon the shaft between said elements, anti-friction devices at opposite sides of the gear, and thrust rings bearing between said anti-friction devices and said elements centering the gear between the elements and having flat faces resting against said first mentioned faces directly sustaining and thrust upon the shaft in opposite directions.

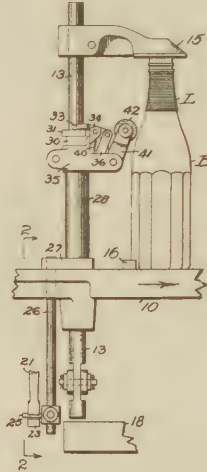
1,462,939. WRINGER AND MOTOR SUPPORT FOR WASHING MACHINES. NATHANIEL LOMBARD, Worcester, Mass., assignor to The Lombard-White Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 27, 1920. Serial No. 433,314. 2 Claims. (Cl. 74—101.)



1. In a device of the character described, the combination of a bracket adapted to be applied to a washing machine or the like, having a vertical bearing, a casing located above the bearing and having a downwardly projecting sleeve of circular cross-section with a long bearing surface, a vertical shaft extending up through the center

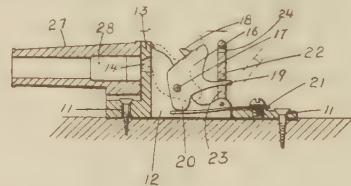
of said sleeve and into the casing, said shaft being in two parts separable by raising the upper one, the lower part of said shaft having a motor armature mounted on and fixed to it, said bracket having the motor magnets fixed in position thereon and depending therefrom, and means in the casing operated by said shaft for transmitting power.

1,462,940. WIPING-DOWN DEVICE. CHARLES H. OSLUND, Worcester, Mass., assignor to The O & J Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 7, 1920. Serial No. 394,467. 8 Claims. (Cl. 216—13.)



2. In a labeling machine, the combination with means for wiping a label on an article, and lapping one end over the other, of a label pressing device, and means for moving said pressing device up and down along the overlapping end from one edge of the label to the other.

1,462,941. BURGLAR ALARM. ALPHONSE PELLETIER, Norwalk, Calif. Filed Oct. 6, 1921. Serial No. 505,704. 7 Claims. (Cl. 116—81.)

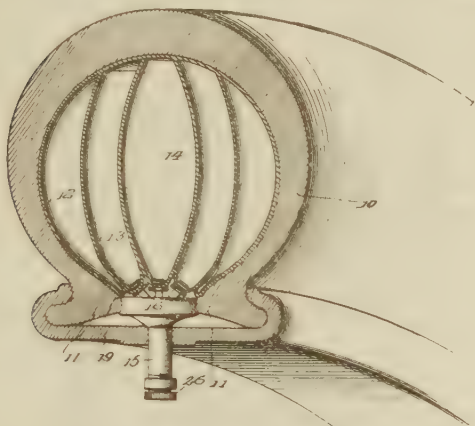


5. In a burglar alarm, a base plate, a plate projecting upwardly from said base plate, there being an opening formed in said upwardly projecting plate, a barrel pivotally connected to the base plate, and adapted to swing in a horizontal plane, the rear portion of said barrel being provided with a cartridge receiving chamber, the rear end of which communicates with the opening in the vertically disposed plate, a spring actuated hammer pivotally mounted on the base plate to the rear of the vertically disposed plate, which hammer is provided with a portion that is adapted to pass through the opening in said vertically disposed plate, a hammer retaining member pivotally mounted on the base plate for engaging and retaining said hammer in set position, and a flexible member connected to said hammer retaining member for moving the latter to releasing position.

1,462,942. PNEUMATIC TIRE. JOSEPH A. ROGERS, New York, N. Y. Filed Oct. 11, 1920. Serial No. 416,161. Renewed Feb. 12, 1923. 2 Claims. (Cl. 152—22.)

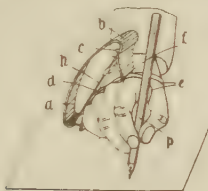
2. An inner tube including an endless tubular casing of elastic material, a plurality of circumferential partitions located therein defining a plurality of compartments, an

inflating device including a cylindrical casing, a disc formed at one end of said casing having an annular groove to be received between the clincher beads of a tire casing,



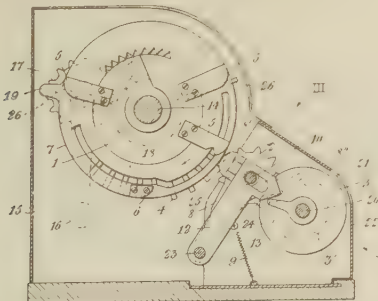
said inflating device having a plurality of longitudinal channels therein, a tube formed integrally with the disc and communicating with each channel, and a spring press valve in each channel controlling the passage thereof.

1,462,943. BLOTING APPLIANCE. HENRY ROTTENBURG, Cambridge, England. Filed Apr. 14, 1922. Serial No. 552,567. 3 Claims. (Cl. 120—25.)



3. A blotting appliance comprising a support for blotting material, said support having a concavely shaped inner surface, and means for securing said appliance with its concavely shaped inner surface bearing upon the back of a person's hand, said means comprising a band adapted to pass around the hand of the wearer, one part of said band being fixed to said appliance, a slider and means for supporting the same upon said appliance, means of connection between said slider and another part of said band, and means for adjustably positioning said slider whereby the band may be released or tightened as occasion may require.

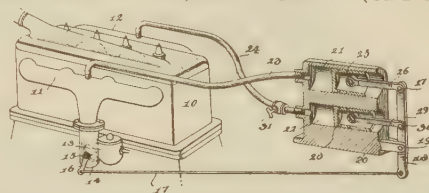
1,462,944. CALCULATING MACHINE. KARL VIKTOR RUDIN, Stockholm, Sweden. Filed Mar. 26, 1918. Serial No. 224,822. 6 Claims. (Cl. 235—73.)



1. In a calculating machine, the combination with a setting mechanism including setting discs having shoulders, intermediate gear wheels and a registering mechanism, of

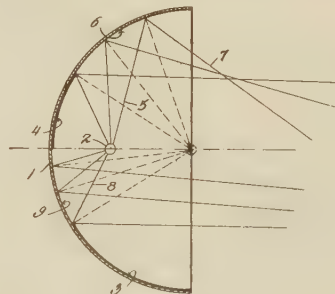
locking members arranged to be actuated by said shoulders mounted on the setting discs and at predetermined times to lock the registering mechanism, said locking members being arranged by the side of the intermediate gear wheels in such a manner that the locking members and the intermediate gear wheels have an approximate common point of contact with the registering mechanism.

1,462,945. AUTOMATIC CARBURETOR CONTROL. WALTER J. SPIRO, White Plains, N. Y. Filed Sept. 22, 1922. Serial No. 589,868. 10 Claims. (Cl. 123—107.)



1. In a carburetor control, an engine provided with intake and exhaust manifolds, a fuel feed controlling device communicating with the intake manifold, and suction and pressure operated mechanism communicating with the intake and exhaust manifolds and connected to actuate said device.

1,462,946. ANTIGLARE DEVICE. CLARENCE STEPHENS, Clay City, Ind. Filed Dec. 28, 1921. Serial No. 525,429. 3 Claims. (Cl. 240—41.)



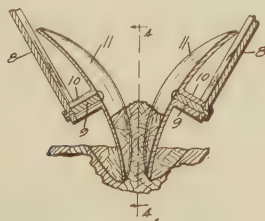
1. A lamp reflector comprising a concave inner face having an inner circular zone and an annular outer zone, the inner circular zone having a non-reflecting surface formed in the upper half thereof, and the outer annular zone having a non-reflecting surface formed in the lower half thereof.

1,462,947. FLOWER HOLDER. WILLIAM R. STUCK, Los Angeles, Calif., assignor, by mesne assignments, to The Dazey Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 21, 1922. Serial No. 530,804. 4 Claims. (Cl. 47—18.)



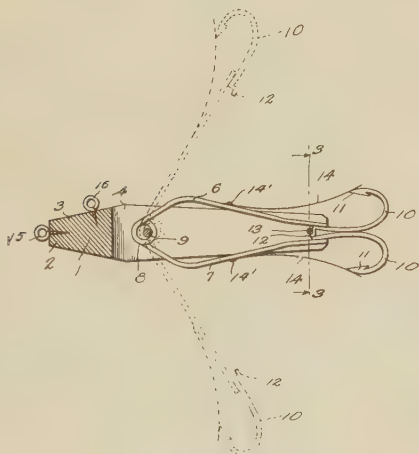
1. The combination with a container provided with internally arranged ledges, one of which occupies a plane a short distance above the bottom of the container, of reticulated members positioned upon said ledges.

1,462,948. BEET PULLER. OSCAR A. THOMAS, Oxnard, Calif. Filed Feb. 3, 1921. Serial No. 442,209. 1 Claim. (Cl. 55—106.)



A device for pulling beets and the like comprising dished rotating discs having their convex surfaces facing toward one another and converging rearwardly, said convex surfaces also converging downwardly at their upper portions and then diverging at the lower portions of the peripheries of said discs.

1,462,949. ARTIFICIAL BAIT. HAROLD H. WALLS, Jackson, Mich. Filed Dec. 23, 1919. Serial No. 346,868. 2 Claims. (Cl. 43—35.)

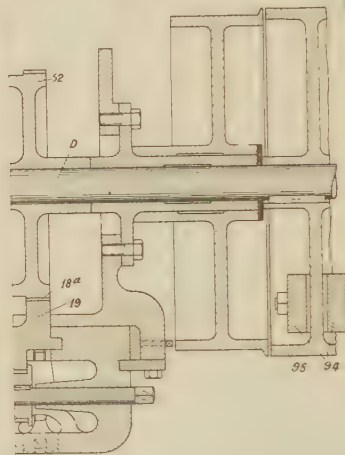
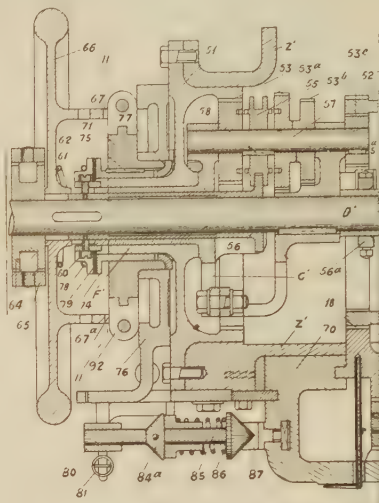


2. A fish decoy comprising a decoy body having a single catch bar, a spring member having limited sliding movement longitudinally of the said body and flexed to provide oppositely disposed hook bearing arms, and a hook member attached to each arm adjacent its inner end, said hook member having its inner end offset to provide a catch member for engaging over the said catch bar, when the said longitudinal adjustable member is moved inwardly of the bar, said arms being tensioned to disengage the bar and spring laterally from the body when the spring member is moved outwardly therefrom.

1,462,950. PLANETARY GEARING. EMILE JOHN WELFFENS, Withington, Manchester, England. Filed July 3, 1922. Serial No. 572,705. 12 Claims. (Cl. 74—34.)

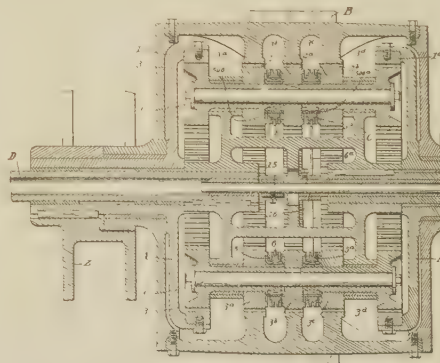
1. Planetary gearing, comprising a drive shaft, a stationary orbit wheel arranged on the drive shaft, a rotary member mounted on and actuated by the drive shaft, a rotary driven element loose on the drive shaft, a set of planetary pinions carried by the rotary member, certain

of the pinions meshing with the orbit wheel and the driven element, a second set of planetary pinions meshing with pinions of the first set, and planetary clutch



mechanism for controlling the pinions to vary the speed and change the direction of rotation of the driven element.

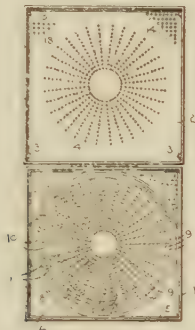
1,462,951. PLANETARY GEARING. EMILE JOHN WELFFENS, Manchester, England. Original application filed July 3, 1922, Serial No. 572,705. Divided and this application filed Mar. 27, 1923. Serial No. 628,124. 9 Claims. (Cl. 74—34.)



1. Planetary gearing comprising a stationary wheel, a drive shaft, a rotary element mounted on the drive

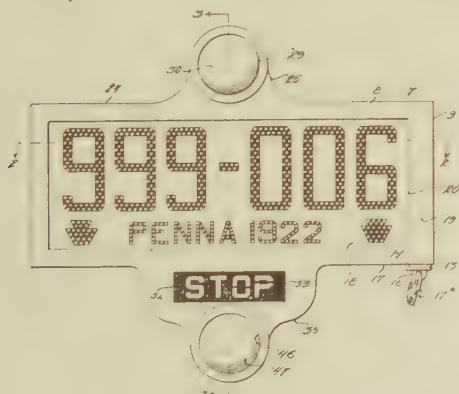
shaft, a planetary pinion meshing with the stationary wheel and having a spindle mounted on the rotary element, spaced planetary pinions carried by the spindle, a wheel housing the said parts and having gear elements meshing with the pinions of the spindle, and planetary clutch mechanism for connecting the pinions of the spindle with the first mentioned pinion.

1,462,952. LAUNDRY RECORDER. HERBERT T. WHALER and WILLIAM A. BRYANT, Miami, Fla. Filed Aug. 18, 1922. Serial No. 582,687. 5 Claims. (Cl. 234—1.)



1. In a recorder of the class described, a plurality of duplicate slips having spaces printed with indicia representing articles and numerals to designate the number of the article, and a holder for the duplicate slips provided with perforations adapted to aline with the numerals on the slips, whereby the slips may be similarly punched or mutilated when a hard pointed instrument is forced through the slips and into a perforation in the holder opposite a certain numeral.

1,462,953. COMBINED SIGNAL AND LICENSE DISPLAY DEVICE. FLOYD BISCH, Philadelphia, Pa. Filed Jan. 26, 1922. Serial No. 531,832. 6 Claims. (Cl. 40—132.)

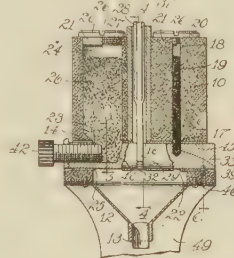


3. A device of the character described including a box portion having a viewing aperture; integral extensions on the top and bottom of said box portion provided with lenses and a lamp in rear of each lens; and a partition detachably secured between one of said extensions and said box portion, said partition being arranged in position to be reached through said viewing aperture.

1,462,954. ALLOY AND MERCURY DISPENSER. IRA A. BURNETT, Chicago, Ill. Filed Dec. 23, 1921. Serial No. 524,440. 2 Claims. (Cl. 221—96.)

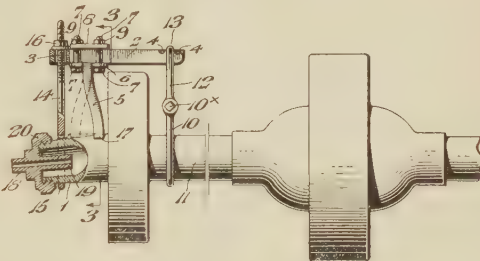
1. In a device of the class described, the combination with a body having a plurality of longitudinally disposed compartments therein and a guideway between

a pair of said compartments, said body also having a transversely disposed opening near one of its ends, the said opening having communication with the said compartments and provided with outlet openings, a valve rotatably mounted in said transverse opening and having a plurality of chambers adapted for alternate com-



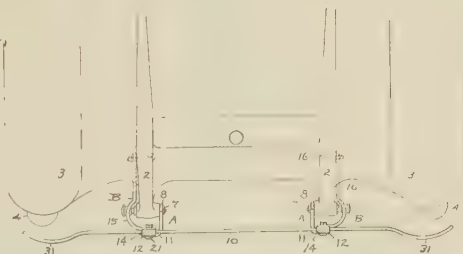
munication with said compartments and said outlet openings, radially disposed spaced teeth on the valve in register with said guideway, a spring actuated rack bar mounted in said guideway in engagement with the teeth of the valve and having an extension projecting through the guideway.

1,462,955. DEVICE FOR STRAIGHTENING BENT OR IRREGULAR AXLE HOUSINGS. DAVID CAMP, Cumberland County, N. J. Filed Mar. 6, 1922. Serial No. 541,294. 3 Claims. (Cl. 153—38.)



1. In a straightening device of the character stated, a beam having on opposite end portions respectively an anchor and a straightening member, and an intermediate strut, one end of the latter being adapted to be seated on the article to be straightened, and the other end thereof being provided with a T-head adapted to be seated on said beam, said head having lateral extensions projected beyond the opposite sides of said beam, a plate adapted to be placed on said beam opposite to said head, said plate having lateral extensions projected beyond the opposite sides of said beam, and tightening bolts adapted to be passed through the extensions of said plate and head exterior of said beam.

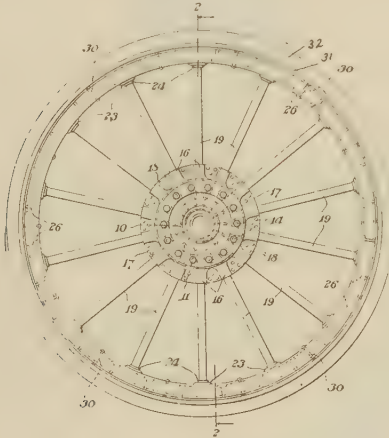
1,462,956. AUTOMOBILE SHIELD. WILLIAM G. COX, Cleveland, Ohio, assignor to Cox Brass Manufacturing Company, Albany, N. Y., a Corporation of New York. Filed Jan. 2, 1923. Serial No. 610,155. 14 Claims. (Cl. 293—55.)



14. A bumper-clamp for an automobile comprising a pair of separable members, one having a transverse clamping face for the front side and the other a correspond-

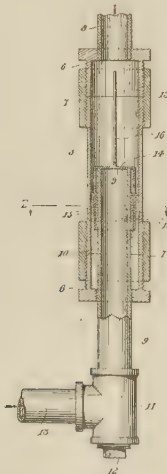
ing clamping face for the rear side of a plural number of transverse bumper bars and each member having a longitudinal clamping face for engaging the automobile frame.

1,462,957. METAL WHEEL. LEWIS FINE, Philadelphia, Pa., assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 30, 1919. Serial No. 320,865. 9 Claims. (Cl. 301—66.)



9. In a wheel the combination with a hub, a plurality of spokes radiating therefrom, and a metal channel mounted on the ends of said spokes and constituting a felloe, the edges of the side walls of said channel being turned laterally towards each other, of a plurality of T-bars seated on the base of said channel with their webs extending radially, said webs being notched at their ends to receive the inturned edges of said channel wall, and a felloe-band seated on the webs of said T-bars and said inturned edges.

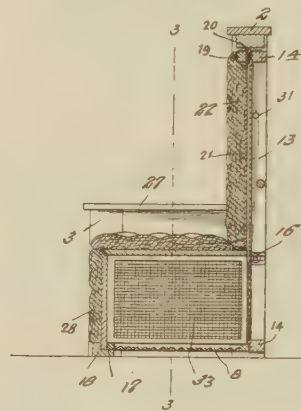
1,462,958. GAS-PRESSURE REGULATOR. ROBERT GILMOUR and ERNEST E. COOK, Pawtucket, R. I. Filed Mar. 30, 1922. Serial No. 548,252. 3 Claims. (Cl. 50—28.)



1. A gas regulator of the type described comprising an elongated hollow casing having an axial relatively smaller outlet pipe at one end and a similar inlet pipe at the other end, said inlet pipe projecting into the casing axially of the latter for a distance, an inverted cup shaped member loosely fitted in the casing with its side walls in spaced relation to and surrounding the inwardly

projecting end of the inlet pipe and including an upper wall member normally adapted to rest upon the upper end of the inlet pipe within the casing, said side walls of the inverted cup shaped member being provided with a series of horizontal rows of perforations and the upper wall of the same being imperforate and said casing having a body of liquid therein of a depth to extend above the highest row of perforations in the inverted cup member when the latter is normally positioned, said casing comprising a pipe section externally threaded at each end, bushings of similar diameter each having an end edge abutting an end edge of the pipe section and being externally threaded, and internally threaded coupling sleeves connecting the bushing to the pipe section with the joints between the bushings and the pipe sections air tight, said inlet and outlet pipes being threaded centrally through the bushings.

1,462,959. CONVERTIBLE CHAIR. BOYD W. GOEBEL, Jonesville, S. C. Filed Sept. 13, 1922. Serial No. 588,027. 2 Claims. (Cl. 155—45.)

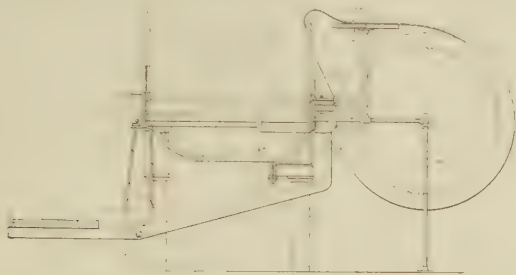


1. A convertible chair comprising a main frame formed of vertical rear posts and vertical front posts of less height than said rear posts, arm rests between said rear and front posts respectively, side panels between said rear and front posts and below said arm rests, a movable receptacle within the space between said panels and designed to form a receptacle for bed clothing, a frame connected to the rear of said receptacle and comprising vertical side bars lying parallel with said rear posts respectively, cross bars connected with said vertical bars, trunnions projecting outwardly from said vertical side bars, guideways carried by the inner sides of said panels and receiving said trunnions whereby said frames and receptacle may be swung to provide a reclining chair and also swung to horizontal position and moved forwardly to provide a bed, such receptacle having a foraminous bottom wall and foraminous side walls and also a foraminous screen carried by each said foraminous side wall respectively and cooperating therewith and with the bottom wall to provide a screened hood for said bed.

1,462,960. MACHINE FOR APPLYING BOX STRAPS. ARTHUR G. G. GUENTHER, Chicago, Ill., assignor to Signode System Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 5, 1920. Serial No. 371,264. 20 Claims. (Cl. 100—15.)

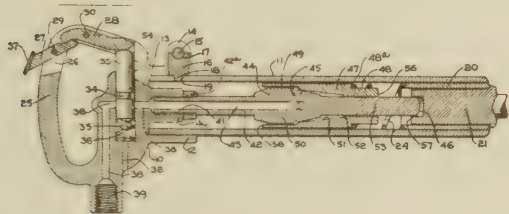
20. A strapping appliance for facilitating the application of tensional banding material to boxes and packages, comprising a roller trackway along which boxes or packages may be trundled, a channel guide for banding material arranged to pass under a box or package on said trackway and to direct banding material, fed endwise into said guide, around the box or package, said guide having two sides normally spaced apart sufficiently

to permit the box or package to pass between them and having a telescoping bottom section, whereby the said sides may move toward and away from each other, without interfering with the continuity of the path for band-



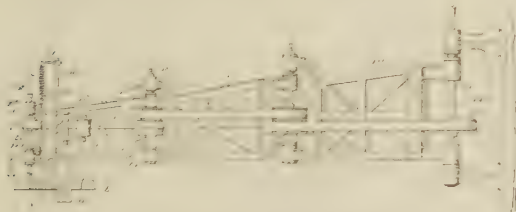
ing material established by the guide, a treadle and connections for causing the two sides of said guide to move together to contact with and exert pressure on two sides of the box or package, and resilient means causing said two sides to recover their normal position.

1,462,961. VALVELESS AIR HAMMER. JOSEPH E. HAGSTROM, Chicago, Ill. Filed Feb. 2, 1920. Serial No. 355,807. 24 Claims. (Cl. 121-17.)



1. In an air hammer, the combination of a barrel providing a tool mounting in its forward end, a rod fixed axially in the barrel and having thereon an enlargement with a forwardly coned face, the rod having an air passage therethrough with ports opening to its face, a cup-like piston guided within the barrel in advance of the enlargement, a spring forcing the piston rearwardly and means to control the air supply to the ports.

1,462,962. ROUTING MACHINE. THEODORE C. HANSEN, Chicago, Ill. Filed Apr. 10, 1922. Serial No. 551,303. 17 Claims. (Cl. 90-15.)

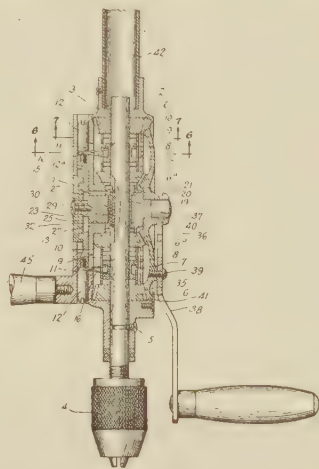


1. In a routing machine, the combination of a laterally-swinging pivoted arm, a vertical head at the forward end thereof, a vertically-movable head connected with said first-named head, cooperating guiding devices carried by said heads, respectively, a cutter-carrying spindle attached to said movable head, means for normally holding said movable head in raised position relatively to said first-named head and means supported by said arm for rotating said spindle.

1,462,963. TOOL. OSCAR D. HAPGOOD, Montague, Mass., assignor to Goodell-Pratt Company, Greenfield, Mass. Filed Sept. 15, 1922. Serial No. 588,304. 13 Claims. (Cl. 74-59.)

1. A tool, comprising, in combination, a frame, a spindle mounted for rotation in said frame, an operating handle mounted for rotation on the frame, gearing be-

tween said spindle and handle and adapted to be actuated by the handle for rotating the spindle at different speeds, and means adjustable in one operation for changing the



relative motion of the gearing and spindle thereby to impart to the spindle alternately a fast motion and a slow motion when the handle is rotated forward and backward respectively.

1,462,964. SEPARABLE FASTENER. ABRAHAM L. HESS, Hesston, Kans. Filed Jan. 8, 1923. Serial No. 611,287. 1 Claim. (Cl. 24-88.)



A garment hook adapted for the use with an eye, said hook formed from a single length of wire and having the usual body portion and bill, one of the free ends of said wire bent to form a coil with a transverse pin extending therefrom, the other end of said wire bent to provide a hook to receive the free end of the pin and then bent back to extend between and parallel to the members of the body portion and forming a central member, a hump formed in the free end of the central member at the entrance to the loop of the bill and extending in close proximity to the bill, the free end of the central member terminating at the outer ends of the members of the body portion.

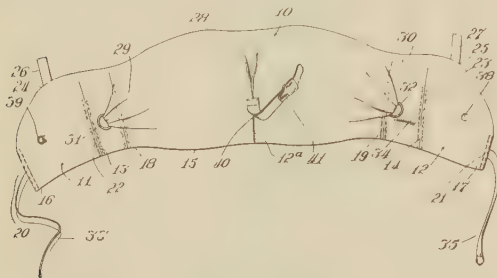
1,462,965. BALL BEARING. BENJAMIN W. HURD, San Francisco, Calif., assignor to Turbine Fuel Oil Burner Co., San Francisco, Calif., a Corporation of Nevada. Filed July 20, 1921. Serial No. 486,203. 3 Claims. (Cl. 64-58.)



2. The combination, in a ball bearing, of two duplicate discs of different diameters mounted on the inner race of an open side ball bearing, the opening between the outer diameters of the disc being less than the diameter of the balls in the bearing, and the opening between the

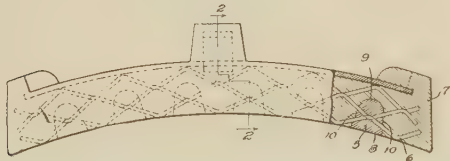
discs at their smallest diameter being greater than the balls, to allow free movement of the balls when they are in running position, in connection with an outer ball race and balls.

1,462,966. BRASSIÈRE. INEZ SCOTT JEROME, Chicago, Ill. Filed Apr. 21, 1921. Serial No. 463,247. 5 Claims. (Cl. 2-73.)



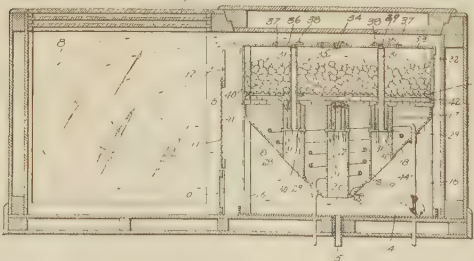
5. A brassière comprising in combination a front piece of woven fabric having integral rearwardly extending extensions, strings connected to the ends of said extensions, and means connecting said strings to the sides of the front piece located substantially under the arm pits of the wearer, said connections comprising loops through which the strings pass freely, the ends of the strings extending rearwardly and being secured together intermediate said loops.

1,462,967. BRAKE SHOE. HARRY JONES, Suffern, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del., a Corporation of Delaware. Filed May 6, 1920. Serial No. 379,199. 3 Claims. (Cl. 188-257.)



3. A brake shoe comprising a body having a plurality of elongated insert blocks or sections embedded transversely in the body and spaced apart longitudinally of the body, said inserts being substantially dome-shaped in cross section, and a plurality of reticulated metal strips embedded in said blocks or sections and in said body on edge to the wearing face of the shoe for holding the blocks or sections in the body.

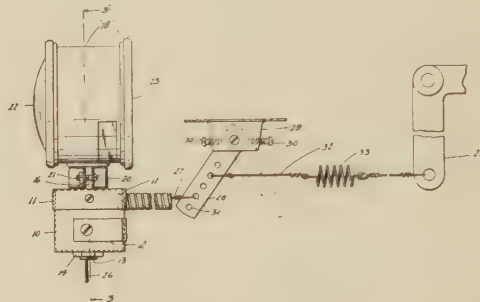
1,462,968. REFRIGERATOR. CHARLES A. KETTERER, East St. Louis, Ill. Filed Aug. 9, 1920, Serial No. 402,175. Renewed Feb. 1, 1923. 2 Claims. (Cl. 62-37.)



1. A refrigerator comprising a storage chamber, a refrigerator chamber communicating therewith, a drip pan located in said refrigerating chamber, a liquid container supported in said refrigerating chamber above said drip

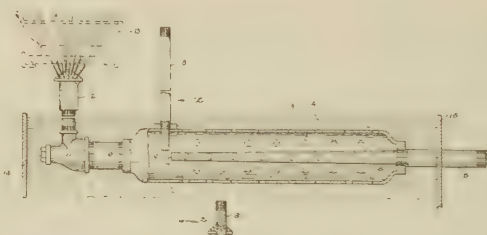
pan, an ice container supported above said liquid container and spaced apart therefrom, a perforated lid for said ice container, dampers having graduated openings pivotally secured to said lid for regulating the size of perforation, and plugs for closing predetermined portions of the space between the liquid container and ice chamber.

1,462,969. COMBINATION TAIL LIGHT AND SIGNALING DEVICE. DANIEL A. KRICK, Chicago, Ill. Filed Dec. 7, 1922. Serial No. 605,442. 12 Claims. (Cl. 116-47.)



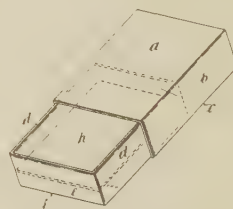
1. A device of the class described including a casing, a member within the casing and fixed thereto, a movable support within the casing and having a portion extending exterior thereof, a member surrounding the first named member and having one end attached thereto and having the opposite end attached to the support adapted to influence the movement of the support in one direction, means for moving the support in the opposite direction, and a signal head carried by the support and fixed to the exterior portion thereof.

1,462,970. SPRAYER. HARRY D. LATHROP, Chicago, Ill. Filed Sept. 23, 1920. Serial No. 412,316. 4 Claims. (Cl. 299-87.)



1. The method of producing a spray of hot water which consists in delivering intersecting jets of steam and cold water into a body of water and delivering the commingled water and condensed steam under the action of the steam, through a spray nozzle, substantially as described.

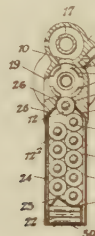
1,462,971. CONTAINER FOR MATCHES. SIDNEY ALFRED LEANE, Farrell's Flat, South Australia, Australia. Filed May 16, 1921. Serial No. 470,130. 3 Claims. (Cl. 206-33.)



2. In an improved container for matches wherein an opening is formed in the fixed floor of the match drawer for the admission of a partially consumed match a mov-

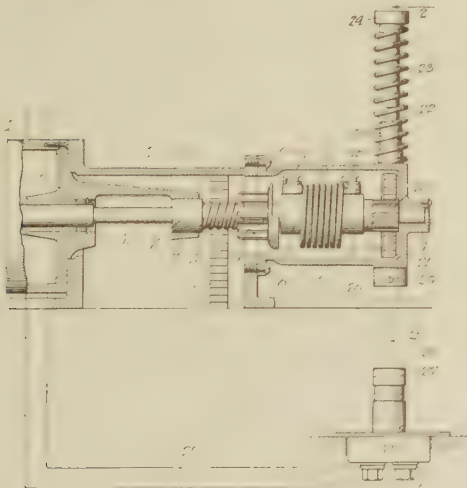
able or false bottom for the drawer of slightly less width and length than the interior of the drawer for the purpose of supporting unconsumed matches and separating them from consumed matches which are inserted through openings in the floor of the drawer substantially as described and as indicated in the drawings.

1,462,972. CARTRIDGE MAGAZINE. ISAAC N. LEWIS, Montclair, N. J. Filed Jan. 24, 1919. Serial No. 272,950. 9 Claims. (Cl. 42—50.)



1. A cartridge magazine, comprising a casing having a width sufficient to hold two parallel rows of cartridges in staggered relation with the cartridges of each row in contact with each other and with the cartridges of the other row, and at its upper end symmetrically decreased in width to form opposite guiding surfaces terminating in extremities shaped to partially surround and contact with opposite side portions of a cartridge to exactly position and rigidly hold said cartridge centrally of the casing, and cartridge elevating and supporting means within said casing, the guiding surfaces alternately acting, at successive elevations of said cartridges, to move the uppermost cartridge inwardly upon the uppermost cartridge of the other row, and the latter under the action of said elevating means directly pressing said uppermost cartridge into place between the extremities of the casing.

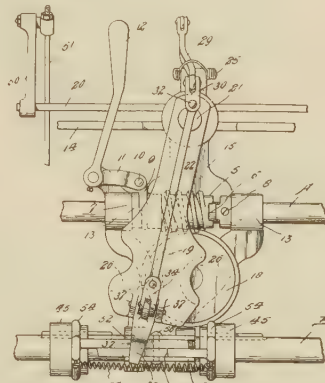
1,462,973. ENGINE STARTER. WILLIAM L. McGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Oct. 1, 1919. Serial No. 327,754. 20 Claims. (Cl. 290—38.)



1. In an engine starter the combination of an electric motor and its electrical connections including a switch, a rotatable shaft driven by the motor, a driving member adapted to engage a member of the engine to be started and mounted on the shaft for automatic longitudinal movement thereof when rotated to thereupon engage such engine member and for rotary movement therewith when in engagement with the engine member, and manually operated means for initially rotating the shaft to cause

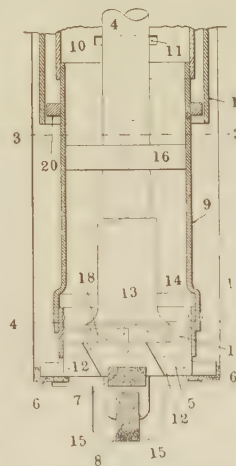
said driving member to so move longitudinally and thereby cause engagement of said members and for subsequently closing said switch to start the motor.

1,462,974. AUTOMATIC CLUTCH-SHIFTING MECHANISM FOR WASHING MACHINES. PETER MAKOWSKI, Chicago, Ill. Filed Mar. 3, 1923. Serial No. 622,482. 6 Claims. (Cl. 74—50.)



1. In a clutch reversing mechanism for washing machines, wherein the said washing machine includes a drive shaft and a reversing shaft together with a pair of clutch elements upon said reversing shaft, and wherein the washing machine further includes a pair of throw collars upon the reversing shaft for the said pair of clutch elements, a swinging member actuated by said drive shaft and being disposed between said throw collars, and means for withdrawing said swinging member from between the said throw collars.

1,462,975. WELL-DRILLING APPARATUS. SAMUEL J. MATHEWS, Sapulpa, Okla., assignor to B-B Manufacturing and Drilling Company, a Corporation of Delaware. Filed Apr. 9, 1920. Serial No. 372,397. 5 Claims. (Cl. 255—4.)

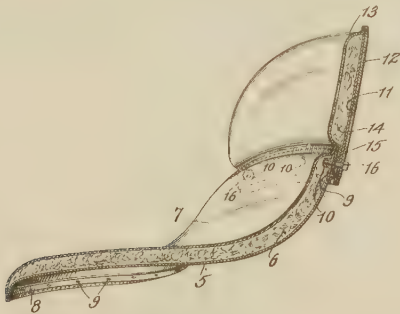


1. In apparatus of the class described, the combination of a well casing, a cutting tool, means forming a well container communicating with the interior of the well casing and discharging adjacent the cutting tool, and means preventing reentrance of discharged water into the well casing.

1,462,976. SADDLE. FREDERICK MESINGER, New York, N. Y. Filed Sept. 7, 1922. Serial No. 586,577. 3 Claims. (Cl. 208—15.)

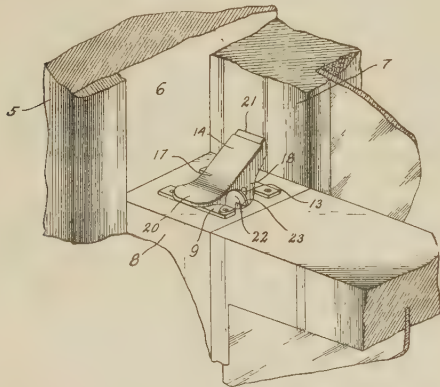
1. In combination with a vehicle saddle seat having a body plate upholstered on one side and upwardly curved at its rear end, a back rest for said seat also having a

body plate upholstered on one side and the upholstery thereof along one of its marginal edges corresponding in contour to the upper rear edge of the body plate of said seat, and means for detachably and rigidly securing said



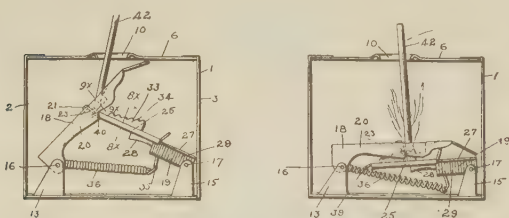
back rest to the body plate of the seat with said marginal edge of the upholstery thereof in close proximity to the rear upper end of the upholstery of the saddle seat, whereby the back-rest when applied, constitutes in effect a continuous part of the seat structure.

1,462,977. SASH LOCK. CLYDE S. MORSE, De Kalb, Ill. Filed Mar. 9, 1922. Serial No. 542,287. 1 Claim. (Cl. 292—228.)



In a sash lock, the combination with a base-plate having means to secure it to a sash and provided with a pair of spaced and apertured uprights, of a locking member having a socket at one of its ends and an up-turned portion at its other end, said member being provided with depending and apertured side flanges co-acting with said uprights to support said member, a pivot pin located in the openings of said flanges and uprights, a resilient plug located in said socket and extended outwardly therefrom, a catch member rotatably mounted on the base-plate near the up-turned portion of the locking member, and a spring surrounding said pivot pin and resting at one end against the base-plate and at its other end against the lower surface of the locking member near its end opposite its socket.

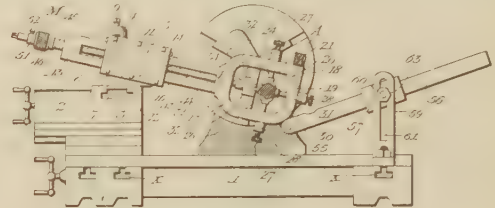
1,462,978. MATCH-IGNITING DEVICE. WILLIAM J. MOSHIER, Rochester, N. Y. Filed Apr. 1, 1922. Serial No. 548,869. 8 Claims. (Cl. 44—48.)



1. In a match scratching device, a movable friction device for engaging the head of a match to scratch it,

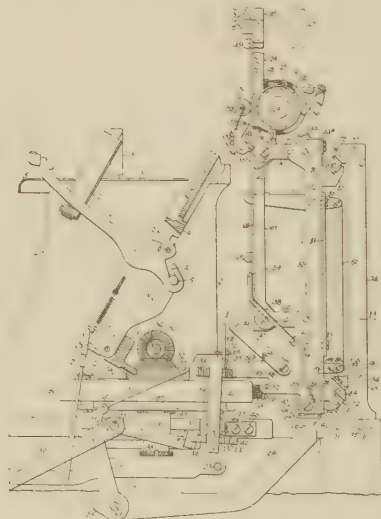
means for setting said friction device in an initial position by the insertion of the match, said device moving to scratch the match on the withdrawal of the match.

1,462,979. COMBINED CRANK-SHAFT-TURNING TOOL AND AUTOMATICALLY RECIPROCATING MECHANISM FOR SUPPORTING AND OPERATING THE SAME. FRANK H. PETERSEN and ALFRED S. WESTON, Denver, Colo. Filed Sept. 2, 1921. Serial No. 498,001. 6 Claims. (Cl. 82—9.)



1. In a device of the character described an adjustable support, a swivel block mounted thereon, a slide bar mounted in said block having an open head on its forward end adapted to surround a pin of a crank shaft, V-clamp in said head for engaging said pin to maintain a fixed relation between the axis of said pin and the axis of said bar, a swiveled support, a bar mounted therein and pivotally connected at one end to the said open head to prevent lateral variations of the same; a chuck slidably mounted in said open head; a rod extending through the first mentioned slide bar and connected to said chuck; threaded means for moving said rod back and forth, and a cutter in said chuck adapted to engage said pin.

1,462,980. TYPEWRITING MACHINE. MORRIS W. POOL, Brooklyn, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed May 19, 1921. Serial No. 470,818. 31 Claims. (Cl. 197—60.)



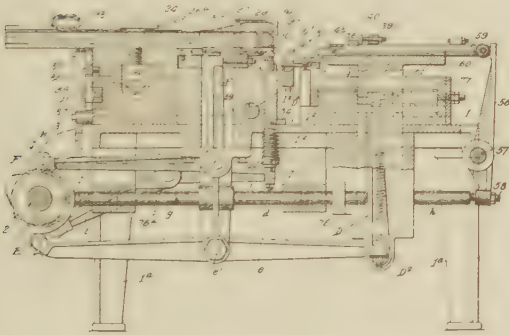
1. In a typewriting machine, the combination with a front strike printing mechanism, of means for holding the paper opposite the printing point and for providing a backing for the paper when the printing mechanism is operated, said means and said printing mechanism having an unvarying normal relationship in a fore and aft direction but being relatively separable, the elements composing said holding and backing means remaining unaffected when such separation takes place.

1,462,981. BELT BUCKLE. SAMUEL M. RIKER, Chester, N. J. Filed Aug. 15, 1922. Serial No. 581,997. 5 Claims. (Cl. 24—194.)



1. A belt buckle comprising a face plate transversely slotted adjacent to its respective ends for threading the free end of a belt adjustably therethrough, a pair of laterally spaced guide-lugs inwardly projecting from said face plate intermediate said slots, said guide lugs terminating in keeper lugs spaced in parallel plane from said face plate, a clamp plate having its rearward end doubled back upon itself to provide a forwardly projecting gripping tongue spaced in parallel plane from the main portion of said clamp plate, said gripping tongue having an opening to receive said guide lugs of said face plate, means associated with said opening to engage said guide lugs and keeper lugs to hold said clamp plate operatively attached to face plate, and means for connecting the fixed end of a belt with the forward end of said clamp plate.

1,462,982. MACHINE FOR MAKING LINK MESH AND SIMILAR FABRIC. KARL F. A. ROLLE, Vauxhall, N. J., assignor to Carl A. Binder, Newark, N. J. Filed Aug. 13, 1921. Serial No. 492,025. 25 Claims. (Cl. 140—3.)

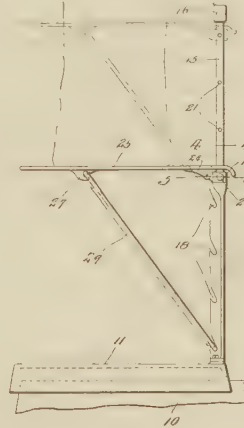


1. In a link-mesh machine, the combination of a mesh-fabric support, a wire feed, a cutter for the wire, means for forming links of the cut portions and connecting them to the fabric, consisting essentially of an initial bending pin, a holder for the U-shaped wire, said holder having a vertical and a longitudinal movement, a shaping mandrel on which the link is completed, and a rear forming device that cooperates with the holder.

1,462,983. COMBINATION BAG RACK AND AUXILIARY PLATFORM FOR SCALES. HARRY C. SCHAPER, St. Louis, Mo., assignor to The General Automatic Scale Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 13, 1920. Serial No. 410,047. 6 Claims. (Cl. 265—51.)

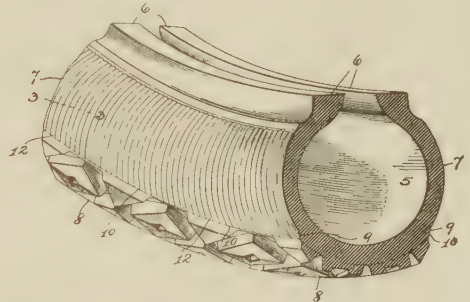
1. The combination with a scale and its platform, of a supporting frame projecting upwardly from the scale platform, a hinged auxiliary platform arranged on said

supporting frame and vertically adjustable thereon, and means carried by said auxiliary platform and adapted



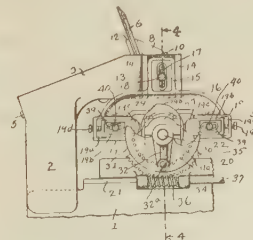
to engage said supporting frame for securing said auxiliary frame to the upright platform in its adjusted position.

1,462,984. TIRE CASING. FRANK G. SCHENUIT, Baltimore, Md. Filed Nov. 15, 1922. Serial No. 600,992. 3 Claims. (Cl. 123—13.)



1. An annular casing for vehicle tires having a thickened tread around its outer circumference and provided with side walls each of which has an annular flange or bead around its inner circumference, said casing also having a series of ribs projecting from its outer side wall surface which ribs extend in a direction from the base of the flange or bead toward but terminate at the side edge of the thickened annular tread.

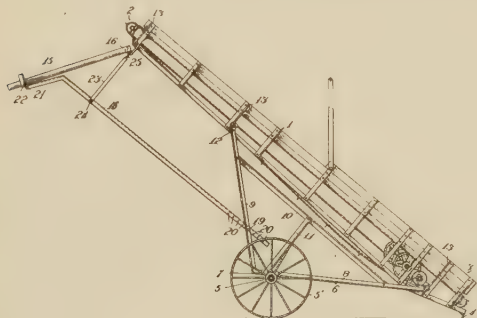
1,462,985. GEAR-GRINDING APPARATUS. CHARLES H. SCHURE, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 23, 1922. Serial No. 546,076. 22 Claims. (Cl. 51—95.)



1. In apparatus of the class described, the combination of a pair of elements one of which slides relative to the other, a tool rotatably carried by the fixed element, a spindle carried by the slide element and supporting a

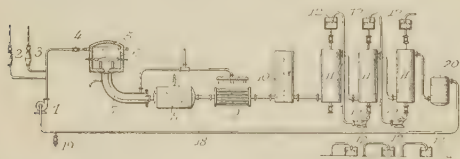
work piece for operative engagement by said tool, and means for oscillating said spindle and moving said slide, whereby rolling movement is imparted to said work piece, said means including a pair of abutments fixed in spaced relationship carried by one of said elements and a cam-device having cam-surfaces co-acting with said abutments carried by the other element.

1,462,986. CONVEYER CARRIAGE. ARTHUR L. SHAW, Chicago, Ill., assignor to Chicago Automatic Conveyor Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 4, 1918. Serial No. 260,963. 5 Claims. (Cl. 198—73.)



1. An apparatus of the character described for portably supporting a conveyer including in combination with a conveyer, a wheeled frame comprising a main frame, composed of a pair of side members each bent at an intermediate point to provide an upwardly extending part and a laterally extending part, the ends of said parts arranged to receive means for securing the frame to a conveyer; a discharge chute; means to hingedly support the discharge chute on the discharge end of the conveyer; an additional frame adjustably connected to the main frame, having its extended end supporting the discharge chute and link members for pendantly supporting said additional frame from the discharge end of the conveyer.

1,462,987. PROCESS FOR PRODUCING NITRIC ACID BY MEANS OF THE ELECTRIC ARC. WERNER SIMBERT, Laufenburg, Aargau, Switzerland, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland, a Corporation of Switzerland. Filed May 13, 1922. Serial No. 560,731. 8 Claims. (Cl. 204—31.)

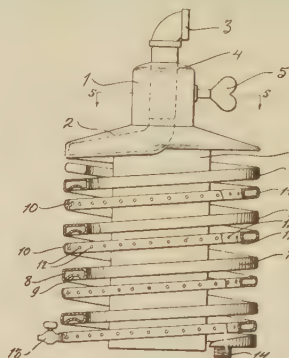


1. The cyclical process of producing nitric acid by means of the electric arc which consists in treating a nitrogen-oxygen mixture in an electric arc furnace, cooling abruptly the gases leaving said electric arc furnace and conserving the heat contained in said gases, absorbing the nitric oxides thus formed by nitric acid in absorption towers, leading the non-absorbed portion of the gases after a treatment adapted to keep their content of moisture below a determined limit back into the electric arc furnace, and feeding pure oxygen and nitrogen continuously in such quantities to the returned gas-mixture that the gas-mixture treated in the furnace contains 50% of oxygen and 50% of nitrogen.

1,462,988. INSTANTANEOUS HOT-WATER HEATER. HYMAN SIROT and HARRY SIROT, New York, N. Y. Filed Oct. 25, 1920. Serial No. 419,555. 3 Claims. (Cl. 122—250.)

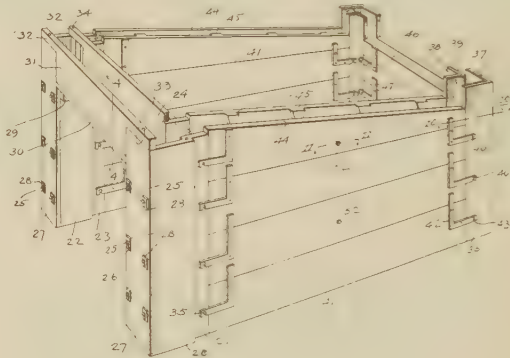
1. A water heater comprising a cap, means for attaching said cap to a water pipe, an arcuate flange rigid

with said cap, a core rigid with and depending from said flange, a pair of hollow coils surrounding said core, one of



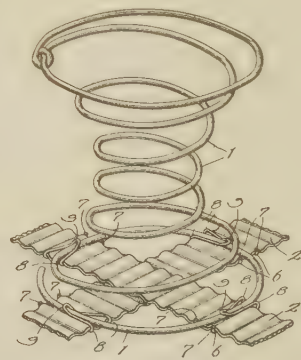
said coils being rigid with said core, its lower wall being upwardly concave, and the other of said coils provided with a plurality of spaced ignition openings.

1,462,989. KNOCKDOWN MOLD FOR CEMENT GARAGES. LOUIS LE ROY SPELSHOUSE, Baltimore, Md. Filed Apr. 7, 1923. Serial No. 630,467. 8 Claims. (Cl. 25—131.)



1. In a form of molding concrete structures, spaced vertically extending members, horizontally extending members for forming a side of the mold and adapted to be assembled in superposed relation, vertically spaced connecting elements on the vertical members, cooperating connecting elements on the ends of the horizontal members, and brace elements carried by the horizontal members and projecting vertically therefrom to engage an adjacent horizontal member.

1,462,990. SPRING MOUNTING. MATHIAS STADTLER, Chicago, Ill. Filed Sept. 14, 1922. Serial No. 588,125. 4 Claims. (Cl. 5—264.)



1. A spring structure having a coiled spring, a supporting strip beneath it and a clip formed of resilient wire, said clip having a central bend adapted to hold the end

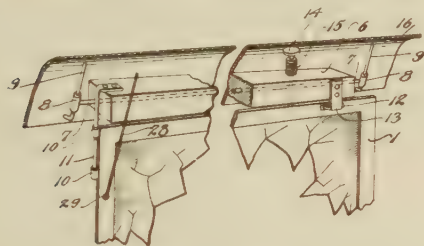
turn of the spring in contact with one surface of the strip, said clip also having integral prongs adapted to engage the opposite surface of the strip and having short up-turned fingers adapted to be sprung into engagement with the edge of the strip.

1,462,991. BUILDING BRICK AND PROCESS OF MAKING SAME. ROBERT L. TAYLOR, Midway, Pa., assignor, by mesne assignments, of one-half to Charles L. McKenzie, Pittsburgh, Pa. Filed Mar. 31, 1922. Serial No. 548,520. 9 Claims. (Cl. 18—47.5.)

2. The process of making building blocks or the like consisting in first crushing ferro manganese slag to a proper consistency, mixing the mass with water to form an intimately associated plastic mixture, holding unitary portions under pressure, and then subjecting the compressed and molded units to steam and drying them, substantially as set forth.

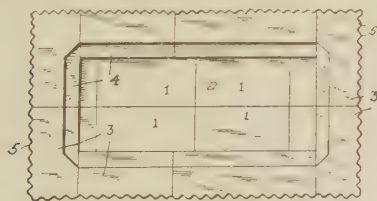
9. A building block or the like composed principally of ferro manganese slag.

1,462,992. VEHICLE SIDE-CURTAIN CONSTRUCTION. HARRIS W. TINKER, Jr., Birmingham, Ala. Filed Mar. 6, 1922. Serial No. 541,366. 11 Claims. (Cl. 296—45.)



1. The combination with a vehicle top and a body having conventional doors, of side curtains movable into and out of operative position and comprising horizontally foldable door sections provided with means for connection to a door for swinging movement therewith, and permanent supporting means for said sections adjacent the top and constructed to permit of folding of the sections beneath the top and providing a vertical axis for the sections to permit a swinging thereof with the door as the latter is opened or closed.

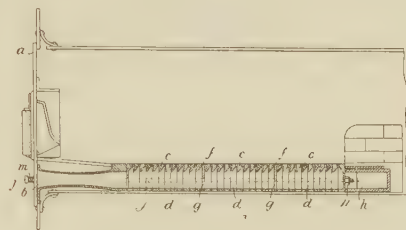
1,462,993. GLASS-MELTING TANK. HARRY G. WILLETTTS, Crafton, Pa., assignor to The Willetts Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 4, 1922. Serial No. 558,378. 2 Claims. (Cl. 49—53.)



1. A glass-melting tank having its lateral walls containing refractory bricks, some having one face provided with ribs, the latter being on the outer surface of said tank.

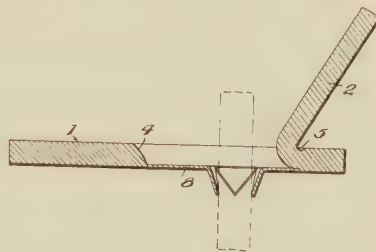
1,462,994. FURNACE GRATE. THOMAS OWSTON WILTON, London, England. Filed Feb. 2, 1922. Serial No. 533,597. 2 Claims. (Cl. 126—163.)

1. A furnace grate, comprising a plurality of bars secured together, each of said bars having a plurality of apertures adapted to register with the apertures of adjacent bars thereby to form a passage through the grate for conducting air and steam longitudinally thereof, and



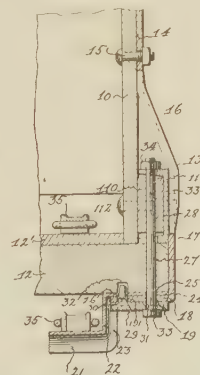
baffle plates placed at intervals between adjacent bars, said baffle plates having restricted apertures opening to the apertures of the bars.

1,462,995. CLOSURE DISK. WILBUR L. WRIGHT, Fulton, N. Y., assignor, by mesne assignments, to Oswego Falls Corporation, Fulton, N. Y., a Corporation of New York. Filed Apr. 15, 1922. Serial No. 552,990. 7 Claims. (Cl. 215—51.)



1. A one-piece pull-tab paper-material closure disk having a vertical cut extending down throughout the major portion of the thickness of the disk but stopping short of its bottom surface to form a very thin bottom wall below the cut, said paper material readily splitting in planes parallel with its upper and lower surfaces, said cut outlining a pull tab, said very thin wall forming the floor of the recess normally occupied by the pull tab and being formed for the passage of a suction tube intermediate the length and width of the floor when said tab is elevated.

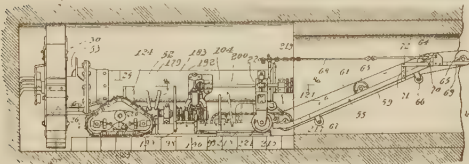
1,462,996. MANURE-SPREADER-BODY CONSTRUCTION. GEORGE NORWOOD ALLEN and EUGENE H. BENWAY, Hoosick Falls, N. Y., assignors to Walter A. Wood Mowing & Reaping Machine Company, Hoosick Falls, N. Y., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,721. 8 Claims. (Cl. 296—28.)



1. A manure spreader comprising a body having a sill, a bottom cleat arranged below and transversely to said sill, a side-board resting on and above said cleat, a brace

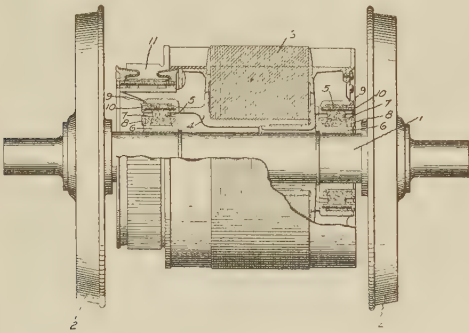
having one end connected to said side-board and its other end passing under said bottom cleat, and a tie bolt passing through said sill, bottom cleat and brace under the bottom cleat, whereby said sill, bottom cleat and brace are rigidly and immovably clamped together and said side-board is firmly secured to said sill and braced against a spreading action due to any weight of material carried within the body.

1,462,997. TUNNELING MACHINE. LOUIS W. ANDERSON, Grand Rapids, Mich., assignor to The Tunnel & Sewer Machine Engineering Company, Buffalo, N. Y., a Corporation of New York. Filed July 21, 1919. Serial No. 312,325. 20 Claims. (Cl. 262—7.)



1. A tunneling machine comprising a rotatable boring head for freeing the material, and a pick-up mechanism for picking up the freed material from the bottom of the bore, comprising a central rotatable receiving chamber to which the material is to be delivered, a chute having a quick-detachable connection with respect to said rotatable central chamber, and a pick-up bucket adjustably secured to said chute.

1,462,998. MOUNTING FOR ELECTRIC MOTORS. ASA F. BATCHELDER, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 26, 1922. Serial No. 577,698. 4 Claims. (Cl. 105—5.)

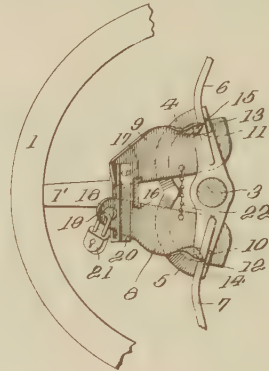


1. In combination, a shaft, an electric motor for driving said shaft comprising an armature surrounding said shaft, said armature having a nub of greater internal diameter than the external diameter of said shaft, and a yielding support and driving connection between said armature and said shaft comprising members of non-metallic cushioning material surrounding said shaft, said members being fastened to said shaft and to said armature.

1,462,999. LOCKING DEVICE FOR AUTOMOBILES. WILLIAM O. BAYLESS, Knoxville, Tenn. Filed Mar. 3, 1921. Serial No. 449,313. 3 Claims. (Cl. 70—126.)

2. The combination with a steering wheel, controlling levers and quadrants of a motor vehicle, of a pair of members adapted to be interlocked with said quadrants having projections arranged in the path of travel of

said levers, said members being provided with notches to receive one of the spokes of the steering wheel, a

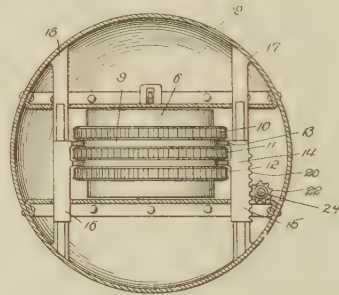


pivoted yoke carried by one of the said members adapted to embrace the other member and means for locking said pivoted yoke in position on said member.

1,463,000. PROCESS OF MAKING PAPER PULP. BURT J. BELLINGER, Dexter, N. Y. Filed July 2, 1921. Serial No. 482,180. 6 Claims. (Cl. 92—20.)

1. The process of making paper pulp comprising digesting the chipped wood and then subjecting the digested pulp directly to carding to separate the fibers.

1,463,001. SPEED-CHANGE WORM TRANSMISSION. MAURICE O. BERG, Chicago, Ill. Filed Mar. 20, 1922. Serial No. 544,980. 14 Claims. (Cl. 74—58.)

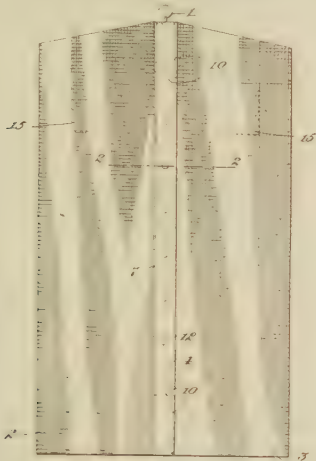


1. A variable speed transmission, comprising a driving shaft having a plurality of worms of different inclinations longitudinally spaced thereon, a driven shaft carrying an equal number of worm wheels respectively adapted to engage the said worms, means for tilting the driving shaft to bring a worm into or out of engagement with a worm wheel, means including a slidable shifting rod for sliding the worm wheels on the driven shaft, means actuated by the sliding of the shifting rod, for sliding the worms on the driving shaft to bring any one of the worms opposite the driven shaft, and means actuated by a rotational movement of the shifting rod for operating the said tilting means.

1,463,002. MOTH-PROOF BAG. BARNET BERNSTEIN, Gloucester, Mass. Filed Dec. 20, 1922. Serial No. 608,004. 1 Claim. (Cl. 206—10.)

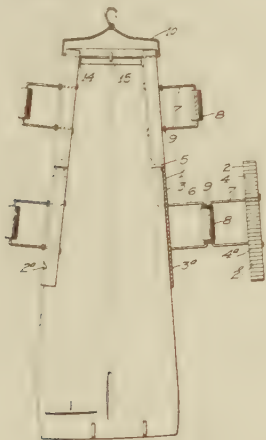
A moth-proof bag having its front composed of two members, the margin of one member having openings therethrough, and the other member having a pocket formed at its margin, said pocket comprising an inner

and an outer flap between which the margin of the first mentioned member is received, and fastening devices carried by the flaps and engaged through the openings in



said marginal portion and with the opposite flaps, whereby to secure the flaps and the marginal portion closely together.

1,463,003. COMBINATION CLOTHES HANGER AND TROUSERS CREASER. EDWARD V. BOWE, San Diego, Calif. Filed Mar. 20, 1922. Serial No. 545,079. 4 Claims. (Cl. 223—19.)

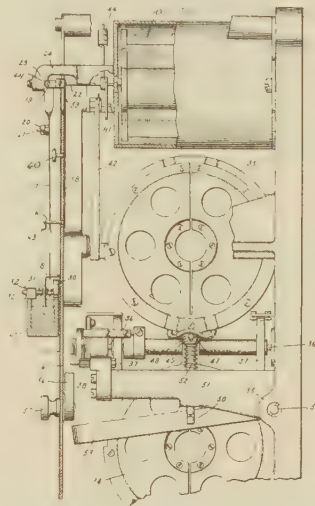


1. In a device of the class described, a hanger member, creasing members shiftably mounted on the lower portion of said hanger member, other creasing members oppositely disposed to said former creasing members and movable therewith, a handle, tension members secured in each of said oppositely disposed creasing members at one end and pivotally and eccentrically mounted in said handle at the other end and means in connection with said tension members adapted to secure said creasing members in clamped position with each other.

1,463,004. ELECTRICAL RECORDING INSTRUMENT. FRANCIS H. BOWMAN, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,426. 7 Claims. (Cl. 234—5.5.)

1. In a recording instrument, a vertically disposed disc type record chart, a capillary tube bent into a right angle, forming a stylus, a well for holding ink, one of the legs of said capillary tube being adapted to dip within the well, means for moving the capillary tube in accordance with the quantity being measured, and an ad-

justable hinged support for said well whereby its vertical position is rendered adjustable, and whereby it may be swung in a horizontal plane away from the record chart to facilitate the removal of the latter.

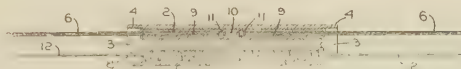


3. In an electrical recording instrument, a plurality of flat coils forming the stationary element of the instrument, a plurality of movable coils coacting therewith, a pivoted shaft serving as a common support for the movable coils, control springs each having one end fastened to a stationary part of the instrument, and the other end to the pivoted shaft, a damping device including a rotatable member, a mechanical connection between the movable coils and said rotatable member, a recording stylus carried by said rotatable member, and a chart cooperating with said stylus.

4. In an electrical recording instrument, a stationary element, a movable element, a recording stylus, a rotatable shaft supporting said stylus, a connection comprising a slot and a pin freely movable in said slot between the movable element and said shaft whereby said shaft is rotated in response to the movement of said movable element, and means for adjusting said slot and pin connection for varying the ratio of motion between said shaft and said movable element.

6. In an electrical recording instrument having a stationary element and a rotatable element, a manually operable cam, and means for locking the movable element comprising a rod having its axis at an angle with the axis of rotation of the rotatable element, a pair of spring pressed block cooperating with the ends of said rod to restrain its movement, and a common movable support for said blocks, said manually operable cam being adapted to move said movable support to free the rod.

1,463,005. HEATING UNIT. WILLIAM H. DALTON, Salem, Mass. Filed Nov. 1, 1921. Serial No. 512,080. 6 Claims. (Cl. 219—67.)



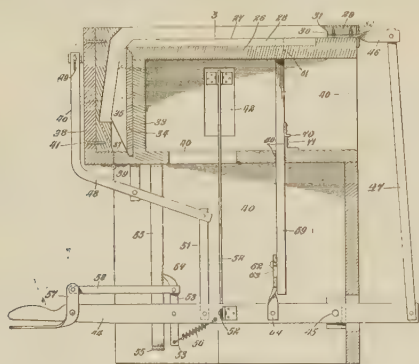
1. A heating coil comprising a shell of insulating material having a relatively small bore extending from one end to the other thereof, a heating coil within said bore, a lead wire connected to each end of the coil outside the bore, and means other than the coil for anchoring each lead wire to the shell.

1,463,006. GASOLINE FILTER. MARTIN E. E. DARDANI, Fairfield, Conn. Filed Sept. 7, 1921. Serial No. 499,031. 5 Claims. (Cl. 210—165.)



1. A filter comprising a casing, an inlet at one end thereof, an outlet pipe at the other end and extending into the casing and spaced therefrom to provide a sediment chamber, a screen surrounding said pipe and spaced from it and the casing, and an imperforate cap carried by the screen in alignment with the inlet.

1,463,007. MOLD FOR MAKING BUILDING BLOCKS. JAMES G. DAVIS, Buffalo, N. Y. Filed Apr. 28, 1920. Serial No. 377,371. 6 Claims. (Cl. 25—41.)

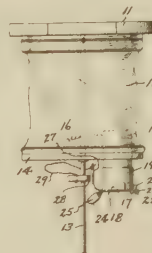


1. A mold for making building blocks comprising a stationary horizontal bottom plate, a mold bar movable toward and from the upper rear part of said bottom plate, a fixed inner wall depending from the front edge of said bottom plate, a fixed bottom flange projecting forwardly from the lower edge of said inner wall, an outer wall movable toward and from said inner wall and flange, and two side plates movable toward and from said bottom plate, mold bar, outer and inner walls and said flange.

1,463,008. SOUND-EMISSION DEVICE. MATTEO DE CESARE, Newark, N. J., assignor to The Toy Devices, Inc., Newark, N. J., a Corporation of New Jersey. Filed Sept. 20, 1922. Serial No. 589,290. 11 Claims. (Cl. 46—46.)

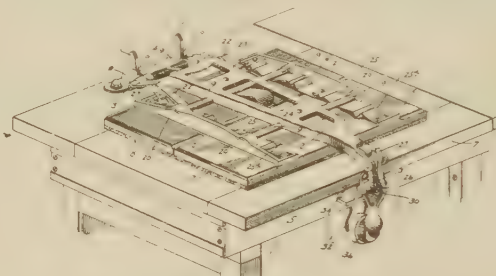
3. In a device of the kind described, a bellows having a movable member and a stationary means, a sound emission device having an outlet orifice carried by said movable member and actuated by compression of air in said bellows, a pivoted flap-valve normally closing said orifice and capable of both outward vertical swing and

limited lateral play, a resilient tension means for holding said flap-valve in normal initial closed position, a tripper abutment on said stationary means, and a tripping means on said flap-valve adapted to swing open the latter



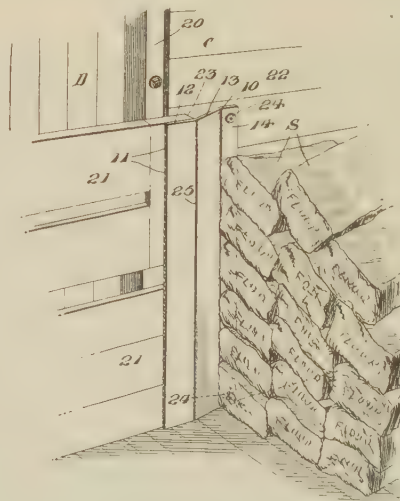
when engaging said tripper abutment in one direction and adapted to produce a lateral yielding movement thereof when engaging said tripper abutment in the opposite direction.

1,463,009. PRESSER-BACK MECHANISM FOR PHOTO-PRINTING MACHINES. GLEN M. DYE, Minneapolis, Minn., assignor to Pako Corporation, Minneapolis, Minn., a Corporation of Delaware. Filed Sept. 10, 1921. Serial No. 499,723. 9 Claims. (Cl. 95—77.)



2. In a photo-printing machine, the combination with a transparent plate and its support, of a co-operating presser back mechanism comprising a presser lever, laterally spaced saddle bars yieldingly connected to said lever, and front and rear presser boards, the former being firmly connected to the front ends of said saddle bars and the latter having a yielding connection to said lever.

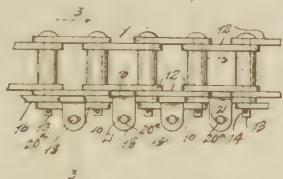
1,463,010. PROTECTOR FOR CAR GRAIN DOORS AND THE LIKE. HERBERT S. ECKHOUSE, Indianapolis, Ind. Filed July 11, 1922. Serial No. 574,256. 10 Claims. (Cl. 20—30.)



1. In combination with a car having a grain door across the door opening thereof on the interior of the car, a cushioning material protecting strip secured to the

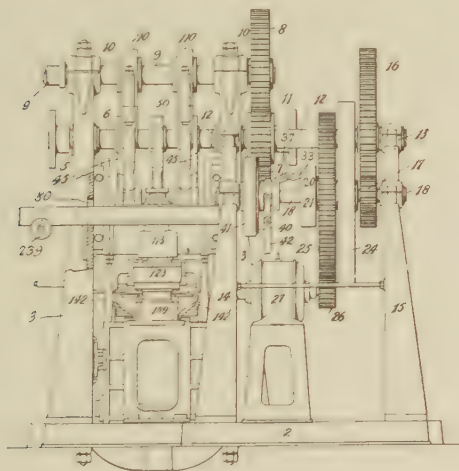
inner wall of the car adjacent an end of said grain door and inclined over and across said grain door end to provide a smooth surface between and connecting the inner face of said grain door with the inner wall of the car.

1,463,011. CONVEYER. ISAAC W. ENGLAND, Passaic, N. J., assignor to Passaic Metal Ware Co., Passaic, N. J., a Corporation of New Jersey. Filed Dec. 1, 1921. Serial No. 519,036. 5 Claims. (Cl. 198—134.)



1. A conveyer comprising spaced chains having side links and connecting pins, supplemental links upon said pins adjacent to corresponding side links of the pins, and supports carried by and extending between opposing supplemental links of the spaced chains.

1,463,012. APPARATUS FOR THE MANUFACTURE OF HORSESHOES. JOHN HANBURY FARRER, Neutral Bay, near Sydney, New South Wales, Australia. Filed Jan. 26, 1923. Serial No. 615,133. 21 Claims. (Cl. 59—37.)

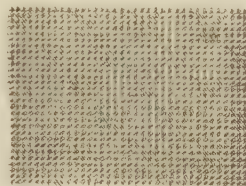


1. In apparatus of the class specified, the combination with forging mechanism and a heating furnace, of a pedestal interposed between the furnace and forging mechanism, a frame mounted on said pedestal for adjustment toward and away from the furnace, a feed trough secured to said frame, grip rollers supported by said trough, a rotatable feed roller beneath said grip rollers, means for intermittently rotating said feed roller, a vertically reciprocating ram mounted in said frame carrying a shear blade, a second trough in alignment with and in spaced relation to the first trough, a shear blade fitted to said second trough, a spring actuated plate hingedly mounted on said second trough to constitute the bottom thereof, and a bearer bar extending transversely of said second trough in the rear of the bottom plate.

1,463,013. CURTAIN, DRAPERY, AND THE LIKE. EDWIN H. FLAGG, Los Angeles, Calif. Filed Apr. 1, 1922. Serial No. 548,872. 2 Claims. (Cl. 41—26.)

1. A curtain or the like made of a body fabric having short projecting strands standing at substantially right angles to the plane of said body, in close relationship to

each other, said body being colored and decorated in figures inwardly of said projecting strands, and the



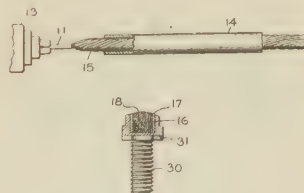
outer ends of said projecting strands being provided with an adhering bronze-like matter for decorative purposes.

1,463,014. PROCESS FOR MAKING CURTAINS, DRAPERIES, AND THE LIKE. EDWIN H. FLAGG, Los Angeles, Calif. Filed Apr. 1, 1922. Serial No. 548,873. 4 Claims. (Cl. 41—26.)



1. The process of manufacturing curtains and the like which consists in using a fabric having loops of the material projecting from the surface thereof, coloring the fabric through a stencil by means of an air gun for forcing a liquid coloring into the fabric, and applying a decorative matter to the ends of the loops, whereby said decorative matter stands outermost.

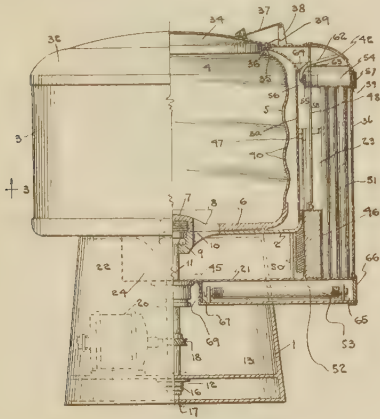
1,463,015. ACTUATING DEVICE AND METHOD OF MAKING THE SAME. EMILE J. GUAY, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 4, 1919. Serial No. 335,775. 18 Claims. (Cl. 154—2.)



10. A device of the character described, comprising a tube which is filled with spinable fibers extending lengthwise thereof and held under heavy compression by the wall of the tube, and a holder containing a socket in which the tube and its filler are seated, said filler extending slightly beyond one end of the tube.

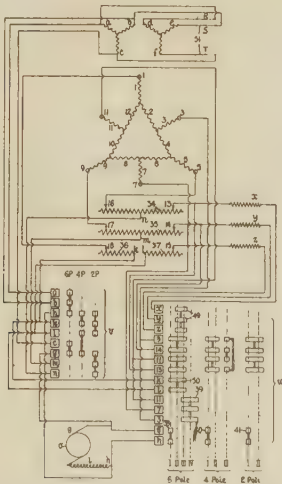
11. The method of making devices of the character described which comprises filling an elongated shell with spinable textile fibers and compressing the same by reducing the size of the shell.

1,463,016. WASHING MACHINE. ALONZO HUMBERGER, Chicago, Ill. Filed June 29, 1921. Serial No. 481,221. 8 Claims. (Cl. 68—18.)



8. The combination with a washing machine comprising a tub and a passageway connected therewith at top and bottom for the circulation of washing water or drying air, of a heating chamber below said passageway, a heat producing device in said chamber, flues extending upwardly from said chamber through said passageway, a valve housing connecting the upper ends of said flue, a valve shiftable in said housing, means tending to shift said valve outwardly to connect the upper ends of said flues to the exterior of said passageway, a lid for said passageway, and mechanism between said valve and lid operable to shift said valve inwardly when the lid is closed to then connect the upper ends of said flues with the interior of said passageway.

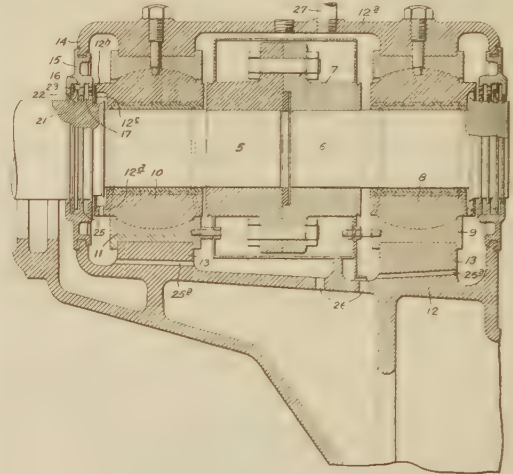
1,463,017. DYNAMO-ELECTRIC MACHINE ADAPTED FOR SYNCHRONOUS WORKING. LOUIS JOHN HUNT, London, England, assignor to General Electric Company, Schenectady, N. Y. Filed Apr. 19, 1921. Serial No. 462,584. 15 Claims. (Cl. 172—274.)



1. A dynamo-electric machine having windings on the stationary part adapted to produce fields of two different pole numbers, and windings on the revolvable part also adapted to produce fields of said two different pole numbers, the windings on one of said parts being of a type wherein currents flow through some of the same coils with different terminal connections for producing fields of the two different pole numbers, in combination with

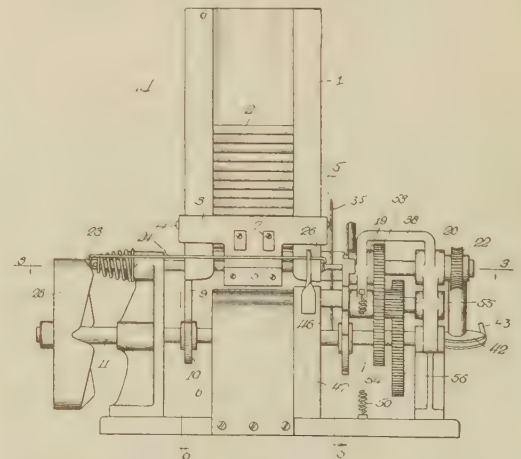
means for supplying direct current to the windings on the last mentioned portion of the machine in such manner as to produce fields of either of the two said pole numbers.

1,463,018. SHAFT BEARING. OSCAR JUNGREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 15, 1921. Serial No. 437,565. 5 Claims. (Cl. 64—22.)



1. The combination with a shaft and a bearing therefor, of a bearing housing which projects beyond the end of the bearing and through the end of which the shaft projects, and means for preventing leakage from the end of the bearing along the shaft comprising a member carried by the bearing housing and providing two annular chambers having open sides facing the shaft, an impeller carried by the shaft and running in the outer chamber, and conduit means connecting the delivery side of the impeller chamber to the inner chamber, said impeller serving to take air from the outside and build up a pressure in the inner chamber to produce a flow of air along the shaft toward the bearing.

1,463,019. THREAD-CUTTING MACHINE. FRANK H. MOONEY, Hinsdale, Ill., assignor to Clarence E. Barrett, Chicago, Ill. Filed Oct. 25, 1920. Serial No. 419,276. 10 Claims. (Cl. 10—154.)



2. In a threading machine, a pair of aligned socketing means respectively engaging opposite ends of the stock, means for spirally advancing the stock while thus engaged, a circular saw, and sequentially operative means for moving one of the socketing means transversely of

the stock so as to bring the latter into engagement with the edge of the saw, for moving the last named socketing means in the opposite direction, and for increasing the spacing between the two socketing means to cause the latter to release the stock.

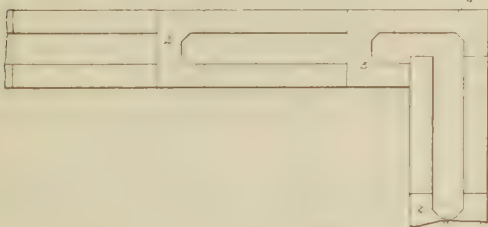
5. In a threading machine, a circular saw, a support for the same, a rocker frame pivoted on the support, stock-manipulating means carried partly by the support and partly by the rocker frame and including means for rotating the stock and means for longitudinally moving the stock, and speed reducing means carried by the rocker frame and operatively interposed between the said stock-rotating and stock-moving means.

- 1,463,020. ADJUSTABLE FISHING-LINE BOBBER. OLAF OLSON, St. Paul, Minn. Filed Mar. 18, 1922. Serial No. 544,772. 4 Claims. (Cl. 43—49.)



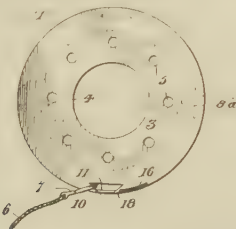
1. A fishing bob comprising a float body and a releasable clamping means for the line at one end thereof yieldingly held in clamping position by means at the other end of said float body.

- 1,463,021. WALL CONSTRUCTION. CHARLES V. PIERSON, Duluth, Minn. Filed Mar. 16, 1923. Serial No. 625,480. 7 Claims. (Cl. 72—39.)



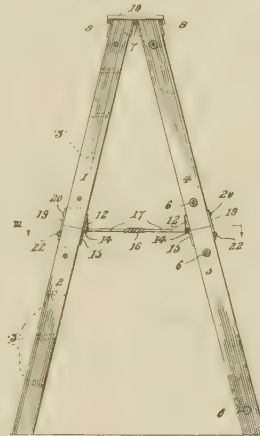
7. A hollow wall corner construction comprising four coating blocks forming an L-shaped space within said wall about the corner, the terminals of said space being unequal in distance from the corner, and said blocks being reversible in their assembled relation about the corner.

- 1,463,022. DRAFT APPLIANCE FOR AUTOMOBILES. MIKE SEPELYAK, Verona, Pa. Filed Apr. 12, 1922. Serial No. 551,943. 3 Claims. (Cl. 242—95.)



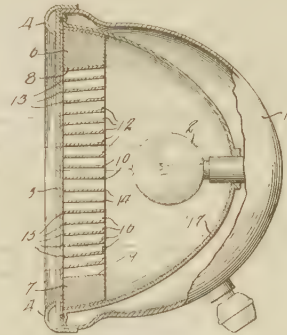
1. A draft attachment for automobiles, comprising a drum secured to the hub of the driving wheel, and including side flanges, one of said flanges having a recess therein opening at the periphery of the flange and a tensioned bolt closing the outer side of said recess.

- 1,463,023. COLLAPSIBLE STEPLADDER. LOUIS SIMONICH, L'Anse, Mich. Filed Dec. 19, 1922. Serial No. 607,806. 1 Claim. (Cl. 228—2.)



In a collapsible step ladder, front and rear frame structures embodying side bars hingedly connected at their upper ends, a top plate removably secured to the upper ends of the side bars, a tensioned spacer removably positioned between the front and rear frames, the side bars, each being formed of upper and lower sections hinged at adjacent ends, cooperating means carried by the sections for maintaining alinement thereof, the hinge connection between the sections including a hinge plate carried by the adjacent ends of each section, and a barrel carried by each hinge plate adapted to receive an end of the tensioned spacer.

- 1,463,024. AUTOMOBILE HEADLIGHT. WILLIAM R. STEINHAEUER and JACOB N. PRUTZMAN, Mount Vernon, Wash. Filed Jan. 24, 1921. Serial No. 439,481. 1 Claim. (Cl. 240—48.4.)

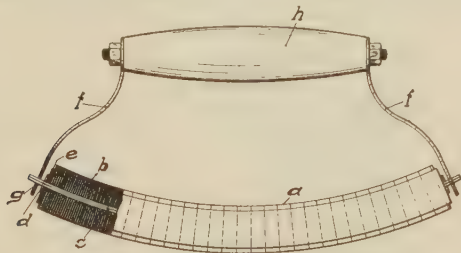


A light deflecting attachment for automobile head lights comprising a metal frame adapted to fit within the headlight, filler blocks mounted transversely in said frame at the top and bottom thereof, parallel horizontal partitions extending transversely of said frame and positioned substantially midway the height of the frame, a series of downwardly inclined partitions extending transversely of the frame above and below the said parallel partitions, said partitions having a non-reflecting upper face and a lower reflecting face, and obstructors extending upwardly at an angle from the rear edge of some of said inclined partitions.

- 1,463,025. BLOTTER. JOHANN STICH, Augsburg, Germany. Filed Dec. 13, 1922. Serial No. 606,765. 4 Claims. (Cl. 120—24.)

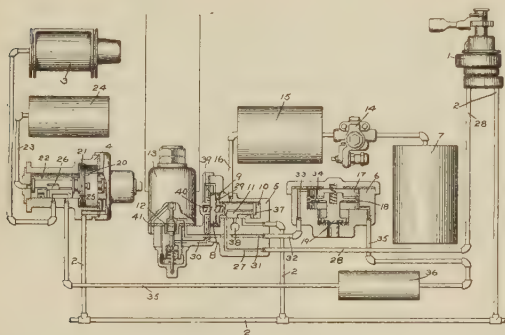
3. A blotter comprising a pad of vertically disposed strips of absorbing material, resilient strengthening means passed through and protruding beyond the said

pad, a handle having depending brackets at each end, apertures to conform with and to receive the protruding



end portions of the resilient strengthening means so as to impart to the pad a downwardly directed curvature.

1,463,026. FLUID-PRESSURE BRAKE. THOMAS H. THOMAS, Edgewood, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 3, 1919. Serial No. 301,513 3 Claims. (Cl. 303—18.)



1. In a remote controlled fluid pressure brake, the combination with an application valve device comprising a piston normally subject on opposite sides to fluid under pressure and valve means operated by said piston for effecting an application of the brakes, of a timing reservoir, a magnet controlled valve for venting fluid from one side of said piston to said timing reservoir to effect the movement of the piston to application position, and a by-pass adapted to be opened in the application position of the piston for quickly equalizing the fluid pressures on opposite sides of the piston.

1,463,027. VACUUM-WALLED CONTAINER. RAYMOND SAMUEL WILE and SIDNEY HERBERT GOBAY, New York, N. Y. Filed Dec. 12, 1919. Serial No. 344,275. 4 Claims. (Cl. 215—12.)



1. In a vacuum walled vessel, spaced inner and outer walls of occluding material enclosing a vacuum cham-

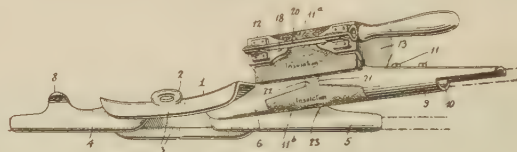
ber and having their confronting surfaces coated with non-occluding material to prevent occlusion of gases and polished to reflect heat rays and prevent absorption thereof by said walls.

1,463,028. HAIR CURLER. LOUIS GAETAN AGOSTINI, Paris, France. Filed Feb. 17, 1922. Serial No. 537,296. 7 Claims. (Cl. 132—34.)



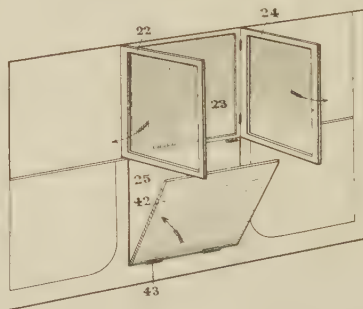
1. A hair curler, comprising a tube, a central rod inserted through the bore of the tube and projecting therebeyond at opposite ends; an end piece on one end of the rod; a knob on the other end of said rod; and a spring acting to normally grip the knob to the adjacent tube end and thereby prevent relative rotation between the rod and tube.

1,463,029. COMBINED TROLLEY FROG AND ELECTRIC CUT-OUT. CHARLIE M. ANDREWS, Caryville, Tenn., assignor of one-half to G. Edward Moore, Caryville, Tenn. Filed June 2, 1922. Serial No. 565,479. 7 Claims. (Cl. 191—38.)



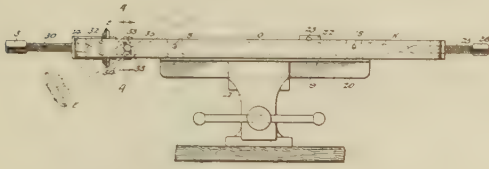
1. A combined trolley frog and electrical cut-out comprising a divided frog plate carrying a trolley track and formed with upper and lower recesses adjacent its point of division, said recesses defining intermediate metallic webs electrically separated, said lower recess interrupting the continuity of said trolley track, an insulator seated in the upper recess, functioning as a tension member for holding the divided parts of said frog plate together, a second insulator seated in said lower recess, means for securing said first insulator and a part of said frog plate together, said means engaging said second insulator.

1,463,030. COLLAPSIBLE HOOD OR ROOF OF VEHICLES. GUSTAVE BAEHR, Paris, France. Filed Mar. 31, 1921. Serial No. 457,467. 1 Claim. (Cl. 296—45.)



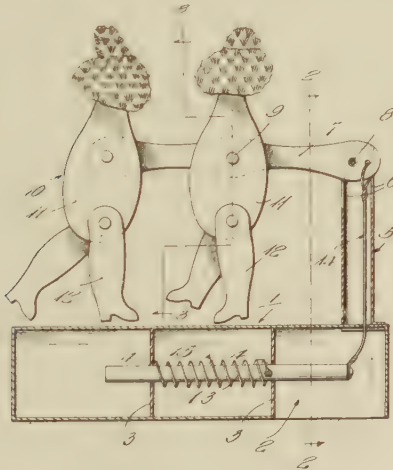
In a vehicle of the character described, a body having a recess in the outer face of its side, a hinged door for closing the recess, the door when closed being substantially flush with the outer face of the body, and three glazed frames hinged together to fold one upon the other, the middle frame being hinged at one end to the upper side edges of the said recess to swing upwardly and downwardly and the other frames hinged to the side edges of the middle frame to extend laterally therefrom and in alinement therewith or to fold on the same, whereby the frames when not in use and folded can be swung down into the recess and the recess closed.

- 1,463,031. TOOL FOR REMOVING FROM OR APPLYING DIFFERENTIAL GEARS TO THEIR AXLES. WILLIAM C. BAKELS, Midland Park, N. J. Filed Mar. 24, 1922. Serial No. 546,398. 8 Claims. (Cl. 29—85.)



1. A tool for effecting the connection and disconnection of a differential gear and axle section having a frame including means for supporting the axle section for axial movement, means at one end of the frame engageable with the gear for limiting the axial movement thereto in opposite directions, means movable through the opposite end of the frame and engageable with one extremity of the axle section for effecting relative axial movement of the same with respect to the gear in one direction whereby to permit of the disengagement and removal of the gear retaining means, and means movable through the first mentioned end of the frame and engageable with the opposite extremity of the axle section for effecting relative axial shifting movement of said axle section through the gear and the removal of the same therefrom.

- 1,463,032. TOY. RALPHAEL BANTLE, St. Louis, Mo. Filed Oct. 12, 1920. Serial No. 416,444. 6 Claims. (Cl. 46—40.)

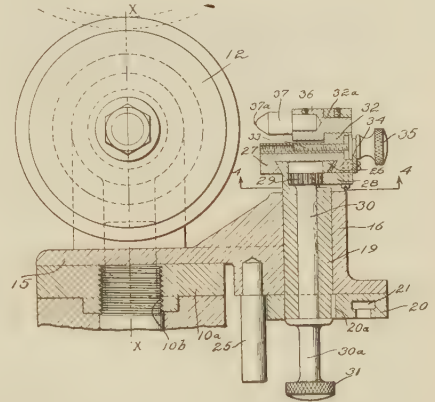


2. In a toy, a hollow base having its bottom side provided with a finger inserting opening, a dancing figure positioned above the base, means for supporting and moving the figure, and a concealed manually operated slidable operating member entirely disposed in the base and having one of its ends extending above said finger inserting opening and serving to impart motion to said supporting means, when moved by a finger extending through the opening.

- 1,463,033. TRUING DEVICE FOR GRINDING DISKS. JOHN R. BECKETT, Somerville, Mass. Filed July 17 1919. Serial No. 311,531. 4 Claims. (Cl. 125—11.)

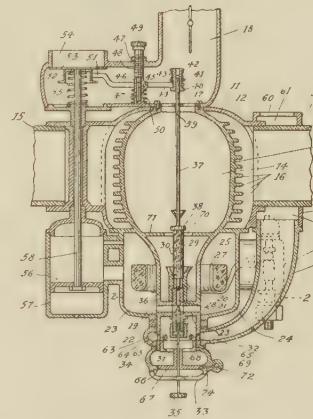
1. The combination with a grinding disk, of a truing device therefor comprising a carriage support mounted for angular adjustment to extend diagonally at either

side of said disk at will, a carriage bearing a truing tool mounted for movement on said support and equipped



with an actuating device coaxial with the axis of adjustment of said support, and means for adjusting the tool transversely on said carriage.

- 1,463,034. CARBURETOR. ASHLEY C. BENNETT, Minneapolis, Minn., assignor to Irene E. Bennett, Minneapolis, Minn. Filed Feb. 10, 1914. Serial No. 817,804. 5 Claims. (Cl. 261—14.)

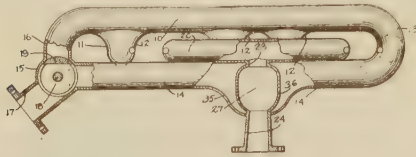


2. A carburetor comprising a casing forming a vertical passageway, a contracted neck at the bottom of the passageway, means for delivering fuel oil to said passageway at the throat of the neck, said neck being formed with peripheral holes for delivering heated air, and an expanded annular chamber open to the atmosphere at the bottom, a valve comprising a head operating in said annular chamber and adapted to close said bottom opening, and a tubular portion slidable in said passageway and adapted to cover or uncover said ports, said valve being adapted to be raised by the suction of the engine to admit normal air and to cut off heated air when the engine reaches a predetermined speed.

- 1,463,035. INTAKE MANIFOLD. ASHLEY C. BENNETT, Minneapolis, Minn., assignor to Irene E. Bennett, Minneapolis, Minn. Filed Mar. 1, 1917. Serial No. 151,697. 1 Claim. (Cl. 123—122.)

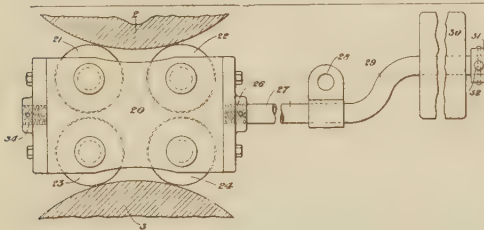
An intake device for gas engines comprising an exhaust pipe formed in two interconnected sections, one of said sections being connected with the cylinders of the engine, an intake manifold secured upon the other

section and having a connection with the carbureter extending through and surrounded by said other section,



and controllable means for causing varying quantities of the exhaust gases to pass through said last mentioned pipe section.

1,463,036. ROLLING-MILL RAGGING MECHANISM. GEORGE J. BRYEN, Duquesne, Pa. Filed Dec. 23, 1920. Serial No. 432,674. 8 Claims. (Cl. 80—5.1.)

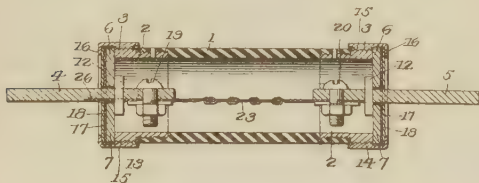


1. A rolling mill ragging mechanism comprising a frame, upper and lower ragging disks journaled on pins mounted in said frame, said disks having serrated peripheral faces, an arm having one end secured to said frame for moving said mechanism into place between a pair of rolls, and a counterweight adjacent the free end of said arm.

1,463,037. PROCESS FOR THE MANUFACTURE OF ALKALI-METAL SILICATES. CAMILLE DEGUIDE, Enghien, France. Filed Dec. 24, 1921. Serial No. 524,695. 3 Claims. (Cl. 23—13.)

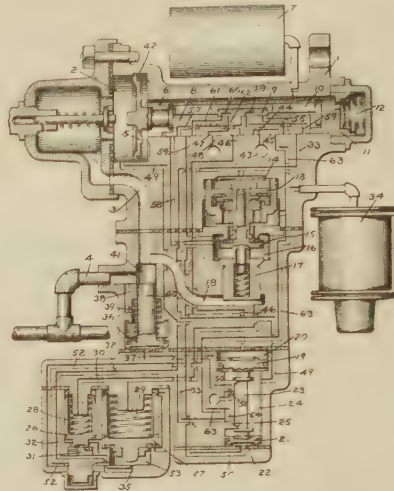
1. The process of producing alkali-metal silicates, which consists in decomposing barium silicate by water and an alkali-metal salt the acid radical of which forms a barium salt less soluble than barium silicate.

1,463,038. KNIFE-BLADE FUSE. EDWARD H. ELLISON, Jamestown, N. Y., assignor to Monarch Refillable Fuse Co., Jamestown, N. Y., a Corporation of New York. Filed Apr. 27, 1920. Serial No. 376,931. 20 Claims. (Cl. 200—132.)



1. A fuse comprising an insulating casing having substantially smooth unbroken ends, a fusible link therein, a projecting knife blade at each end thereof extending into and forming connections with the fusible link, means for closing the ends of said casing, bridge pieces for aligning said knife blades said bridge pieces engaging said smooth unbroken ends to secure an effective gas-tight joint, held in predetermined position relatively to said casing by means independent of said closing means.

1,463,039. TRIPLE-VALVE DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 27, 1921. Serial No. 480,705. 19 Claims. (Cl. 303—35.)



1. In a fluid pressure brake, the combination with a brake pipe, of a valve mechanism for retarding an emergency application of the brakes and means operated upon an increase in brake pipe pressure for controlling said valve mechanism.

9. In a fluid pressure brake, the combination with a triple valve device for controlling the application and release of the brakes and having a service lap position and a position in which the release of the brakes is retarded, of means for retarding an emergency application of the brakes and a valve device operative upon movement of the triple valve device to the retarded release position for cutting said means into operation and upon movement to service lap position for cutting said means out of operation.

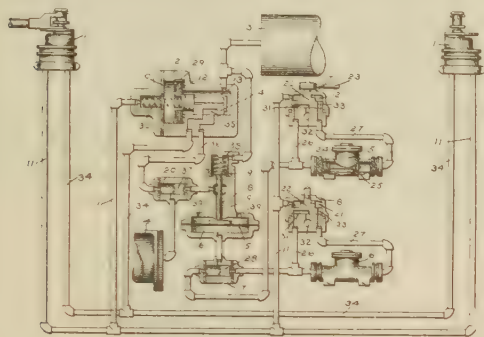
15. In a fluid pressure brake, the combination with a brake cylinder and a triple valve device for effecting a service application of the brakes and an emergency application of the brakes and having a position in which the release of the brakes is retarded, of a valve mechanism for retarding the flow of fluid from the triple valve device to the brake cylinder in an emergency application of the brakes and a valve device positioned upon movement of the triple valve device in effecting a service application of the brakes for establishing a direct communication from the triple valve device to the brake cylinder in an emergency application of the brakes and positioned upon movement of the triple valve device to the retarded release position for cutting off said direct communication.

1,463,040. DOOR AND BRAKE CONTROL DEVICE. ELLERY R. FITCH, St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 29, 1921. Serial No. 481,251. 8 Claims. (Cl. 303—6.)

1. The combination with a mortorman's brake valve device for effecting an application of the brakes, of a fluid pressure operated door engine, a manually operated valve device for supplying fluid to said door engine, a main reservoir charged with fluid under pressure, and a valve device operated by fluid supplied to the door engine for supplying fluid directly from said main reservoir to effect an application of the brakes.

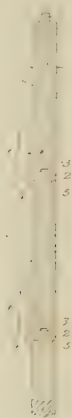
3. The combination with a brake cylinder and a mortorman's brake valve device for supplying fluid under pressure to the brake cylinder, of a fluid pressure operated door engine, a valve device manually operable by the conductor for supplying fluid to said door engine, a source

of fluid under pressure, a valve device operated by fluid, supplied to the door engine for supplying fluid from said source to the brake cylinder, and a double check valve for



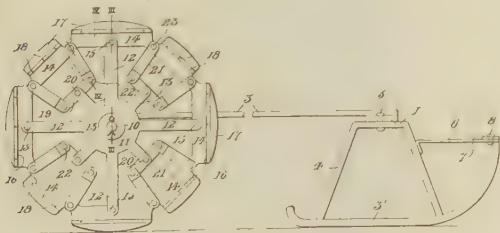
controlling communication from said last mentioned valve device and from the motorman's brake valve to the brake cylinder.

- 1,463,041. ELEMENT FOR WAINSCOTING. JOSE KÄLIN, Oberwinterthur, Switzerland. Filed Mar. 25, 1921. Serial No. 455,564. 1 Claim. (Cl. 20—15.)



In a wainscoting element, a molding arranged adjacent to one of the longitudinal edges of the element and joining on to a flat portion of the element, the molding being integral with the flat portion and all the parts of the molding projecting above the face of the flat portion so that the molding can be planed off at places to the face of the flat portion.

- 1,463,042. MOTOR SLEIGH. JOHN KRYSIAK, Four Corners, Wyo. Filed June 8, 1922. Serial No. 566,771. 5 Claims. (Cl. 305—6.)



1. In a device of the class described, a driving wheel including a hub, relatively long radial spokes carried thereby, relatively short intermediate spokes carried by said hub, a tread block pivotally secured intermediate its ends to the outer end of each longer spoke, intermediately

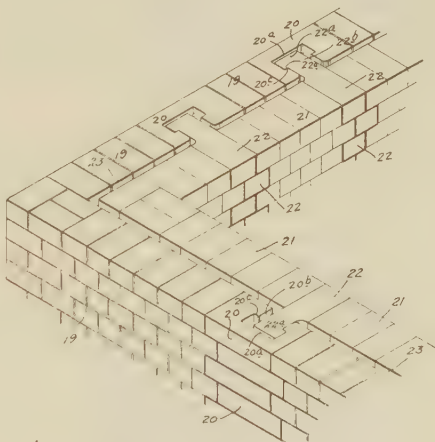
positioned tread blocks pivotally secured at their opposite ends to the adjacent ends of the aforesaid tread blocks, and link connection between the pivoted ends of said blocks and the shorter spokes whereby two adjacent tread plates will be intermittently moved into engagement with the ground at one time.

- 1,463,043. LINK. JOSEPH N. LAGASSE, Hyner, Pa. Filed July 7, 1922. Serial No. 573,503. 1 Claim. (Cl. 24—237.)



A link of the class described formed from a single piece of material and providing a main loop and two minor loops, the minor loops being parallel to each other and arranged at right angles to the major loop, the ends of the minor loops extending into the major loop and crossing each other to provide a space between their extremities and converging portions connecting the major loop with the minor loops.

- 1,463,044. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed July 6, 1920. Serial No. 394,112. 5 Claims. (Cl. 110—86.)

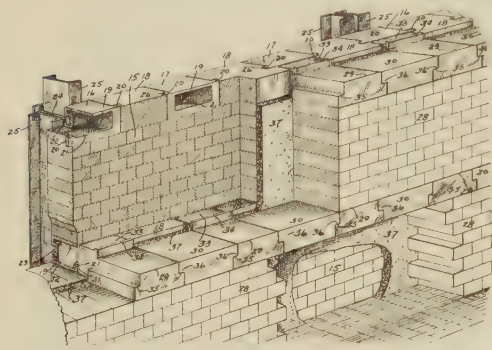


1. A wall structure made up of a main masonry outer wall and a replaceable inner facing wall, one of said walls including blocks having lock head seats with entrance throats leading thereto, and the other wall including blocks having necks formed with lock heads, said heads being insertable into and removable from interlocking engagement with said seats by movement in the wall in the space between immediately adjacent lower and upper layers of blocks or bricks.

- 1,463,045. FURNACE-WALL STRUCTURE. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Sept. 7, 1920. Serial No. 408,698. 7 Claims. (Cl. 72—101.)

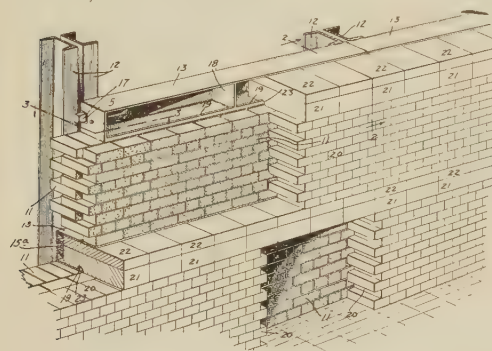
4. A wall structure comprising a permanent outer wall and a replaceable inner wall, said outer wall including horizontally spaced anchoring boxes and horizontally in-

terposed blocks, and said inner wall having built therein anchoring tiles with projecting ends that are detachably



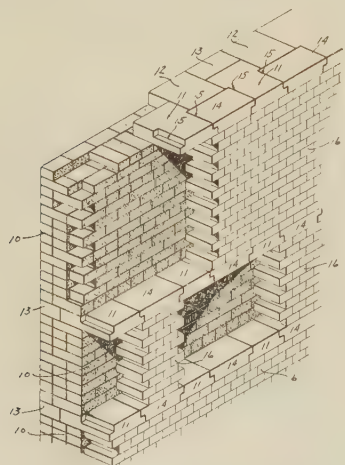
anchored within the anchor boxes of said outer wall and afford supporting shelves for elements of the inner wall.

1,463,046. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Sept. 7, 1920. Serial No. 408,699. 7 Claims. (Cl. 72—101.)



1. A wall structure comprising a permanent outer wall and a replaceable inner wall, said outer wall having metallic anchor boxes built therein, and said inner wall having built therein anchoring tiles with ends that project into and are interlocked to said anchor boxes.

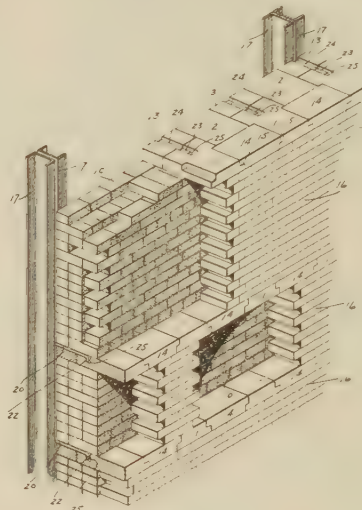
1,463,047. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Dec. 10, 1921. Serial No. 521,376. 10 Claims. (Cl. 72—102.)



1. A wall structure comprising a permanent masonry wall and a replaceable wall, said permanent wall having

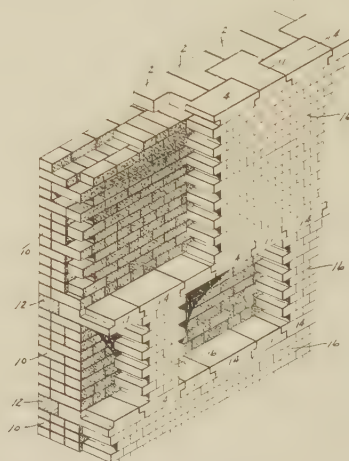
non-metallic elements constructed and arranged to form horizontal rows of vertically spaced pockets, and said replaceable wall including shelf-forming tiles that are detachably anchored in the pockets of said permanent wall and project into the replaceable wall and form horizontal shelves that support independently replaceable overlying belts of the latter.

1,463,048. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Dec. 10, 1921. Serial No. 521,377. 2 Claims. (Cl. 72—102.)



1. A wall structure comprising a permanent masonry outer wall, and a replaceable masonry inner wall, said inner wall having shelf-forming tiles extended from said inner wall into said outer wall and detachably anchored therein, buckstays at the exterior of said wall structure, and metallic anchors interlocked to said shelf-forming tiles and extended therefrom through said outer wall and anchored to said buckstays.

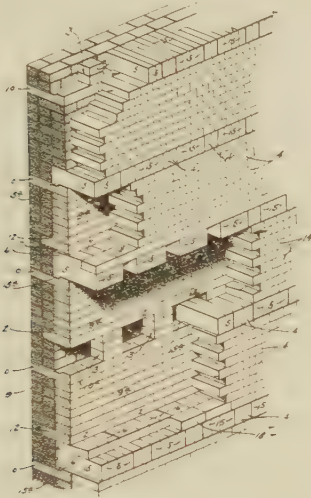
1,463,049. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Dec. 10, 1921. Serial No. 521,378. 5 Claims. (Cl. 72—102.)



1. A wall structure comprising a permanent masonry outer wall and a replaceable masonry inner wall, said outer wall having vertically spaced horizontal tile layers

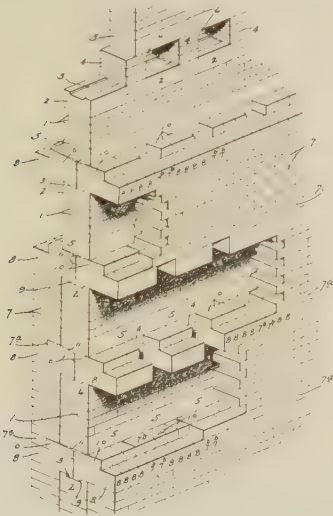
made up of alternately reversed L-shaped tiles, and said inner wall including shelf-forming tiles partly imbedded in seats formed in said outer wall by said L-shaped tiles.

1,463,050. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Apr. 8, 1922. Serial No. 550,841. 15 Claims. (Cl. 72—102.)



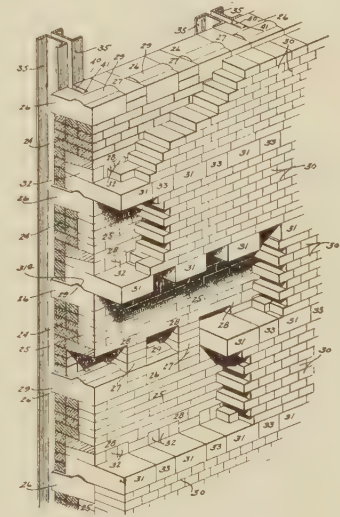
1. A composite furnace wall comprising a permanent masonry outer wall having therein horizontal rows of sill-forming blocks, overlying horizontal rows of lintels and intervening pilasters, forming vertically spaced rows of horizontally spaced pockets, in combination with a high refractory replaceable masonry inner wall including shelf-forming blocks projected into and anchored within the pockets of said permanent wall.

1,463,051. PARTITION WALL FOR FURNACES. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Apr. 8, 1922. Serial No. 550,842. 7 Claims. (Cl. 72—102.)



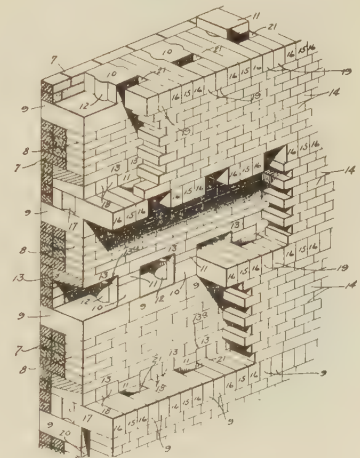
1. A composite partition wall for furnaces comprising a permanent center wall and shelf-forming elements anchored to and projecting from opposite sides of said wall, and replaceable facing walls anchored to said center wall by said shelf-forming elements.

1,463,052. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Apr. 24, 1922. Serial No. 556,195. 12 Claims. (Cl. 72—102.)



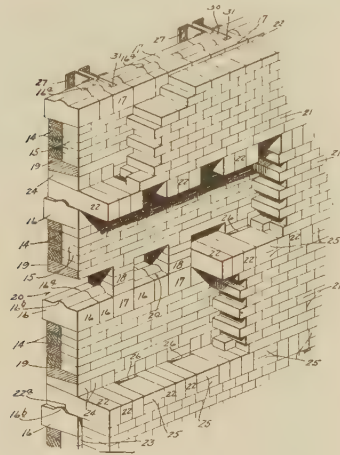
1. A composite furnace wall comprising a permanent masonry outer wall having therein horizontal rows of sill-forming blocks, overlying horizontal rows of lintels and intervening pilasters, forming vertically spaced rows of horizontally spaced pockets, in combination with a high refractory replaceable masonry inner wall including shelf-forming blocks projected into and anchored within the pockets of said permanent wall, said shelf-forming blocks each being substantially the width of a co-operating pocket.

1,463,053. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Apr. 24, 1922. Serial No. 556,196. 6 Claims. (Cl. 72—102.)



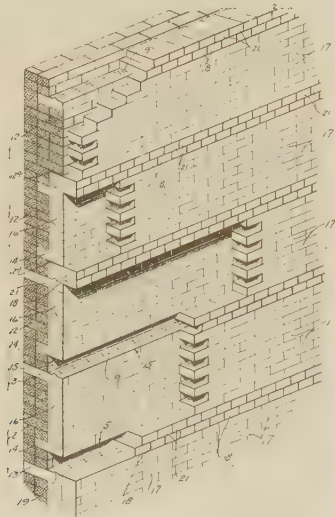
1. A composite furnace wall comprising a permanent masonry outer wall having horizontally spaced pilasters and intervening pockets, in combination with a high refractory inner wall including shelf-forming blocks that project into the pockets of said permanent outer wall, said shelf-forming blocks comprising outside and intermediate sections, the former having interlocking engagement with said pilasters and being held interlocked therewith by the intermediate lock sections.

1,463,054. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed May 1, 1922. Serial No. 557,701. 15 Claims. (Cl. 72-102.)



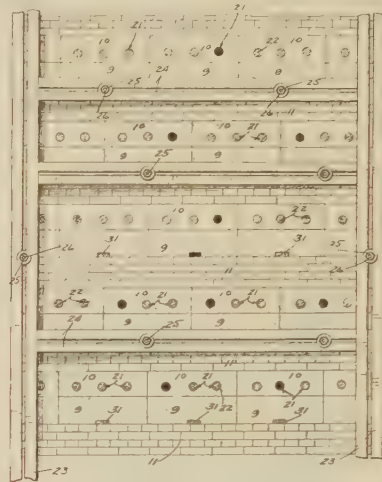
1. A composite furnace wall comprising a permanent masonry outer wall with pockets extending through the same, in combination with a highly refractory replaceable inner wall including shelf-forming blocks seated in said pockets and extending from said replaceable inner wall through said permanent outer wall.

1,463,055. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed May 19, 1922. Serial No. 562,126. 10 Claims. (Cl. 72-102.)



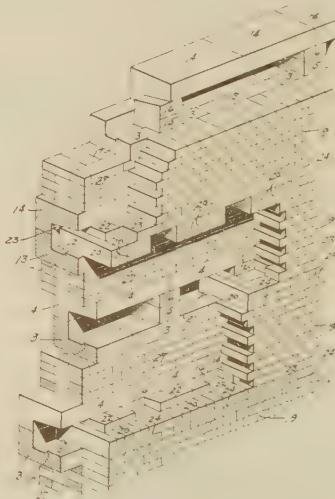
1. A composite furnace wall comprising a permanent masonry outer wall having therein a long continuous channel, in combination with a highly refractory replaceable inner wall including shelf-forming blocks placed adjacent each other in a continuous row and extended into and anchored within the channel of said permanent outer wall, said replaceable inner wall further including belts of highly refractory material supported by said shelf-forming blocks.

1,463,056. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed July 17, 1922. Serial No. 575,737. 23 Claims. (Cl. 73-102.)



19. As a new article of manufacture, a tile anchor box of rectangular formation provided with rectangular pocket-forming cavities that extend less than from end to end thereof.

1,463,057. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Sept. 18, 1922. Serial No. 588,746. 15 Claims. (Cl. 72-102.)

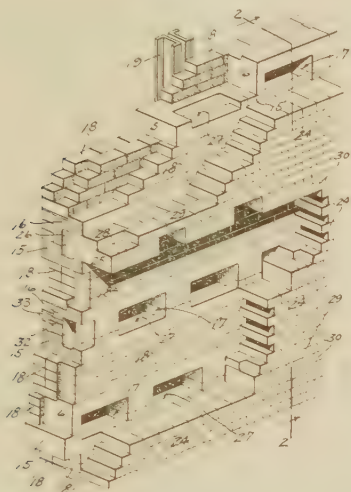


1. A wall structure made up of a masonry outer wall and a replaceable inner wall, said outer wall including channel shaped tile anchoring boxes affording sill blocks and lintels, and pilasters interposed between the sill and lintel-forming portions of said anchor boxes, and said inner wall including shelf-forming blocks extended into and anchored within said anchor boxes.

1,463,058. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn. Filed Oct. 6, 1922. Serial No. 592,750. 12 Claims. (Cl. 72-102.)

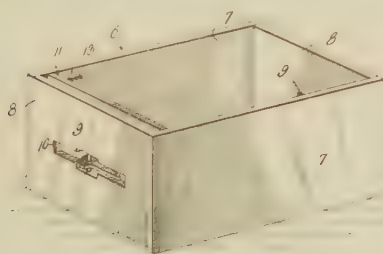
1. A wall structure made up of a masonry outer wall and a replaceable inner wall, said outer wall including tile anchor boxes and said inner wall including shelf-

forming blocks extended into and anchored within said anchor boxes, said anchor boxes being rectangular, the bottom portions thereof affording sills and the top portions thereof affording lintels and the end portions



thereof affording pilasters in the outer wall, said anchor boxes being horizontally divided and set with their pocket-forming portions aligned but with their pilaster-forming end portions offset so as to form staggered joints between the upper and lower box-forming sections.

1,463,059. BOX. JAMES F. MATTHEWS, North Augusta, S. C., assignor of fifty-one one-hundredths to Wade H. White, Augusta, Ga. Filed May 6, 1922. Serial No. 559,014. 5 Claims. (Cl. 217-65.)



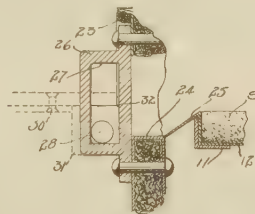
1. A receptacle, a member arranged therein to vary the interior size thereof, and a cam associated with the receptacle and adapted to move the member inwardly thereof.

1,463,060. ANTISKIDDING DEVICE. CONSTANTINE L. OCZKOWSKI, Bunell, Colo. Filed Feb. 21, 1922. Serial No. 538,156. 2 Claims. (Cl. 152-14.)



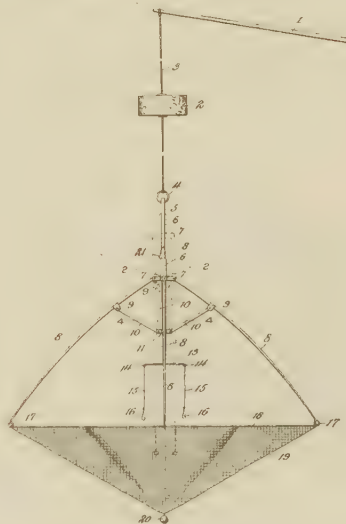
1. In an anti-skidding cross chain for motor vehicles, a link including a body portion of H-shape in plan with the legs thereof at one end connected at their bottom edges by a web, said web being extended beyond the end edges of said legs into hook shape, and a pivot pin between and connecting the legs at the opposite end of the body portion for pivotal and detachable reception of the hook-shaped member of another similar link.

1,463,061. PORTABLE OVEN. IGNATZ H. PAWLICK, Chicago, Ill., assignor to Enterprise Portable Oven Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 17, 1922. Serial No. 553,359. 5 Claims. (Cl. 126-275.)



1. The combination with an oven comprising a plurality of side walls removably secured to each other, of a frame removably disposed in said oven, said frame being composed of a plurality of members bolted together, shelves carried by said frame, baffle plates carried by said frame and being disposed between said frame and the oven walls, an oven door communicating with each shelf, and a plate carried by each shelf and extending to the oven door.

1,463,062. FISHING TACKLE. EFFIE M. ROBERTS, St. Louis, Mo. Filed May 17, 1921. Serial No. 470,403. 4 Claims. (Cl. 43-105.)

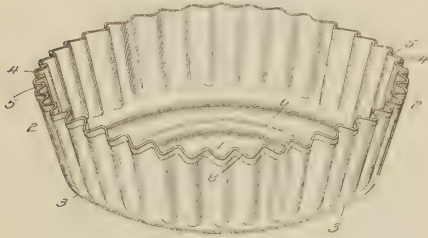


1. In a fishing tackle, the combination of a collapsible frame, a net secured thereon and adapted to be expanded by said collapsible frame, a staff, said frame comprising a collar slidable on the staff, rods pivotally connected to and radiating from said collar, a plurality of links having pivotal connections with the radius rods and the staff, and a plurality of hooks suspended from the staff and in spaced relation with the net the expanded net when being raised from the water adapted to prevent loss of fish engaged by the hooks and to catch fish in the vicinity of the hooks.

1,463,063. PAN. CHARLES RYSDON, Sioux Falls, S. Dak. Filed Feb. 19, 1923. Serial No. 619,973. 2 Claims. (Cl. 119-61.)

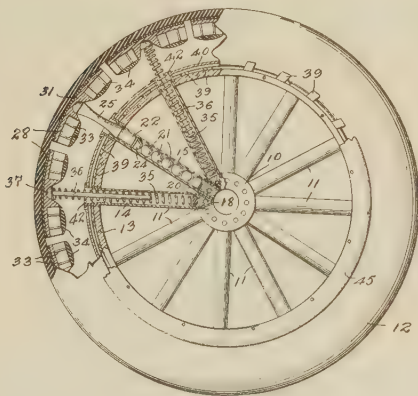
2. A pan for feeding pigs comprising an imperforate upwardly extending continuous seamless slightly flared rigid metallic body portion having formed integral therewith an imperforate seamless bottom formed with an upwardly extending continuous circular rib semi-cylindrical in cross section, said body portion provided

throughout with alternately disposed inwardly and outwardly extending corrugations and further having its top marginal part reinforced by a narrow snugly fitting overlap of the material from which the body portion is constructed thereby providing the body portion with a top edge of double thickness, said overlap arranged



against and conforming in contour to the outer face of said body portion, the corrugations of said body portion being substantially V-shaped in contour and gradually increasing in depth from the lower to the upper end thereof and further starting at a point in close proximity to the lower terminus of the body portion.

1,463,064. RESILIENT WHEEL. ABEL SEQUEIRA, New Bedford, Mass. Filed July 22, 1922. Serial No. 576,696. 2 Claims. (Cl. 152—29.)

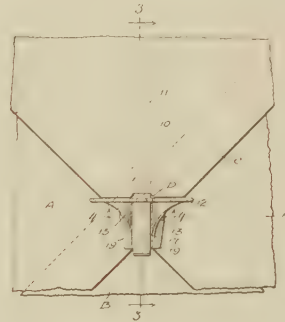


1. In a wheel of the character described, an exteriorly threaded spoke tube, a felly element, means to engage laterally outwardly of the edges of tire shoes of the general character indicated, an interiorly threaded sleeve adapted to screw upon the spoke tube and enlarged at its outer part, and a shoe retaining member apertured and receiving the sleeve therein for confinement by the enlargement, and resilient shoe load sustaining means operative on the spokes.

1,463,065. SNOW GUARD AND FENDER. HENRY N. SIEGER, Slatington, Pa. Filed Jan. 30, 1923. Serial No. 615,918. 5 Claims. (Cl. 108—27.)

1. As a new article of manufacture, a snow guard embodying a bar or strap adapted to be secured at one end to a roof, an upstanding plate secured to the opposite end having a depending rib in longitudinal align-

ment with the bar or strap and with the under face of the rib in the same plane as the under face of the



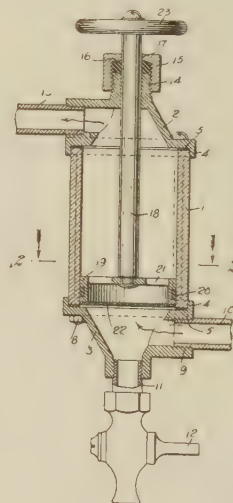
bar, and lateral bearing flanges provided on said plate disposed in a plane above the under face of the plate and strap.

1,463,066. METHOD OF MAKING SEAMLESS UPPERS.

DANIEL G. CARTER, Mosheim, Tenn. Filed Feb. 25, 1922. Serial No. 539,305. 2 Claims. (Cl. 69—21.)

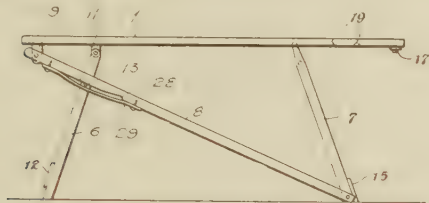
2. The method of making seamless uppers which consists in conforming a pattern of green hide to a last, subjecting it while so conformed to a tanning process a sufficient length of time to permit the tanning process to give it a set shape, removing it from the last, nesting it with other similarly shaped patterns and subjecting the nested group of patterns for a further length of time to the tanning process until tanned.

1,463,067. STRAINER. JAMES H. CRARY, Brooklyn, N. Y. Filed May 28, 1921. Serial No. 473,526. 4 Claims. (Cl. 210—165.)



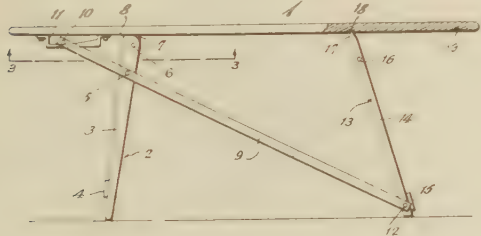
1. A fluid strainer comprising a cylindrical body, a head at the lower end provided with an inlet and a drain, a head at the upper end provided with an outlet, and a strainer element mounted in said body and having exteriorly disposed means for effecting reciprocations of the strainer between the opposite ends of the body for the purpose of cleansing the same by its movement through the liquid trapped in the body.

1,463,068. IRONING BOARD. JOHN P. DORAU, North Fond du Lac, Wis. Filed May 31, 1921. Serial No. 473,606. 4 Claims. (Cl. 68—10.)



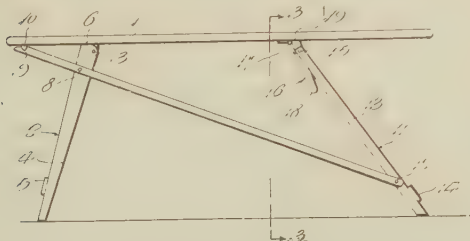
1. An ironing board, side strips pivotally connected with said board beneath one end thereof, a support pivotally connected with the board in spaced relation to the mounting of said side strips and comprising side bars and a cross rod engaging the under faces of the side strips, the side strips being provided with recesses receiving said cross rod, and resilient strips secured to the side strips and engaging the cross rod to hold the same in sliding engagement with the side strips, said side strips and support folding up against the underface of the board with the support positioned between the side strips, a support pivotally connected with the free ends of the side strips for engaging the second end portion of the board when in an operative position and for engaging and securing the first support when in a folded position, and means for locking the second support in a folded position.

1,463,069. FOLDABLE IRONING BOARD. JOHN P. DORAU, North Fond du Lac, Wis. Filed Feb. 20, 1922. Serial No. 537,877. 1 Claim. (Cl. 68—10.)



An ironing board having a pivoted inwardly foldable leg structure at one end, a pair of inclined braces pivoted near their upper ends to said leg structure and connected at said upper ends by a transverse horizontal rod under the board, a pair of horizontally elongated guides secured to the lower side of the board and slidably receiving said rod, and a second leg structure pivoted to and rising from the lower ends of said braces, the upper end of said second leg structure having detachable engagement with the board.

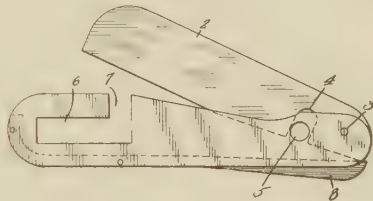
1,463,070. FOLDABLE IRONING BOARD. JOHN P. DORAU, North Fond du Lac, Wis. Filed Feb. 20, 1922. Serial No. 537,878. 3 Claims. (Cl. 68—10.)



1. An ironing board supporting frame formed of pivotally connected framing members and including a pair of pivoted members, an operating lever hinged to the

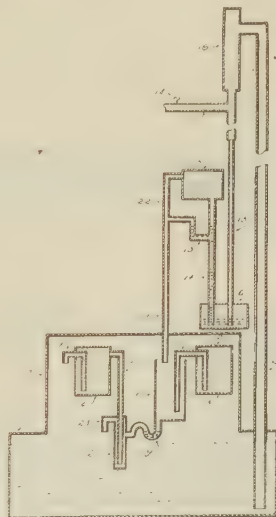
ironing board on a transverse axis and extending downwardly between the upper ends of said members, and a pivot parallel with the hinge axis connecting said ends of said members with said operating lever, the lower end of said lever being shaped to form a hand-hold for forcing the lever and members beyond dead center to effective position, means being provided for then limiting the movement of the lever.

1,463,071. ANTISKID-CHAIN HOOK. GEORGE B. N. DOW and FRANK P. HAM, Manchester, N. H., assignors to George J. Clarke, West Hanover, Mass. Filed Nov. 21, 1922. Serial No. 602,370. 2 Claims. (Cl. 24—233.)



1. A device of the class described comprising a body member having a longitudinally extending pocket in one edge thereof and an outwardly yielding spring in the other edge, said body having an L-shaped recess at one end thereof with the short arm opening through said pocket and adapted to receive a chain link, a blade pivotally mounted at one end in said pocket and adapted to close said L-shaped recess and normally held closed by said spring, and cooperating means carried by said blade and body for the reception of a chain link whereby the blade is held in closed position by the link when the device is in use.

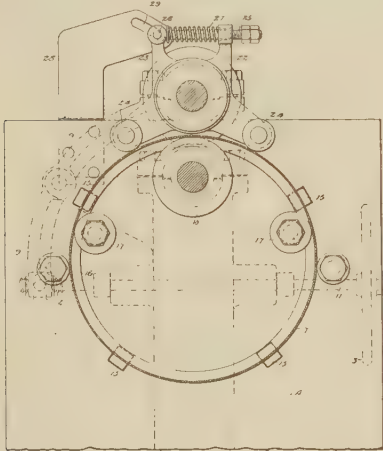
1,463,072. STATIONARY CHEMICAL-MIXING FIRE-EXTINGUISHER SYSTEM. JOHN W. ENRIGHT, New Orleans, La. Filed Nov. 23, 1920. Serial No. 426,021. 11 Claims. (Cl. 169—8.)



1. In a stationary chemical mixing fire extinguisher system a tank for an alkaline solution, a reservoir for a liquid medium having a discharge outlet, a mercury seal normally interposed in said outlet, an acid receptacle having a discharge siphon pipe, one leg of which extends into the said reservoir, and means operative under fire emergency conditions for charging said reservoir with liquid, the liquid entering said siphon leg, the weight of

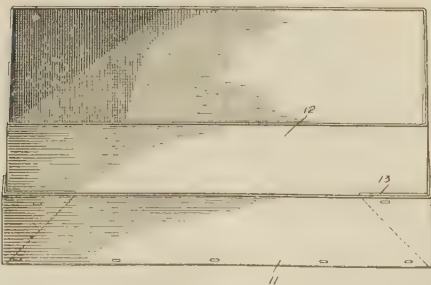
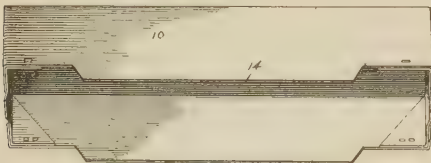
the liquid ultimately overcoming the mercury of said seal and discharging therefrom, the discharge of the liquid from the reservoir and siphon leg initiating the siphoning of acid from the acid receptacle.

- 1,463,073. MACHINE FOR SHAPING CYLINDERS. ABRAM VAN AKEN FELTEN, Danbury, Conn., assignor to The New England Metal Barrel Corporation, Danbury, Conn., a Corporation of Connecticut. Filed Mar. 11, 1922. Serial No. 543,047. 13 Claims. (Cl. 153—28.)



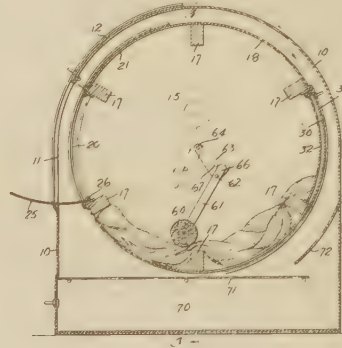
1. A cylinder shaping machine including a shaft, a second shaft, co-operating forming rollers carried by said shafts, means for movably supporting said second shaft, collars carried by said second shaft, crank arms secured one to each of said collars, a spring interposed between the upper ends of said arms for pressing the same in opposite directions, and cylinder contacting rollers carried by said arms.

- 1,463,074. BOX. CHARLES AUGUSTUS FOX, New York, N. Y. Filed May 28, 1921. Serial No. 473,547. 5 Claims. (Cl. 229—43.)



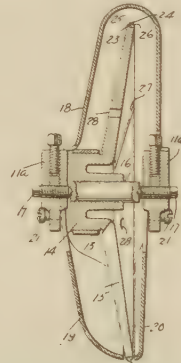
2. A box comprising tray-like sections, a lining fitted within the rim of one section over which the rim of the other section is adapted to fit, and securing elements engaging through the first named rim and lining, one rim having extension flaps to overlap the other.

- 1,463,075. FUR SOFTENING AND CLEANING MACHINE. SAMUEL FRIEDMAN, Brooklyn, N. Y. Filed Sept. 9, 1921. Serial No. 499,483. 15 Claims. (Cl. 15—90.)



1. In a fur softening and cleaning machine, a rotatable tumbling drum, a cushioned member, and suspension means suspending the said cushioned member within the drum in close proximity with the inner surface of the drum.

- 1,463,076. FLESHING MACHINE. SAMUEL FRIEDMAN, Brooklyn, N. Y. Filed Oct. 27, 1921. Serial No. 510,723. 11 Claims. (Cl. 149—15.)

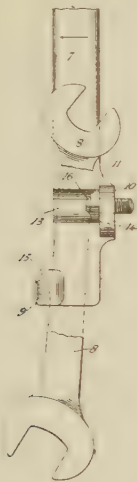


6. A fleshing knife of the class described including a sectored body adapted to be contracted, and a separate annular cutter element at the periphery, said body having an annular depression in which said cutter element is detachably seated, the material of the body extending radially at the back of said groove beyond the material at the front of the groove.

- 1,463,077. SPANNER. WILLIAM RALEIGH KERR GANDELL, London, England. Filed July 3, 1922. Serial No. 572,588. 3 Claims. (Cl. 81—90.)

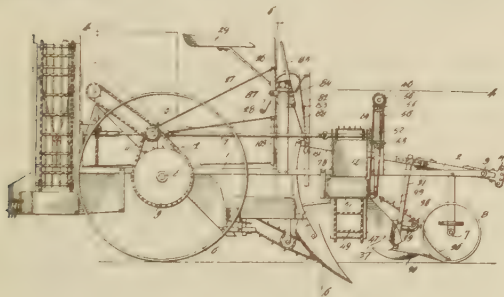
1. A tool for applying additional leverage to a shaft of a spanner, comprising a metal bar having an abutment device adjacent one of its ends for engaging one side edge of the shaft of a spanner when a face of the latter is in juxtaposition to a face of the bar, said abutment device being located at one side of the bar and comprising a body part upstanding from the plane of its said face and lip parts projecting from the body part, one lip part extending in a direction transverse of said face and another lip part extending in a direction parallel with the longitudinal axis of that face, a second abutment device carried by the opposite side of said bar for engaging the opposite side edge of the shaft of the spanner, said second abutment device comprising a

stem upstanding from the plane of said face of the bar and having a part integral therewith and projecting therefrom in a direction parallel with the longitudinal



axis of the said face and also having a second part projecting therefrom in a direction transverse of said face, substantially as described.

1,463,078. BEET HARVESTER. RONALD F. GILMORE and WILLIAM G. JOHANSEN, Algona, Iowa. Filed July 17, 1919. Serial No. 311,421. 5 Claims. (Cl. 55—107.)



1. In a harvester of the character set forth, a standard having an enlargement at its lower end, a cutter, a tubular stem projecting from the cutter and slidably mounted on the standard and having its upper portion drawn inward to engage the enlargement of the standard to limit the movement of the cutter in one direction and an expansible helical spring mounted within the tubular stem of the cutter and normally pressing the latter downwardly.

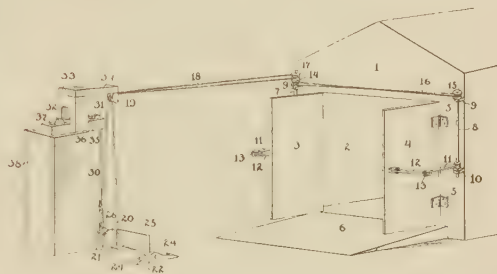
2. In a harvester of the character specified, a topping mechanism, a supporting beam therefor, and means adjustable vertically against one end of the beam for adjusting the topping mechanism vertically.

3. In a harvester of the character specified, the combination with a topping mechanism, of a supporting beam laterally adjustable at one end, and means movable vertically against the adjustable end of the beam for adjusting the topping mechanism vertically.

4. In a harvester of the character specified, a beam, a topping mechanism carried thereby, a guide on opposite sides of the beam, and means under the control of the operator for adjusting the beam vertically and laterally between the guides.

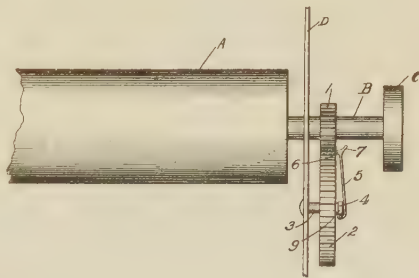
5. In a harvester of the character specified, a topping mechanism, a digger mechanism, a means joining the two mechanisms, and means for moving the beam to simultaneously adjust the mechanism vertically and laterally.

1,463,079. MEANS FOR AUTOMATICALLY OPENING DOORS OR GATES. GEORGE NEWTON GIVENS, Colfax, La., assignor of two-fifths to Charles E. Duffey, Colfax, La. Filed May 27, 1921. Serial No. 472,988. 1 Claim. (Cl. 268—9.)



In a device for automatically opening doors by vehicle wheels, vehicle wheels, the combination with swinging doors, rods mounted for rotation adjacent the doors, a lever rigidly connected at one end to a rod, a link pivotally connected at one end to the free end of the lever, with the other end of the link pivotally connected to a door, means operatively connecting the rods together for simultaneous rotation but in opposite directions, a crank pivotally mounted remote from said rods, a shaft operated by said crank, an arm operated by said shaft, a drum loosely mounted on the shaft between the arm and the crank and provided with spaced projections on the side of the drum adjacent the arm, said arm adapted to alternately engage said projections to rotate the drum in either direction, means operatively connecting the drum with one of the rotatively mounted rods for transmitting rotary motion from the drum to one of the rods, a hollow post located in protective relation to the shaft, drum, and operating arm, a weight adapted to be operated within the post, and a flexible means connecting the operating arm with the weight and supported upon the post.

1,463,080. TYPEWRITER ATTACHMENT. FRANCES GRAY, Wilkinsburg, Pa. Filed Feb. 14, 1921. Serial No. 444,747. 1 Claim. (Cl. 197—189.)

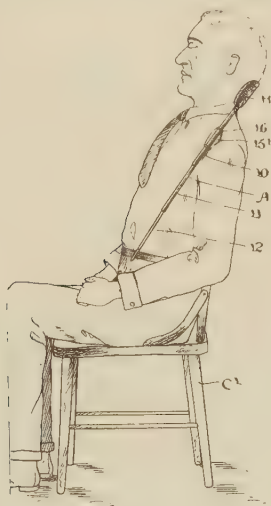


The combination with a typewriter platen, of an adjustable automatic stop including a gear revoluble with and having its axis fixed relative to the platen, another gear meshing with the platen gear, a combined stop and index extending from the axis of the driven gear and adjustable angularly to different positions on said gear, said stop and index being shiftable laterally into engagement with any of the teeth on its gear, said stop and index being movable by the rotation of the platen, into the pass between the gears to stop the rotation of the platen.

1,463,081. HEADREST. ABRAM O. HANCOCK, Richmond, Va. Filed Feb. 16, 1922. Serial No. 537,055. 4 Claims. (Cl. 155—175.)

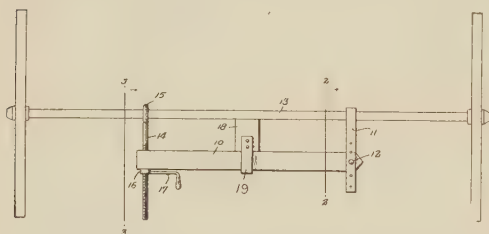
4. A device of the character described, comprising in combination, a head rest consisting in a plate member with padding upon one side thereof, a projection ad-

adjacent each end of the plate and extending from the inner edge thereof, an arm pivotally connected at its one end to each extension and each arm comprising a plurality of telescopic tubular sections, the innermost section in



each instance being adapted to receive the other sections and then folded inwardly and upon the associated edge of the head rest, and a pad slidable longitudinally of the innermost tubular section of each arm for the purpose described.

1,463,082. AXLE STRAIGHTENER. JARNETT E. HANES, Alma, Ill. Filed Oct. 20, 1921. Serial No. 509,103. 1 Claim. (Cl. 153—38.)

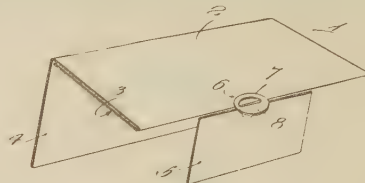


A device of the class described comprising a beam member having a transverse aperture at one end and a vertical aperture in the other end, a block slidably bearing on said beam adapted to engage an axle, a U-shaped strap engaging around said beam and connected to said block and slidably coupling the block to the beam, another U-shaped strap having a plurality of transverse apertures through its side portions and adapted to engage around the axle, a transverse pin engaging through one pair of the apertures of the last mentioned strap and likewise through the transverse aperture of the beam member, a threaded rod extending through the vertical aperture of the beam and having means for detachably engaging the rod at one end with the axle, and a nut device engaging the threads of the rod and bearing against the beam.

1,463,083. SEAL FOR FOLDERS. MILTON HARTMAN, Detroit, Mich., assignor to Localized Advertising Corporation, Detroit, Mich. Filed June 5, 1922. Serial No. 565,856. 2 Claims. (Cl. 229—92.5.)

1. In combination, a folder embodying a plurality of pages, a return card or the like positioned between them,

and a seal folded into halves and having a tab, the tab being secured to said card and the halves being secured



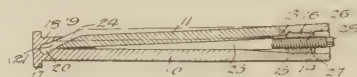
respectively to the outer pages to hold them together and to maintain the card in place between them.

1,463,084. REPAIR DEVICE FOR FISHING RODS. DONALD MCCORMACK HUDSON, Bend, Oreg. Filed Sept. 8, 1921. Serial No. 499,237. 1 Claim. (Cl. 287—126.)



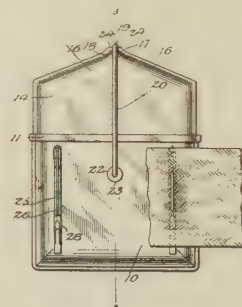
A repair device for fishing rods comprising a socket member and a ferrule member, said ferrule member being adapted for reception within said socket member, and means for attaching each of said members to its respective broken part of a fishing rod, said means consisting of a plurality of kerfs formed in the socket member and the ferrule member whereby the same are expandable to receive rods of various diameters and a collar adapted to be received by each of said members and to contact its split portion about its respective section of the fishing rod to which it is attached and cause the split portion to grip the rod to secure the respective members in position thereon.

1,463,085. HAIR-WAVING DEVICE. OSCAR J. HUNGER-BÜHLER and CHARLES SCHOPPER, Far Rockaway and New York, N. Y. Filed June 22, 1922. Serial No. 570,238. 3 Claims. (Cl. 132—39.)



2. A hair curler and waver comprising an expandable tubular member upon which the hair is adapted to be wound, means extending into said tubular member for expanding the same whereby the coils of hair are drawn taut thereupon, and interengageable means at the inner end of said member, operable upon expansion of the same for locking the hair thereto.

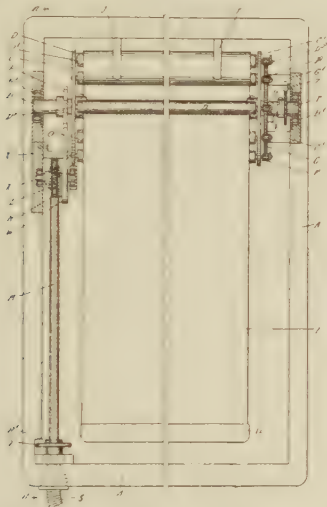
1,463,086. WATERPROOF CARRYING CASE. JACK D. KELLY, Elmhurst, N. Y. Filed Apr. 29, 1922. Serial No. 557,347. 2 Claims. (Cl. 206—41.)



2. In a waterproof carrying case of the character described, a tubular body and cover each having a closed end and an open end and adapted for telescopic associ-

ation, an externally disposed flange provided on the body adjacent the open end thereof, a resilient gasket seated on said flange with which the open end of the cover is adapted to engage when in closed position on the body, a ball pivoted to the body for longitudinal swinging movement, a pair of centrally disposed upstanding parallel beads on the cover defining therebetween a receiving depression or groove for the reception of the bight of said bail, whereby upon engagement with the cover said bail will function to impinge the open end of the cover against the gasket and said gasket will in turn function to tensionally maintain the bight of the bail within the receiving depression against casual displacement.

1,463,087. ROLLER-BLIND ADVERTISING DEVICE. WILHELMUS H. LEYDEKERS and WILLIAM OLIVER RUDDLE, London, England. Filed Dec. 14, 1922. Serial No. 606,941. 3 Claims. (Cl. 40—84.)

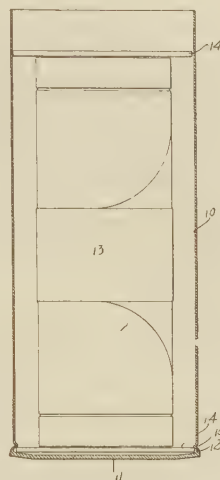


1. An advertising device comprising in combination with a supporting frame, a shaft mounted therein a circular toothed rack fixed to the frame, said rack having a circumferentially disposed toothless notch, a pair of flat circular discs spaced apart and fixed to the shaft, a number of spindles arranged in a circular row between the discs, the opposite ends of each spindle pivoted, respectively, on the two discs, a roller on each spindle, a flexible advertisement-carrying blind attached at one end to each roller, a toothed pinion fixedly mounted at one end of each spindle, the teeth of the pinions arranged to mesh with the teeth on the rack in order to cause the rollers to travel around the rack and simultaneously rotate upon their axes in a direction to roll the blinds thereon, ratchet gear mechanism for imparting a step-by-step rotary motion to the shaft and the roller-carrying discs, each pinion in turn being adapted to pass in front of the notch on the rack thereby passing out of mesh with the rack and permitting the corresponding roller to turn in the reverse direction to allow the blind rolled thereon to unroll under the action of gravity, means comprising a shaft and worm-gear for actuating said mechanism, and means for causing the said roller to re-start turning in the rolling-up direction and the teeth on its pinion to re-engage with the teeth of the rack.

1,463,088. RECEPTACLE. FRANCIS JAY LYNCH, Bloomfield, N. J. Original application filed May 6, 1921, Serial No. 467,415. Divided and this application filed Dec. 3, 1921. Serial No. 519,623. 2 Claims. (Cl. 206—46.)

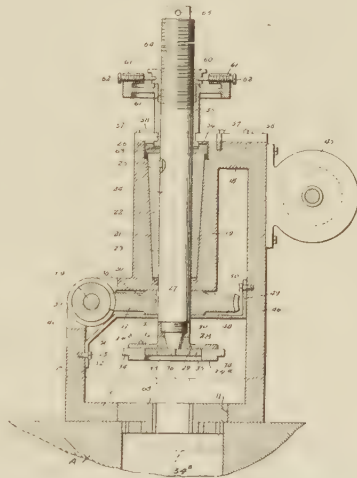
1. A receptacle including side walls, and end portions, said receptacle being adapted to house a cartridge having

end flanges normally lying adjacent the end portions of said receptacle, and ridges forming a part of the side



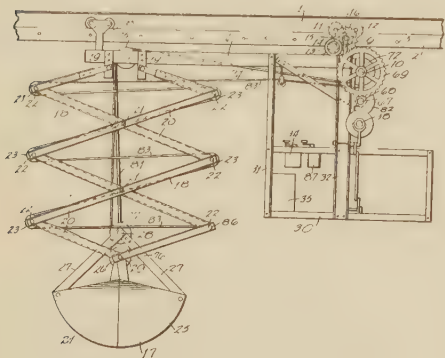
wall of said receptacle, said ridges being adapted to overlap and engage said elements, to prevent a movement of said cartridge with respect to said receptacle.

1,463,089. REBORING MACHINE. DAVID L. MARTYN, Vancouver, Wash. Filed Sept. 28, 1921. Serial No. 503,866. 9 Claims. (Cl. 77—2.)



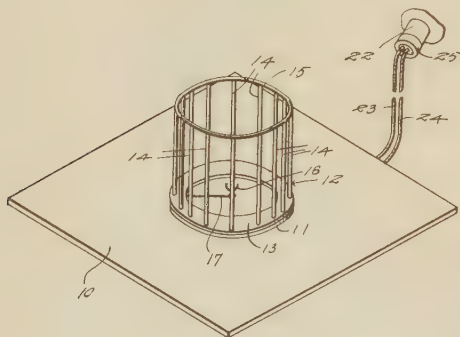
1. A re-boring machine comprising a frame including a vertical housing, a vertically disposed bearing mounted within the latter, a bearing engaging member engaging the upper end of the bearing, a compressible element mounted in said member, a boring bar extending through said bearing and housing, a grooved, bar-feeding device mounted on said element and provided with means for connection with the bar for feeding the latter, and adjustable means connected with the frame and housing and extending into the groove of the feeding device for coupling rotatably the latter with the frame and further adapted for compressing at will said element to cause a non-rotative engagement of the feeding device with the frame and a corresponding feed of the bar.

1,463,090. CLAMSHELL-BUCKET-OPERATING MECHANISM. SAMUEL OSCAR NAFZIGER, Goshen, Ind. Filed Oct. 7, 1920. Serial No. 415,248. 8 Claims. (Cl. 212-127.)



1. A device of the type described comprising a supporting rail, a frame movable along and supported by said rail, an operator's platform carried by said frame, a clam shell bucket, actuating means for said bucket carried by said platform, means connecting said bucket with said actuating means, and means carried by said frame for positively holding said bucket in a fixed position, said means comprising two lazy tongs each secured to one side of said bucket at one of their ends, and fastened to said frame at their other ends, and means for positively holding said lazy tongs in a fixed position.

1,463,091. ANIMAL TRAP. KENT PEARSON, Marion, Iowa. Filed Mar. 3, 1922. Serial No. 540,712. 2 Claims (Cl. 43-98.)

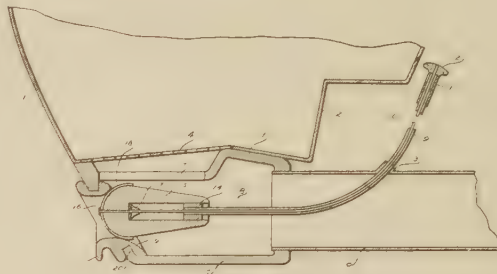


1. A trap having a base electrode, an insulating disc thereon, a bait holder insulated from said electrode and extending through said disc, an electrode on said disc, and a conductor from said bait holder to the second electrode resting on said disc.

1,463,092. LUBRICANT AND PROCESS OF PREPARING SAME. RUSSELL GEORGE PELL, London, England, assignor to Technical Research Works, Limited, London, England. Filed Sept. 29, 1922. Serial No. 591,420. 3 Claims. (Cl. 87-9.)

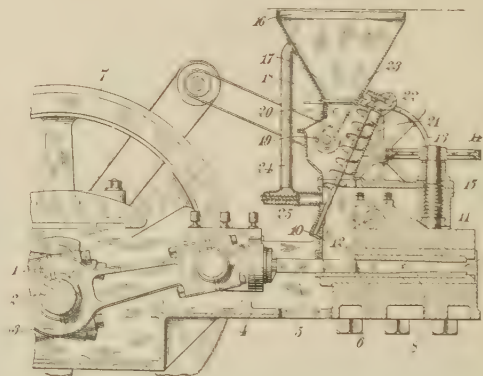
2. A composition of matter consisting of lubricating oil and aliphatic polyhydric alcohols of which the hydroxyl groups are partially replaced by acid radicals, substantially as described.

1,463,093. VALVE. JOHN W. PEARSON and JOSEPH S. POWER, Dayton, Ohio, assignors to The Davis Sewing Machine Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 28, 1921. Serial No. 456,163. 5 Claims. (Cl. 137-139.)



1. In a valve, a casing, an exit opening, a resilient seat therein, a valve member adapted to engage with said seat, means for actuating said valve member into and out of engagement with said seat, and a drain lip on said resilient seat on the exterior of said casing.

1,463,094. MANUFACTURE OF BRIQUETTES. THOMAS RIGBY, Westminster, London, England. Filed Nov. 23, 1921. Serial No. 517,300. 3 Claims. (Cl. 44-11.)

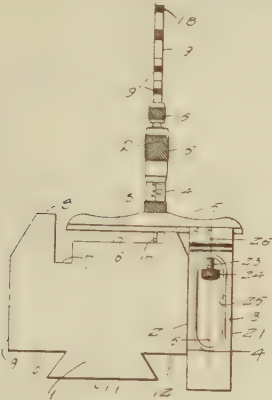


1. In a briquetting apparatus, in combination, a working chamber, a ram working therein, a hopper for material to be briquetted, means for feeding material in an uncompressed state from said hopper to the working chamber, alternative means for forcing material from said hopper into said working chamber, and means for rendering operative at will either the feeding means or the forcing means.

1,463,095. MICROMETER ATTACHMENT. ANDREW RUDNAX, Buffalo, N. Y. Filed Feb. 20, 1920. Serial No. 360,252. 5 Claims. (Cl. 33-169.)

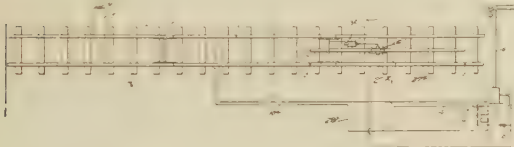
1. The combination with a depth micrometer having a straight edge member to rest on a surface from which a measurement is to be taken and having a measuring post adjustable to project transversely of and beyond the straight edge member, of an arm member parallel with the

post to cooperate therewith when projected beyond the straight edge member, and means adjustably mounting the



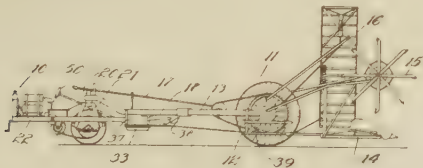
arm member for movement on the other member independently of and in a plane transversely of and relatively to the post.

1,463,096. AUTOMATIC TRAIN STOP. EMILIO R. SALAZAR, Habana, Cuba. Filed Mar. 28, 1919. Serial No. 285,831. 3 Claims. (Cl. 246—187.)



1. The combination of a locomotive steam pipe, a cut-off valve complementary thereto, an explosion chamber, a conduit intermediate said chamber and the casing of said cut-off valve, means in the explosion chamber for holding an explosive charge, and means for igniting such charge to bring about movement of the cut-off valve to close the pipe.

1,463,097. POWER DRIVE UNIT FOR AGRICULTURAL IMPLEMENTS. HERMAN L. SCHNEIDER, Glen Ullin, N. Dak., assignor of one-half to Lena Miller, Chicago, Ill. Filed Feb. 11, 1922. Serial No. 535,762. 25 Claims. (Cl. 180—13.)

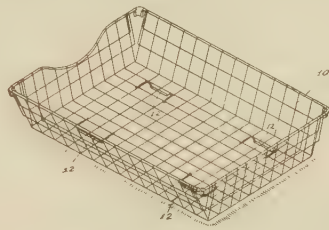


1. The combination with a push operated implement having a rearwardly extending tongue, of a pusher frame, pivotally connected to said tongue, a single wheel between the sides of said frame to support the same for swivel movement, means on said frame to drive said wheel, and means between said frame and said implement for steadying the frame.

1,463,098. DETACHABLE FOOT FOR WIRE TRAYS. FRANK M. SNYDER, Lafayette, Ind., assignor to The Peerless Wire Goods Company, Lafayette, Ind., a Corporation of Indiana. Filed Apr. 25, 1921, Serial No. 464,475. Renewed June 9, 1923. 5 Claims. (Cl. 220—69.)

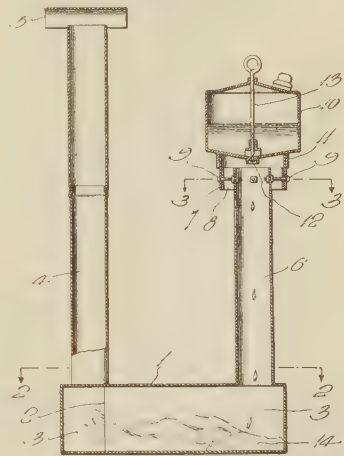
5. A detachable foot for wire stays, comprising a wire having an intermediate portion, end portions connected to the ends of the intermediate portion and provided with

hooks arranged to hook upon two parallel wires of a tray bottom, and a transverse portion extending from the end of an end portion transversely thereto and provided at its



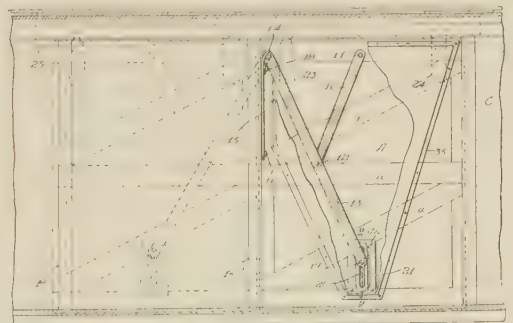
end with an upwardly open hook adapted to hook beneath a tray-bottom wire transverse to the first-named tray-bottom wires.

1,463,099. STOCK TANK HEATER. ALBERT L. STEINKE, Pipestone, Minn. Filed Mar. 15, 1923. Serial No. 625,319. 2 Claims. (Cl. 126—360.)



1. A tank heater having an upstanding air inlet pipe, a circular open-ended sleeve surrounding and spaced from the upper end of said pipe, said sleeve extending above said pipe and terminating in a horizontal plane, means rigidly mounting said sleeve on said pipe, an oil tank resting on said sleeve and having a valved drip outlet discharging into said pipe, and an annular flange on the lower end of said tank frictionally engaging said sleeve to hold the tank in place.

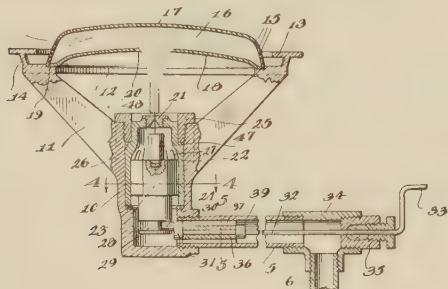
1,463,100. DOOR HANGING AND SECURING MEANS. JOHN H. STEWART, Rutherford, N. J. Filed Mar. 25, 1921. Serial No. 455,391. 21 Claims. (Cl. 20—23.)



6. In combination with a structure, and a sliding door thereon, movable transversely into or away from the doorway in addition to the sliding movements, and sus-

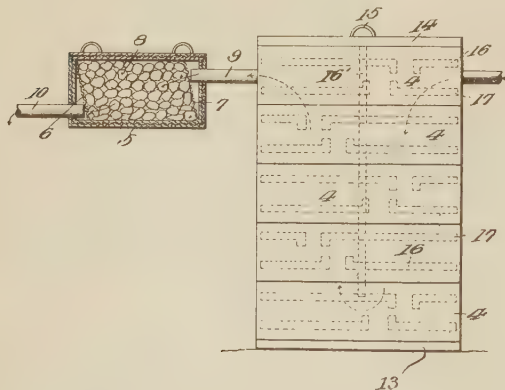
pension means pivotally secured to said door and to said structure to swing in a plane approximately parallel with the plane of the door and to swing transversely to the plane of the door to be thus constrained to conform to the sliding and transverse movements of the door.

1,463,101. VAPOR BURNER. OSCAR I. STRAUB, Buffalo, N. Y., and FREDERICK G. WAHL, Detroit, Mich; said Wahl assignor to said Straub. Filed May 1, 1922. Serial No. 557,522. 3 Claims. (Cl. 158—68.)



2. A vapor burner comprising a burner structure, a retort, heating means at the burner extending to the retort, means to place the lower part of the retort in communication with a source of liquid fuel supply under pressure, a liner having a closed top and an open bottom mounted in said retort, means to hold the liner in place, a cap in the top of the liner having an orifice, and a plunger mounted to reciprocate in the liner and having a pin fitting slidably in the orifice, substantially as described.

1,463,102. ASEPTIC TANK. GEORGE B. STRYKER, Jr., Memphis, Tenn. Filed Sept. 25, 1919. Serial No. 326,233. 1 Claim. (Cl. 72—13.)

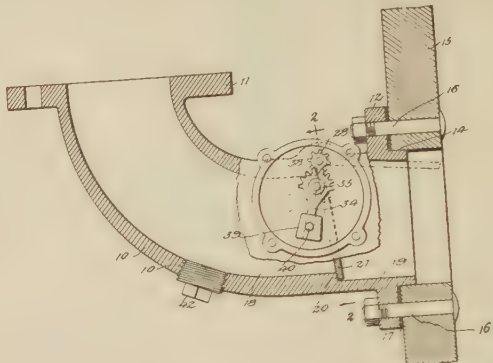


An aseptic tank comprising a plurality of rectangular sections or units constructed of plastic material, metal re-enforcing bars embedded within said sections, said bars being of right-angle construction and located with their respective angular portions at the corresponding angular portions of said sections, said re-enforcing bars being of relatively different lengths and arranged in superposed horizontal rows in each of said sections, the longer length bars overlapping the shorter length bars, and said sections having interengaging tongue and grooved portions and assembled in superposed relation, substantially as set forth.

1,463,103. CLAPPER VALVE. ALFRED F. THORSTEN, Brooklyn, N. Y. Filed Apr. 18, 1922. Serial No. 555,522. 4 Claims. (Cl. 251—126.)

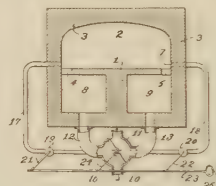
1. A clapper valve for the outboard discharge of soil, waste, or the like, from ships, comprising a valve casing having an inner restricted bore and an outer relatively

enlarged bore forming at their juncture an internal shoulder constituting a seat, a clapper swingingly mounted within the enlarged bore adjacent said seat for inward swinging movement thereagainst to a closed position, a shaft connected to said clapper and extending through one of the side walls of the casing for swingingly mounting said clapper therein, a weighted element



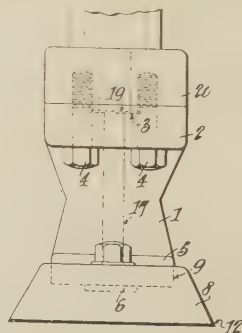
mounted for swinging movement exteriorly of the casing and adjacent the protruding extremity of the shaft, interengageable means on the protruding extremity of said shaft and said weighted element for gravitationally rotating the shaft to normally effect the closing of the clapper against its seat, and a housing provided on the side of said casing for housing the exteriorly disposed elements.

1,463,104. GAS FIRED FURNACE. WALTER RATLEDGE TWIGG, Luton, England. Filed Mar. 29, 1918. Serial No. 225,501. 11 Claims. (Cl. 158—7.5.)



1. A reversible regenerative furnace comprising a furnace structure having a hearth, pressure air regenerator chambers provided underneath the said hearth and within the furnace structure, means to deliver pressure air to the regenerator chambers, means to deliver coal gas to the furnace combustion chamber, openings in the furnace hearth adjacent the outlet end of the gas delivering means to permit admixture of air and gas for combustion, and means to effect reversal of the direction of the flow of the gas and air.

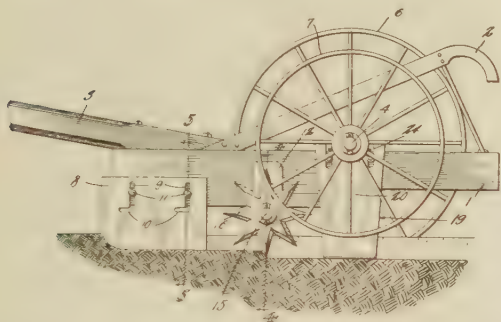
1,463,105. PLUNGER SHOE. JEAN FRANCIS WEBB, Jr., New York, N. Y., assignor to The International Signal Co., a Corporation of Arizona. Filed Dec. 30, 1922. Serial No. 609,866. 4 Claims. (Cl. 191—49.)



4. A contact shoe comprising a shank having an upper base and a lower base, means connecting the upper base

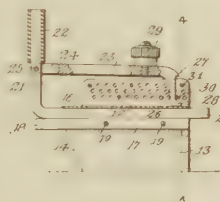
to a plunger, said lower base being cylindrical and having screw holes, a sole plate recessed to receive said lower base, said sole plate being circular in outline, said lower base and said sole plate having screw receiving holes, those of the plate being multiples of those of the base whereby the plate may be adjusted around the ends of the shank for purpose of wear, said plate having a circuitous groove in its bottom to provide an outer contact surface and an inner contact surface the width of the inner contact surface approximating that of the track ramp with which the shoe is adapted to engage.

- 1,463,106. SOD-CUTTING PLOW. JOSEPH F. WEBER, Lansing, Mich. Filed Sept. 25, 1922. Serial No. 590,464. 4 Claims. (Cl. 97—22.)



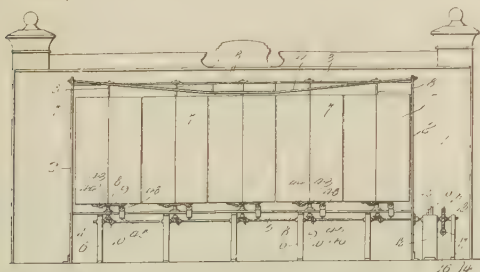
1. A device of the class described comprising a wheel mounted frame; guides; means for mounting the guides on the frame for vertical adjustment; rotary cutters journaled on the frame and located to the rear of the guides; and angular undercutters carried by the frame and disposed to the rear of the rotary cutters.

- 1,463,107. TONE ARM STOP. ROBERT H. WEITERS-HAUSEN, Pittsburgh, Pa. Filed Aug. 4, 1922. Serial No. 579,692. 10 Claims. (Cl. 274—9.)



1. A device for the purpose set forth comprising a supporting means provided with openings, a stop element selectively engaging in certain of said openings, and an adjustable combined needle positioning and tone arm arresting element slidably mounted in said means and co operating with said stop element.

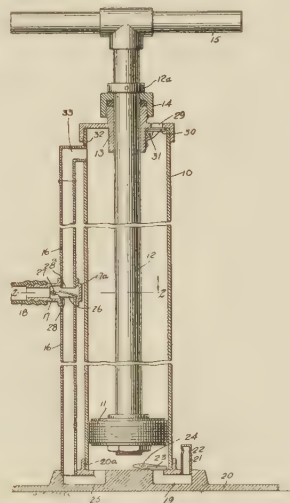
- 1,463,108. CHANGE-SIGN DEVICE. RALPH A. WILLISON and CLIFFORD N. ESEBERG, Portland, Oreg. Filed July 6, 1922. Serial No. 573,096. 10 Claims. (Cl. 40—76.)



1. A sign including a movable sign element, means for causing intermittent movement of said sign element, cam elements spaced from each other a distance corresponding

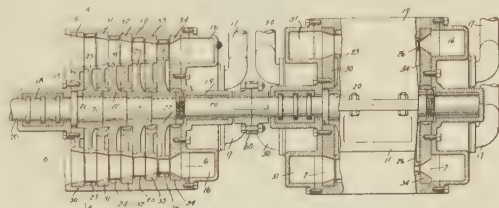
to the intermittent movement of said sign element and each having oppositely acting portions, and spring actuated means for engaging said cam elements and retarding movement of said sign element when movement thereof is about to cease and assisting movement of the sign element when movement thereof is again started.

- 1,463,109. AIR PUMP. EPHRAIM WITMAN, Sinking Spring, Pa. Filed Sept. 16, 1921. Serial No. 501,013. 1 Claim. (Cl. 230—27.)



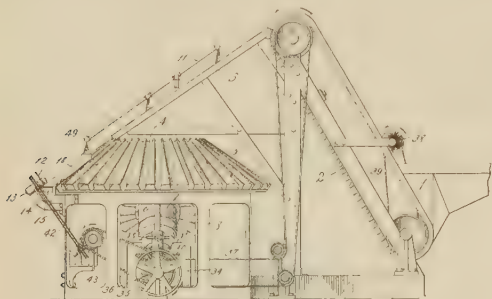
In an air pump of the class described, a cylinder, a base and a cap for said cylinder, a piston in said cylinder, an air intake opening in the cap and in the base, a hinged check valve for each of said openings disposed interiorly of said cylinder, said base having a passage-way communicating the inner chamber of the cylinder with the outside, said cylinder being formed with an opening adjacent its top end, a tube extending to said passageway, a second tube extending to said opening, a fitting having a nipple adapted to receive a rubber hose connecting said two tubes together adjacent the transverse and medial plane of the cylinder, and a hinged valve in said fitting adapted to alternately move in the front of said tube in response to the movement of the piston.

- 1,463,110. ROTARY FLUID-PRESSURE PRODUCING APPARATUS. ALBERT J. WORTHEN, San Francisco, Calif. Filed Nov. 4, 1921. Serial No. 512,742. 4 Claims. (Cl. 230—11.)



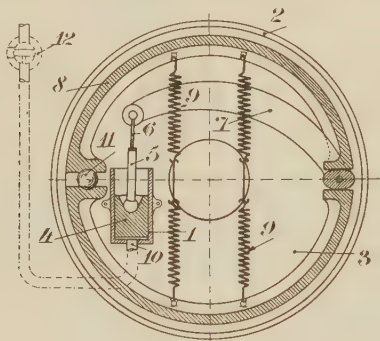
1. In a rotary fluid pressure producing apparatus, a plurality of velocity producing wheels mounted to rotate in unison and spaced apart, successive wheels having vanes set at gradually increasing angles relative to the movement of the wheels, and stationary velocity-producing diaphragms between the said wheels, successive diaphragms having passages gradually decreasing in size, one of the wheels having passages established by vanes having substantially plane surfaces at substantially right angles to the direction of movement of the wheel.

1,463,111. MACHINE FOR TREATING FISH. MAURICE J. ABBOTT, New York, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 10, 1917, Serial No. 206,517. Renewed Jan. 8, 1923. 34 Claims. (Cl. 17—10.)



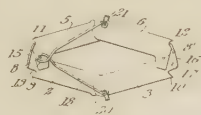
1. In a fish positioning machine, a rotatable carrier having downwardly and outwardly extending fish-guiding devices whereby centrifugal tendency is imported to the fish to promote their sliding away from the axis of rotation, and means for automatically positioning the fish head first and delivering them in that direction at the inner ends of said guiding devices.

1,463,112. VEHICLE BRAKE. MARIUS ADENOT, Caluire, France, assignor to Société Lyonnaise d'Industrie Mécanique, Caluire, Rhone, France, a Corporation of France. Filed Feb. 9, 1921. Serial No. 443,679. 1 Claim. (Cl. 188—151.)



In a vehicle brake the combination of a rotatable drum, a non-rotatable support within said drum, a pneumatic cylinder carried by said support open at one end, a plunger in said cylinder having a socket, two approximately semi-circular brake shoes fulcrumed upon said support close to said cylinder and adapted to coact with said drum, a cam lever engaging between the free ends of said brake shoes, adapted to rock same apart for engaging the drum, a rod having one end connected to said cam lever and having at the other end a ball engaging the socket in said plunger, and springs for retracting the brake shoes from the drum, the open end of the cylinder leaving a clearance around said rod, whereby said rod is enabled to rock.

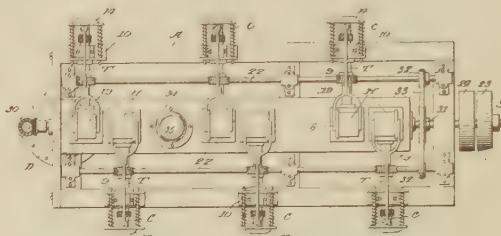
1,463,113. BAG CLOSURE. OTIS BIBB, Louisville, Ky. Filed Apr. 14, 1921. Serial No. 461,257. 11 Claims. (Cl. 150—3.)



2. A bag closure comprising four flat members arranged within a bag and substantially in the plane of the opening thereof, pivotal connections between the adjacent

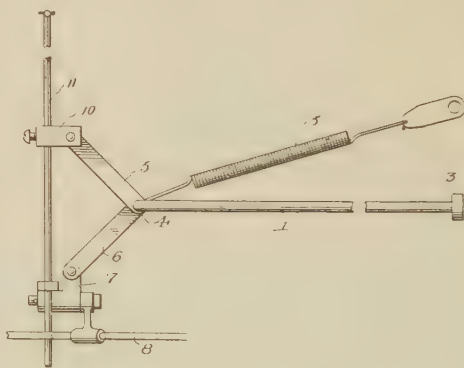
ends of said members whereby two oppositely disposed toggles are formed, means for attaching the members to the bag and means for urging the toggles to closed position.

1,463,114. CORING MACHINE. EARNST A. BOSTROM, Griffin, Ga., assignor to Pomona Products Company, Griffin, Ga., a Corporation of Georgia. Filed June 18, 1921. Serial No. 478,609. 12 Claims. (Cl. 146—52.)



1. In combination, a vacuum chamber and means for maintaining a vacuum therein, a suction tube operatively connected at one end with said vacuum chamber and having its other end open and exposed without enclosure, a tubular cutter head on said outer end adapted to cut into the end of pimento peppers, said cutter head being so proportioned that air under atmospheric pressure will pass into the fruit and carry back the seed into the suction tube through the inside of the cutter head, substantially as set forth.

1,463,115. ACCELERATOR FOOT THROTTLE. HARRY LENDELL CARNAHAN, Centralia, Mo. Filed Feb. 28, 1921. Serial No. 448,597. 4 Claims. (Cl. 74—39.)

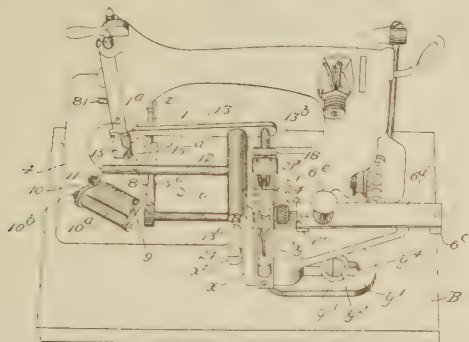


1. In a foot accelerator for controlling throttle movement of an engine, a control rod, a throttle operating rod, links connected to said control rod, one of said links limited to a pivotal movement, the other of said links being fixed to said throttle operating rod for operating same upon movement of the control rod, a return spring connected to said links for returning the throttle operating rod, links and control rod to normal position, said spring arranged to provide steady resistance to the operation of said control and throttle rods.

1,463,116. SEWING-MACHINE ATTACHMENT FOR SPIRAL STITCHING. ANALDO M. ENGLISH, Brookline, Mass., assignor to Cummings Machine Works, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 26, 1921. Serial No. 447,912. 19 Claims. (Cl. 112—2.)

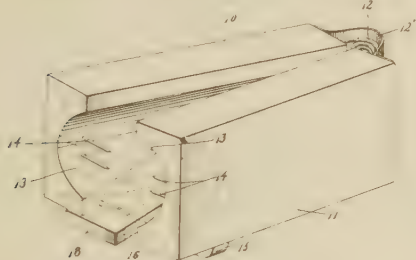
1. A sewing machine attachment for spiral stitching comprising a cloth-guide and means adapted to be actu-

ated through the reciprocating movement of a sewing machine needle-bar to give a progressive lateral move-



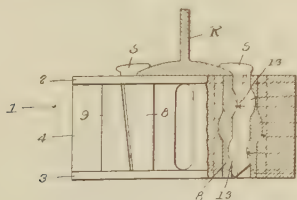
ment to the said cloth-guide to cause the stitches made by the machine to form a spiral course.

1,463,117. TRAP. ALFRED R. GILMORE and GATES R. CARSON, Red Rock, Pa. Filed Mar. 24, 1922. Serial No. 546,376. 1 Claim. (Cl. 43-88.)



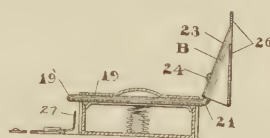
A trap of the character described comprising two identically constructed sections defining a trip body of elongated contour, and having a longitudinal bore open at one end and closed at the other end of the trap, yieldable means connecting the sections together at one end for pivotal movement toward and away from each other, pointed prongs projecting from each section within said bore, a rod projecting from the inner edge of one section, the corresponding edge of the other section having an opening receiving said rod, and a combined bait holder and trip element fulcrumed on said rod and disposed to be positioned between said edges of said sections to hold the latter spaced apart when the trap is set.

1,463,118. RAIL CHAIR. WILLIAM R. GORRELL and HENRY BARKSCHAT, Los Angeles, Calif. Filed Oct. 26, 1922. Serial No. 597,198. 2 Claims. (Cl. 238-274.)



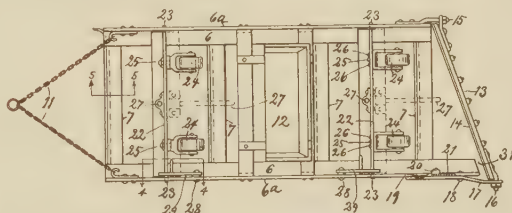
1. In a rail chair, the combination of a rail-supporting member having an opening extending vertically there-through, an expansible, invertible, rail spike-receiving clamp disposed in said opening, and inter-engaging elements carried by said member and said clamp for locking the latter in said opening when in expanded position, said elements being positioned upon said member and said clamp so that the latter may be inverted in said opening.

1,463,119. SCREEN-DOOR CLIP. JOHN HEARD, Strathroy, Ontario, Canada. Filed Sept. 25, 1922. Serial No. 590,282. 9 Claims. (Cl. 292-74.)



1. A screen door clip comprising a receiving member adapted to be secured upon a door frame, said receiving member including a casing, a spring pressed plate cooperating with said casing and an engaging member adapted to be fixed to the door, said engaging member including a projecting staple portion for engagement between the spring pressed plate and the opposite portion of the casing.

1,463,120. ROAD PLANE. WILLIAM H. JENNINGS, St. Paul, Minn., assignor of one-half to Leo Levy, St. Paul, Minn. Filed Dec. 12, 1921. Serial No. 521,914. 1 Claim. (Cl. 37-153.)



A road planer comprising an elongated skeleton frame adapted to be drawn endwise, a series of transverse scraper blades fixed to the under side of the frame and a diagonally arranged, vertically disposed scraper blade hingedly attached to one of the rear corners of the frame, and means carried by the other rear corner of the frame and operatively attached to the adjacent end of the diagonal board for raising and holding it raised to various positions, said frame having transverse angle bars and bolts passed through said angle bars and the scraper blades to make the blades detachable for grinding or repairing.

1,463,121. WINDOW SCREEN. GEORGE W. JOHNSTON, Washington, D. C. Filed Apr. 18, 1922. Serial No. 554,711. 6 Claims. (Cl. 156-14.)



4. In a building structure including a wall and opening therethrough, the combination with a closure for said opening, of a recess formed in said wall in a plane par-

allel to said closure, a screen adapted to slide entirely within said recess, and be extended therefrom to cover any portion of said opening, and a stop-member controlled by the movements of the screen for simultaneously sealing the outer end of said recess and the upper edge of the closure when said screen is wholly extended from said recess.

1,463,122. PROCESS FOR MAKING TURPENTINE SUBSTITUTE AND PRODUCT THEREFROM. WILLIAM BURNS LOGAN, De Quincy, La., assignor to Acme Products Company, Inc., New Orleans, La., a Corporation of Louisiana. Filed Nov. 23, 1922. Serial No. 602,887. 10 Claims. (Cl. 134—56.)

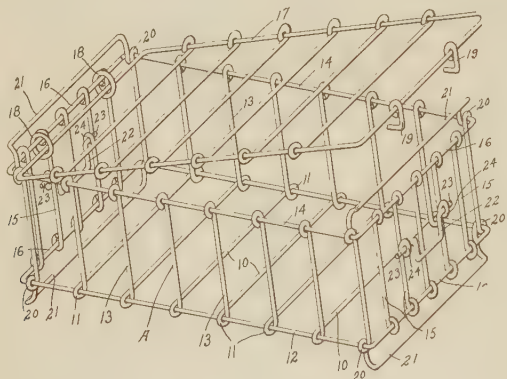
1. A process of making a turpentine substitute which comprises subjecting vapors of pine oil to the action of a catalyst comprising a copper chlorid, at a temperature between about 225° and 350° C., condensing the vapors, separating water therefrom, fractionally distilling the condensate, and collecting the fraction distilling up to about 200° C.

8. A turpentine substitute, which comprises a liquid material of turpentine-like appearance, having a specific gravity between .85 and .86, containing about 90% of dipitenes, having an index of refraction of about 1.475 to 1.477 at 20° C., such material boiling at about 175° C., about 75% of the whole boiling below 180° C., and 95% boiling at not above 190° C.

1,463,123. BUILDING-MATERIAL COMPOSITION. FREDRICK J. MCALLISTER, Elyria, Ohio, assignor of one-eighth to A. E. Simmons and one-eighth to Frank Henke, both of Elyria, Ohio. Filed Aug. 9, 1922. Serial No. 580,760. 4 Claims. (Cl. 106—24.)

1. A composition of matter comprising a fibrous material, 30 to 50 per cent; hydraulic settable cement, 25 to 35 per cent; lime, 5 to 10 per cent; alum, 1 to 5 per cent, and silicious material, 4 to 35 per cent.

1,463,124. BAKING FRAME. JOHN J. MCCONNELL, Rockford, Ill. Filed Apr. 18, 1922. Serial No. 554,593. 2 Claims. (Cl. 53—6.)

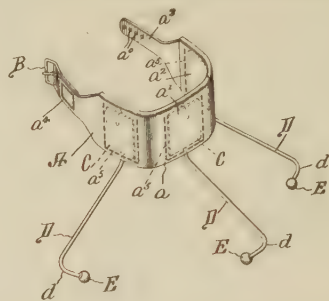


1. A cooking utensil of the character described comprising a wire basket including opposed sides and end walls, a cover hinged upon one end wall, means carried by the cover for engaging the opposite end wall for holding the cover in its closed position, and the wire forming the outline of said end walls being extended above and below the basket and transversely thereof to provide supports, whereby the basket can be supported with either its bottom or top uppermost for the purpose specified.

1,463,125. BABY GUARD. ERNEST HUBERT MADERE, Hahnville, La., assignor to Bienville Manufacturing Company Inc., New Orleans, La. Filed Sept. 27, 1922. Serial No. 590,827. 2 Claims. (Cl. 155—189.)

1. A protecting guard for young children, comprising a broad flexible adjustment band adapted to go around the

body of the child beneath the shoulders, and extending downwards from the shoulders and supporting the back



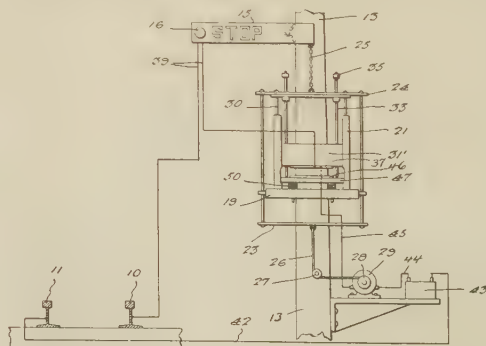
and sides of the child, with a plurality of divergent resilient legs secured to and projecting downwards from said band at the sides and rear thereof.

1,463,126. SASH WEIGHT. JOHN F. MAKEPEACE, Sanford, N. C. Filed Dec. 16, 1922. Serial No. 607,360. 1 Claim. (Cl. 16—216.)



A sash weight comprising a hollow member of rectangular formation in cross section, the corners of said member at the upper end thereof being slotted, the upper end of each wall of said member being bent inwardly for the purpose specified, two of said inwardly bent portions having openings, and a cord attached to the yoke and having its free end received by said opening.

1,463,127. CROSSING SIGNAL. JOSEPH A. MANTA, Provincetown, Mass. Filed Apr. 18, 1922. Serial No. 554,627. 5 Claims. (Cl. 246—128.)



1. A signalling device of the character described comprising a stationary member, guide means carried thereby, a movable frame slidably associated with said guide

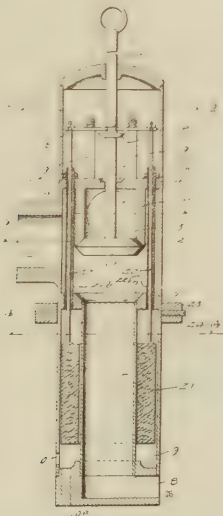
means, a pivoted semaphore blade normally arranged in inclined position, a flexible connection between the shorter end of the semaphore blade and the top of said frame, an electric motor and means driven thereby connected with the bottom of the movable frame, a pair of rail sections insulated from the other rail sections of a trackway, and normally engaged contact members moved out of contacting relation by movement of the movable frame interposed in circuit with said insulated rail sections and said motor and a source of current.

1,463,128. PICKER-STICK CHECK. AMEDEE MASSEY and AARON BENSON, Norwich, Conn. Filed Nov. 28, 1921. Serial No. 518,393. 2 Claims. (Cl. 139—165.)



1. In check mechanism, the combination of a loom, a body portion having a head secured to the loom, parallel spaced arms secured to the body, a bolt for securing the arms to each other, washers arranged on the bolt between the arms, a head secured on the arms and means for securing the head to said arms.

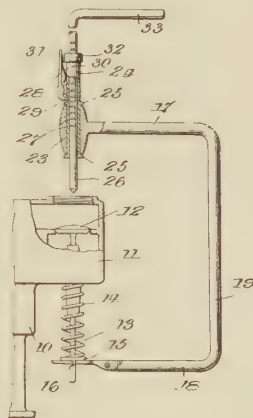
1,463,129. AUTOMATIC FLUID CONTROL. WILLIAM H. MILTON and FRED SCHERMER, Muscatine, Iowa. Filed June 3, 1921. Serial No. 474,797. 5 Claims. (Cl. 226—127.)



1. An automatic fluid control comprising a casing having an inlet, an outlet and a discharge, a valve within the casing and adapted to cut off communication between the inlet and the outlet or between the inlet and the said discharge, a holder for maintaining the valve in position to cut off communication between the inlet and

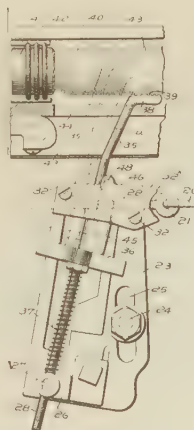
outlet, and a float for actuating said holder to effect release of the valve which automatically operates to cut off communication between the inlet and discharge and establish communication between the inlet and the outlet.

1,463,130. TOOL FOR REMOVING VALVES. JAMES B. MORRIS, Nashville, Tenn. Filed July 3, 1922. Serial No. 572,646. 11 Claims. (Cl. 29—86.3.)



1. In a valve-releasing tool, a bar, a spring-engaging member mounted thereon, mechanism cooperating with said bar to move said spring engaging member longitudinally of the stem of said valve, said mechanism having handle-parts for its manual operation adjustable to varying angles with respect to said bar and adapted for complete operation of said mechanism in any of said positions of angular adjustment.

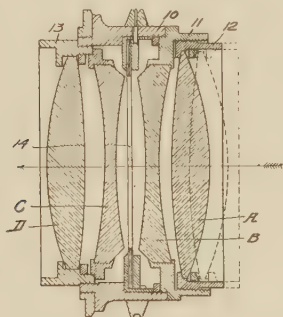
1,463,131. FEELER MECHANISM FOR LOOMS. ISAAC SNOW, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 29, 1922. Serial No. 547,689. 8 Claims. (Cl. 139—281.)



1. In a feeler mechanism for looms, the combination of a feeler mounted for movement in a direction longitudinally of the shuttle to effect by such longitudinal movement replenishment of filling, a transmitter, an enlarged portion carried by the feeler and normally engaged with the transmitter when the feeler is in rearward feeling position and moved out of engagement with the transmitter by a working supply of filling in the

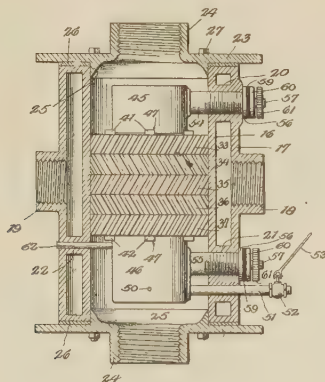
properly boxed shuttle on a detecting beat, and a stop which limits the lateral movement of the feeler to an extent insufficient to actuate the transmitter when the enlarged portion of the feeler is moved out of engagement with the transmitter.

1,463,132. PHOTOGRAPHIC OBJECTIVE. CHRISTOPHER GRAF, South Bend, Ind., assignor to Richard Graf, South Bend, Ind. Filed Jan. 5, 1922. Serial No. 527,241. 7 Claims. (Cl. 88—57.)



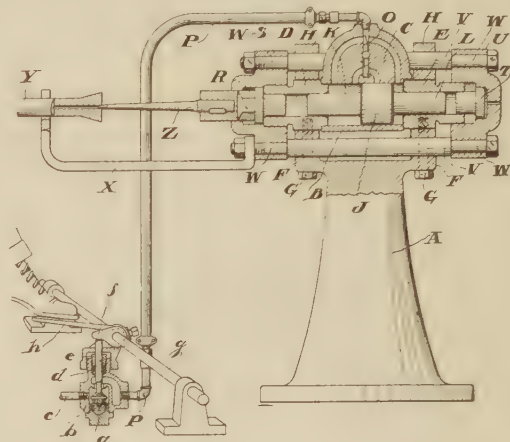
7. A photographic lens of the anastigmat type comprising a fixed back combination, and an adjustable front combination, said front combination comprising two lenses separated by an air space and movable relatively to each other, the arrangement being such that when the lenses of the front combination are in their relative position closest to each other, an image of a desired maximum degree of diffusion is produced, and that when they are moved away from each other, an increasingly sharper image is produced.

1,463,133. FUEL-MIXTURE HEATING AND VAPORIZING DEVICE. WILLIAM WALLACE GRANT, Brooklyn, N. Y.; Helen M. W. Grant administratrix of said William Wallace Grant, deceased. Filed Nov. 27, 1920. Serial No. 426,708. 17 Claims. (Cl. 219—38.)



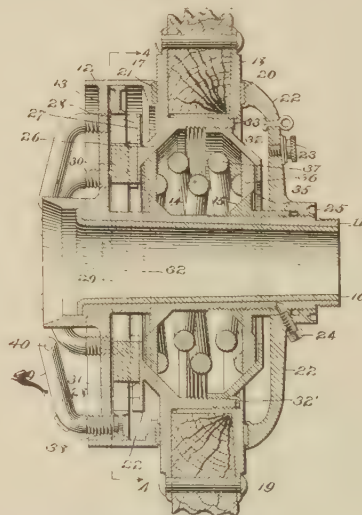
1. A fuel mixture heating and vaporizing device comprising an individual heating unit adapted to be interposed in an engine fuel mixture supply line to form a continuation thereof and including a casing, means interiorly of the casing for heating said casing, means exteriorly of the casing whereby the casing may be heated, and a shell surrounding the casing for conducting a fuel mixture over and around the casing in contact therewith.

1,463,134. SHANK AND BIT PUNCH. HARRY VERCOE HAIGHT, Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 19, 1922. Serial No. 569,474. 6 Claims. (Cl. 76—5.)



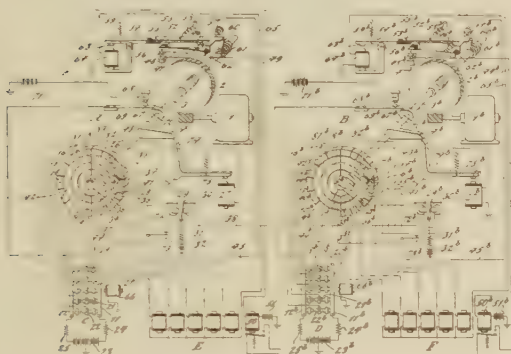
1. In a fluid actuated machine for punching hollow articles, the combination of a cylinder and double-ended reciprocating hammer piston, anvil blocks separate from the piston at each end of the cylinder, one anvil block being adapted to carry a pin, and means for causing the piston to impart blows of impact to one or the other of the said anvil blocks according to the direction in which the pin is to be driven.

1,463,135. SPRING WHEEL. BRADFORD B. HOLMES, U. S. Army. Filed Aug. 21, 1919. Serial No. 318,956. 4 Claims. (Cl. 152—45.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



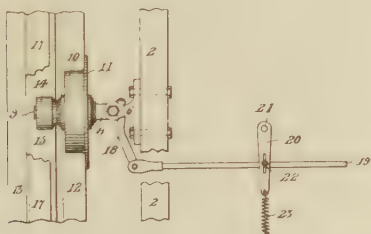
3. In a spring wheel, a spoke holding portion comprising a side plate having an extension forming a conical surface, a plate having a conical surface and adjustably connected to said side plate, a hub portion having a fixed and an adjustable member, supporting plates co-acting with the conical surfaces of said plates and said fixed and adjustable members, and spring means for holding said plates yieldingly in position.

1,463,136. METHOD OF AND APPARATUS FOR OPERATING PRINTING TELEGRAPHS. EDWARD E. KLEINSCHMIDT, Brooklyn, N. Y., assignor to The Kleinschmidt Electric Company, a Corporation of New York. Filed May 1, 1919. Serial No. 293,949. 8 Claims. (Cl. 178—33.)



1. A printing telegraph system comprising a rotary distributor divided into signal receiving and transmitting sections, a stop position for said distributor immediately preceding said signal receiving section, means for transmitting a start impulse immediately preceding said signal transmitting section, a start-stop magnet for said distributor, a receiving relay adapted to complete local energizing circuits through said start magnet and said receiving distributor section, and a shunt circuit around said receiving relay arranged to permit the completion of a local energizing circuit through said start relay.

1,463,137. ROLLER COASTER. STANLEY MAKEPEACE, Milwaukee, Wis., assignor to Castalia Gardens, Inc., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 8, 1922. Serial No. 580,427. 6 Claims. (Cl. 105—169.)

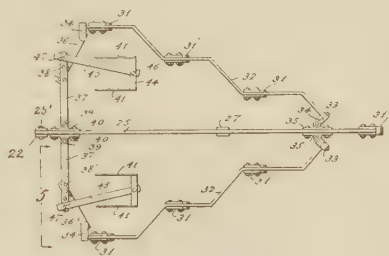


1. In a roller coaster car and track structure, a car having bracket mountings at opposite sides thereof, stub axle steering knuckles journaled in the bracket mountings, supporting wheels upon the stub axles, guard rollers associated with the supporting wheels, track rails supporting the wheels, and resiliently mounted means connecting the steering knuckles at opposite sides of the car to cause the supporting wheels to follow the track rail and permit movement of the car relative to the supporting wheels.

1,463,138. CULTIVATOR. ARTHUR W. REYNOLDS, Newtown, Conn. Filed July 12, 1921. Serial No. 484,042. 5 Claims. (Cl. 97—154.)

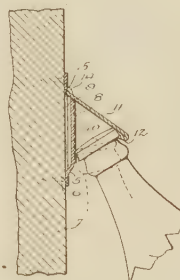
1. In a sulky cultivator of the character described, a center bar, a side bar pivotally secured thereto and carrying cultivator teeth and means for swinging said side

bar on its pivot toward or from said center bar, said means comprising links and levers pivotally connecting



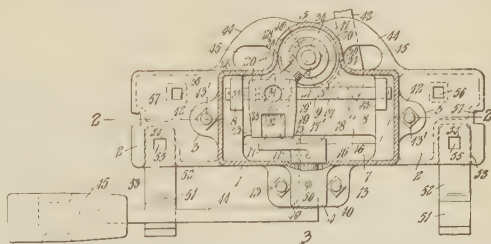
said side and center bar, a push rod for manipulating said parts, and a stirrup device movable in a direction in line with said center bar for operating said push rod.

1,463,139. BOTTLE CAP REMOVER. TURNER C. RUSH, Lexington, Ky., assignor to Fredric Grant Erd, Lexington, Ky. Filed Oct. 11, 1922. Serial No. 593,877. 6 Claims. (Cl. 65—46.)



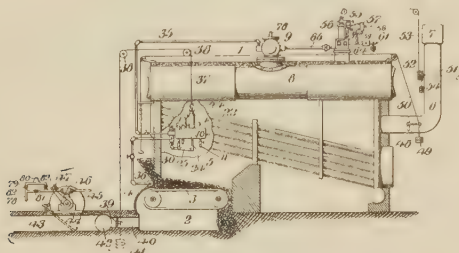
1. In a bottle cap removing device, an element having means to secure it to a wall or other support, and a cap removing element slidably and pivotally engaged with the first named element and movable to a closed inoperative position approximately parallel with the plane of the first named element and to a cap removing position projecting at an angle to said plane.

1,463,140. SWITCH STAND. FRANK C. ANDERSON, Cincinnati, Ohio, assignor to The American Valve and Meter Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 12, 1923. Serial No. 624,496. 21 Claims. (Cl. 246—411.)



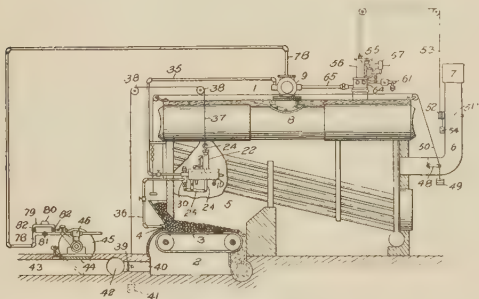
1. In a switch-stand, mechanism comprising a lever and rack-actuating means coaxially connected, a rack engaged by said rack-actuating means, a switch-throwing crank, and an intermediate crank arm pivoted to said rack and radially slidably connected to said switch-throwing crank for rotation thereof incident to sliding of said rack.

1,463,141. METHOD OF CONTROLLING COMBUSTION. FRANCIS H. BROWN, Philadelphia, Pa., assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 28, 1917, Serial No. 157,921. Renewed Apr. 16, 1923. 7 Claims. (Cl. 236—14.)



1. The method of controlling the feed of fuel to a furnace which consists in automatically regulating the fuel feed by and in accordance with variations in furnace pressure.

1,463,142. APPARATUS FOR CONTROLLING COMBUSTION. FRANCIS H. BROWN, Glenolden, Pa., assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Mar. 28, 1917, Serial No. 157,921. Divided and this application filed Oct. 30, 1920. Serial No. 420,619. 17 Claims. (Cl. 236—14.)



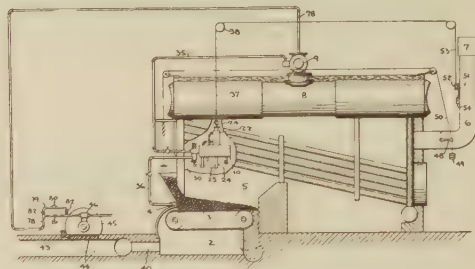
1. In an apparatus for controlling combustion, the combination of a furnace, means for feeding fuel into the furnace and means for regulating the feed of fuel by and in accordance with variations in furnace pressure.

1,463,143. CONTROLLING COMBUSTION. FRANCIS H. BROWN, Ridley Park, Pa., assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Mar. 28, 1917, Serial No. 157,921. Divided and this application filed June 21, 1922. Serial No. 569,999. 16 Claims. (Cl. 236—14.)

11. The method of operating boiler furnaces which consists in maintaining a substantially uniform furnace gas pressure for varying rates of combustion and regulating the rate of fuel feed in accordance with the rate of outflow of the furnace gases.

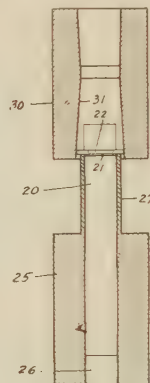
16. A furnace having in combination therewith a stoker for feeding fuel thereto, air impelling means for furnishing draft, means for controlling the air impelling means by the steam pressure of the boiler, means for controlling the stoker in accordance with the variations

of the air impelling means, and means for maintaining substantially uniform pressure in the furnace for vary-



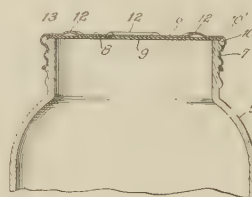
ing rates of combustion which last named means also varies the relative speed of the stoker to that of the air impelling means.

1,463,144. MANUFACTURE OF SHAFTS. JOHN J. CARTER, Anderson, Ind., assignor to The Remy Electric Company, a Corporation of Indiana. Filed Jan. 26, 1920. Serial No. 353,928. 2 Claims. (Cl. 29—148.)



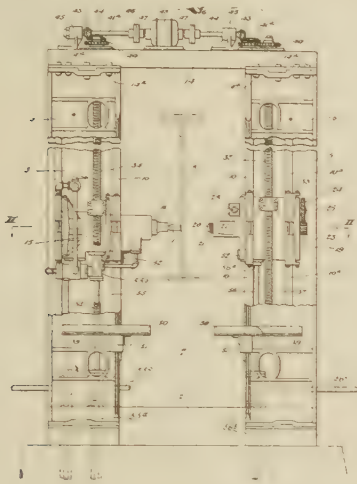
1. The process of manufacture of a shaft having a shoulder which consists in providing the shaft with a groove; in making a washer having a thickness less than the width of the groove, and an internal diameter slightly greater than a portion of the shaft whereby the washer may be readily placed in alignment with the groove; in initially deforming the washer so that the washer enters the groove at portions thereof in order to support the shaft; in supporting the washer axially while squeezing the washer so as to reduce its internal diameter and to increase its thickness whereby the groove will be substantially occupied by a portion of the washer.

1,463,145. CAP FOR RECEPTACLES. WILLIAM E. KOSS, Evanston, Ill., assignor to Frank A. Brown, Wilmette, Ill. Filed Aug. 21, 1922. Serial No. 583,080. 6 Claims. (Cl. 215—46.)



1. A sheet metal screw cap for receptacles comprising a top and a depending screw threaded flange, there being an outwardly directed hollow bead extending peripherally in the flange between the topmost thread thereof and the top of the cap, whereby deformation of the bead by a blow thereon will displace an adjacent portion of the top of the cap, substantially as and for the purposes set forth.

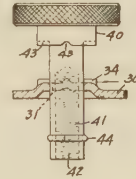
1,463,146. RIVETER. JAMES L. BERNARD, Beaver, Pa.
Filed Dec. 4, 1920. Serial No. 428,372. 5 Claims.
(Cl. 78—19.)



1. A power riveter comprising a fixed frame having opposite spaced jaws closed at their bottom and top, forming a closed throat therebetween, a vertically adjustable hydraulic cylinder mounted in one of said jaws, an upsetting tool carried by said cylinder, a vertically ad-

justable bucking-up stake mounted in the other of said jaws, means for adjusting said cylinder and said bucking-up stake vertically, and fluid pressure means for counterbalancing the weight of said cylinder and bucking-up stake.

1,463,147. COVER AND COVER-SECURING MEANS. MAX L. HILLMER, Detroit, Mich., assignor to The Remy Electric Company, a Corporation of Indiana. Filed Oct. 30, 1918. Serial No. 260,243. 7 Claims. (Cl. 220—55.)



1. In a device of the kind described, the combination with a support and a flexible cover therefor; of a fixed member secured to the support; and movable means cooperating with the fixed member to secure the cover in position upon the support, said cover and movable means having cooperating portions, the cover portions adapted by the flexing of the cover to spring into interlocking relation with said portions of said movable means in order to prevent the moving of said movable means due to the jarring or vibration of the support and cover.

THE OFFICIAL GAZETTE

OF THE

United States Patent Office.

Vol. 312—No. 5.

TUESDAY, JULY 31, 1923.

Price—\$5 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, \$5.00 per annum; single numbers, 10 cents each.

Printed copies of patents are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

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Patents.....	634—No. 1,463,148 to No. 1,463,781, inclusive.

Total..... 999

ADJUDICATED PATENTS.

(C. C. A. N. Y.) Palmer patent, 878,995, claim 1, for apparatus for inverting tubular fabrics, *Held* valid and infringed. *Palmer v. E. Z. Waist Co.*, 288 Fed. Rep., 848.

(C. C. A. N. Y.) Schey patent, 902,724, for an apparatus for broiling meats, *Held* infringed. *Schey v. Giovanna*, 288 Fed. Rep., 849.

(C. C. A. N. Y.) Fuller patent, 1,101,268, for stencil paper, *Held* valid and infringed. *A. B. Dick Co. v. Burnett*, 288 Fed. Rep., 799.

(C. C. A. N. Y.) Clorious patent, 1,203,852, for game of skill, *Held* valid, but not infringed. *Chester-Pollard Amusement Co. v. Kentucky Derby Co.*, 288 Fed. Rep., 802.

(D. C. R. I.) Gerosa patent, 1,263,879, for lug for power-plant support for motor vehicles, void for lack of invention. *Hudson Motor Specialties Co. v. Apco Mfg. Co.*, 288 Fed. Rep., 871.

(C. C. A. N. Y.) Garson patent, 1,337,400, for a crane, *Held* invalid for want of novelty. *Garson v. Elwell-Parker Electric Co.*, 288 Fed. Rep., 824.

(C. C. A. N. Y.) Chester patent, 1,368,111, for an amusement apparatus, *Held* valid, but not infringed. *Chester-Pollard Amusement Co. v. Kentucky Derby Co.*, 288 Fed. Rep., 802.

(C. C. A. Ill.) Tufford reissue patent, 14,049, for rubber heel lift, *Held* not infringed. *U. S. Rubber Co. v. I. T. S. Rubber Co.*, 288 Fed. Rep., 786.

(C. C. A. Ohio.) Tufford reissue patent, 14,049, for rubber heel lift, *Held* not infringed. *I. T. S. Rubber Co. v. Tee Pee Rubber Co.*, 288 Fed. Rep., 794.

(C. C. A. Va.) Patterson reissue patent, 12,159, disclaimer eliminating matter added by reissue and narrowing the original patent, *Held* ineffective. *Rosemary Mfg. Co. v. Halifax Cotton Mills, Inc.*, 288 Fed. Rep., 683.

Interference Notices.

U. S. PATENT OFFICE, Washington, July 12, 1923.

Jesse Minor, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the New England Confectionery Company, 253 Summer Street, Boston, Mass., for registration of a trade-mark and trade-mark registered June 2, 1903, No. 40,490, to Jesse Minor, 3822 Pier Street, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Jesse Minor at the said address having been returned by the post office undelivered, notice is hereby given that unless said Jesse Minor, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

U. S. PATENT OFFICE, Washington, July 12, 1923.

Bucknam & Vanderpoel, their assigns or legal representatives, take notice:

An interference having been declared by this Office between D. B. Scully Syrup Company, 321 East Illinois Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 29, 1906, No. 53,164, to Bucknam & Vanderpoel, 198 West Broadway, New York, N. Y., and a notice of such declaration sent by registered mail to said Bucknam & Vanderpoel at the said address having been returned by the post office undelivered, notice is hereby given that unless said Bucknam & Vanderpoel, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

Condition of Applications Under Examination at Close of Business July 20, 1923.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 75,422; Trade-Mark Division, 3,475. Oldest new case, Sept. 9, 1922; oldest amended, Sept. 21, 1922. The dates given are 1922 except where * indicates 1923.)	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
			New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Oct. 16	Oct. 2	1,277	
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Sept. 20	Oct. 9	1,510	
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 14	Nov. 29	1,659	
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Oct. 12	*Feb. 14	1,550	
107	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 22	Oct. 7	1,463	
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 26	*Mar. 4	1,955	
312	7. JARBOE, C. G., Games and Toys; Optics; Photography.	Oct. 3	Dec. 13	2,766	
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 15	*Mar. 28	1,602	
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 23	*June 9	878	
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Sept. 26	Oct. 23	1,545	
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Jan. 15	*Jan. 3	1,040	
322	12. PIERCE, P. P., Machine Elements.	Nov. 29	*Jan. 2	1,431	
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Oct. 9	*Mar. 24	1,223	
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Sept. 21	*May 12	1,172	
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Sept. 29	Nov. 24	2,096	
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony.	Oct. 4	Oct. 2	2,512	
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Sept. 21	*Jan. 17	1,549	
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Sept. 22	Sept. 21	2,056	
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Jan. 24	*Apr. 9	718	
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Dec. 8	Dec. 6	2,137	
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Sept. 25	*Mar. 1	1,058	
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 26	*Jan. 11	601	
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Sept. 25	Sept. 22	901	
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Sept. 27	*Jan. 2	1,440	
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Jan. 26	*Feb. 10	535	
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Oct. 9	Oct. 24	982	
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Sept. 22	Sept. 23	1,562	
225	28. BENSON, A. R., Internal-Combustion Engines.	Nov. 15	Dec. 30	1,490	
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Sept. 9	Oct. 24	1,327	
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Type-writing Machines.	Oct. 25	*Apr. 2	1,912	
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Sept. 28	Oct. 6	1,089	
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Oct. 7	Oct. 12	1,393	
70	33. WYMAN, W. I., Bridges, Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 27	Oct. 26	1,727	
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 26	*Mar. 5	775	
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 6	*Mar. 17	1,128	
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 2	Dec. 9	2,056	
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Oct. 2	Oct. 2	2,012	
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking, Wells.	Sept. 26	Sept. 23	1,970	
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Sept. 25	Oct. 2	1,401	
269	40. OBERLIN, J. I., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Sept. 25	*Mar. 19	2,267	
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels.	Dec. 14	*Jan. 22	953	
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps.	Oct. 19	Nov. 13	1,691	
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Nov. 6	Oct. 23	1,352	
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Oct. 9	*Feb. 16	1,194	
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices.	Nov. 3	Oct. 11	1,567	
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Nov. 20	Dec. 14	1,444	
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Nov. 1	*Jan. 8	1,202	
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications.	Sept. 25	Sept. 27	2,366	
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 21	Oct. 26	657	
102	DESIGNS: C. O. MARKHAM (Acting).	Nov. 17	*Feb. 8	2,631	
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks, Labels and Prints).	*Mar. 12	*May 4	3,437	
		*July 13	*July 17	38	

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE AMERICAN DAIRY SUPPLY COMPANY.

Decided February 21, 1923.

TRADE-MARK—DESCRIPTIVE—NOT REGISTRABLE.

Since the words "The Certified Cap," for paper disks for closures for receptacles, usually known as milk-bottle caps, are, if applied directly to the caps, either deceptive or descriptive of the contents of the bottles closed by the caps, *Held* that registration of this mark used on labels showing the words directly applied to the disks should be refused, because distributors of milk and supervising health authorities seeing such labels bearing notice of registration would be led to believe the mark as applied directly to the caps had been registered.

ON APPEAL.

TRADE-MARK FOR PAPER-MATERIAL DISKS FOR CLOSING RECEPTACLES, USUALLY KNOWN AS MILK-BOTTLE CAPS.

Mr. Hubert E. Peck for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiner of Trade-Marks denying registration to "The Certified Cap," applied to paper material disks for closing receptacles, usually known as milk-bottle caps, and closure disks, Class 50, Merchandise not otherwise classified.

It appears the registration was approved and the mark was published, but thereafter registration was refused for reasons, some of which are set out in the decision sustaining the opposition of the Sheffield Farms-Slawson-Decker Company in proceeding No. 1,125.

There were other protests filed by medical or health officers from various places, which protests have now been misplaced or lost, against the registration of a mark of this character to be used upon milk bottles or containers, and these protests were considered by the Examiner of Trade-Marks as having a bearing upon the matter of refusal of registration.

Without reviewing at length these specific objections it will be sufficient to state here that it is a matter of common knowledge that in many communities, counties, or other sections of the country careful medical supervision by the health authorities of the production and handling of milk is in force. In many of these places milk which is handled and sold under this supervision is referred to as "certified milk," and such words appearing on the container, the closure, or any part of a receptacle used in distribution would create in the mind of the consumer the belief that the milk was being handled under such desirable supervision. In view of the foregoing I am satisfied the applicant is not entitled to use the word "Certified" or "The Certified Cap" on any device which is ultimately to become a part of a milk

container. Such a use would be deceptive if the milk in the container were not certified and would be descriptive if the milk were certified. In either event the mark could not be registered under the 1905 act as amended.

It is applicant's contention that the use of the mark upon the cap itself is not contemplated. Appellant company states in the brief filed at the hearing:

Applicant's "The Certified Cap" products are sold to the bottle closure trade and are ultimately used to close various kinds of containers for various kinds of products, in addition to its use as a closure for bottled milk,—see Mr. J. A. Burkart affidavits of record. Applicant's trade-mark, however, is not displayed on or in connection with such containers and bottles and is not known to the consumers of the bottled milk and the products in such containers.

To emphasize this matter, applicant in the brief above referred to states that its "trade-mark is not displayed on applicant's closure disks." In the affidavit filed June 30, 1922, the president of the applicant company avers that—

the milk caps manufactured by said corporation applicant for the milk cap trade do not and never did bear the trade mark of said applicant so far as the consumers of the bottled capped milk are concerned, and said corporation applicant does not print, impress or otherwise apply its said trade mark directly on or to its caps, but its said trade mark is displayed for inspection by the milk cap trade by labels on the packages or caps and by labels inserted in said packages, but not in such manner as to be seen by the consumers of bottled milk capped by "The Certified Cap."

The application, however, is not restricted in accordance with these averments and statements. The specimens show a label having the picture of a cap thereon with the mark applied directly to the cap. This would indicate to a purchaser that the applicant company was applying its mark, as shown in the picture, directly to the cap. A user of caps for milk bottles whose milk had been handled under the local health authorities and who wished and was entitled to label his caps "certified" would on seeing applicant company's label be warranted in believing such use would infringe the appellant's rights. Further, health authorities seeing appellant's label might well be led to believe their local statutes were being violated, or that the Patent Office had registered a mark to be used on caps by dairymen in violation of local statutes. No doubt it is true the applicant company usually prints the particular information on the cap requested by the milk distributor or user of the cap, but the label is contrary to this, and also there is no formal disclaimer of the use of the mark applied directly to the cap and nothing to prevent appellant from applying the mark, as the law contemplates a mark being applied, directly on the goods. It is believed the Examiner is right in denying registration of the mark.

The decision of the Examiner of Trade-Marks is affirmed.

Supreme Court of the United States.

JOHN SIMMONS COMPANY v. THE GRIER BROTHERS COMPANY.

Decided February 27, 1922.

1. PATENTS—JUDGMENTS—BILL OF REVIEW.

A bill of review is called for only after a final decree—one that finally adjudicates upon the entire merits, leaving nothing further to be done except the execution of it.

2. SAME—SAME—INTERLOCUTORY DECREE.

An interlocutory decree may be modified or rescinded by the court at any time before final decree.

3. SAME—SAME—SAME.

Whether a decree is final or interlocutory depends upon its essential purport and effect and not upon its characterization in pleadings.

4. SAME—SAME—FINAL DECREE.

The decree of July 24, 1914, was not a final decree, since an accounting was necessary. Nor was the decree of Jan. 5, 1916, final. As to unfair competition, an inquiry before a master was necessary, while the decision as to patent infringement remained in abeyance until final decree could pass, since there was nothing to take the case out of the ordinary rule that there can be but one final decree in a suit in equity (distinguishing *Smith v. Vulcan Iron Works*, 165 U. S., 518, 525; *Hill v. Chicago & Evanston Railroad Co.*, 140 U. S., 52; and following *Keystone Iron Co. v. Martin*, 132 U. S., 91).

5. SAME—SAME—PETITION FOR REHEARING.

Held that the bill of review filed in the foregoing circumstances is to be treated as a petition for rehearing.

6. SAME—SAME—PROCEDURE TO OBTAIN REHEARING OR REVIEW.

Proceedings to reopen a decree of a district court, entered pursuant to the mandate of an appellate court, whether by rehearing or review, should first be referred to the latter tribunal (citing *Southard v. Russell*, 16 How., 547, 570, 571; *in re Potts*, 116 U. S., 263, 267; 1897, C. D., 342; 78 O. G., 2049; *National Brake Co. v. Christensen*, 254 U. S., 425, 430-431).

7. SAME—SAME—FAILURE TO APPLY FOR A WRIT OF CERTIORARI.

The plaintiffs cannot be regarded as consenting to the decree of Jan. 5, 1916. They simply accepted an adverse decision as to a part of their suit, not open to further appeal at their instance, and proceeded in the orderly mode to preserve their suit as to the rest. Nor were they guilty of laches for omitting at that stage to make application to the Supreme Court for a writ of certiorari, because that mode of review is not a right of the party.

8. SAME—JUDGMENTS—REHEARING AFTER DECISION OF APPELLATE COURT.

In a suit charging unfair competition in trade and infringement of a patent the district court held, July 24, 1914, the patent valid and infringed and awarded a permanent injunction on both grounds, with an interlocutory decree for an accounting. This decision was sustained by the circuit court only as to unfair competition, and the case was remanded to the district court and a decree entered thereon January 5, 1916, and a master appointed to ascertain damages. Subsequently the Supreme Court found the patent to be valid and infringed by another defendant. Afterwards the circuit court granted a petition to file a bill of review in the district court based on the decision of the Supreme Court, and the district court sustained the plaintiffs' right to maintain a bill of review and held its former decree, in so far as it held the patent invalid, set aside. The circuit court reversed this decision and directed the former decree of the district court to be reinstated. *Held* the decision of the Supreme Court was sufficient to demonstrate that the circuit court

erred in its decision on the first appeal, and the error afforded ample ground for setting matters right before final decree.

9. SAME—CLAIM 4 OF BALDWIN LAMP PATENT UPHELD. *Abercrombie & Fitch Co. v. Baldwin* (245 U. S., 198), upholding claim 4 of Baldwin lamp patent, followed.

Mr. James Q. Rice for the petitioner.

Mr. C. P. Byrnes, Mr. David A. Reed, Mr. Geo. H. Parmelee, and Mr. Geo. E. Stebbins for the respondent.

ON writ of certiorari to the United States Circuit Court of Appeals for the Third Circuit.

Mr. Justice PITNEY delivered the opinion of the Court.

In October, 1913, Frederic E. Baldwin, a citizen of New York, together with the present petitioner John Simmons Company, a corporation and citizen of that State, brought suit in the United States District Court for the Western District of Pennsylvania against The Grier Brothers Company, a corporation and citizen of the latter State, charging infringement of reissued Letters Patent No. 13,542, issued to and owned by Baldwin and under which the Simmons Company was sole licensee, for certain improvements in acetylene-gas lamps intended for various uses, especially that of miners' lanterns. The bill charged also unfair competition with plaintiffs by the sale of lamps made to resemble the Baldwin lamp manufactured under the patent. The district court granted a preliminary injunction as to unfair competition but reserved the question of patent infringement for final hearing (210 Fed. Rep., 560). Upon that hearing the court held claim 4 of the Baldwin reissue patent valid and infringed and awarded a permanent injunction upon both grounds, July 24, 1914, with an interlocutory decree for an accounting (215 Fed. Rep., 735). Upon appeal by defendant (the present respondent), the Circuit Court of Appeals for the Third Circuit affirmed the decree as to unfair competition but reversed it as to patent infringement, holding the reissue to be void as to claim 4 upon the ground that this broadened the original patent (219 Fed. Rep., 735, 739). This decision was rendered January 22, 1915, and the mandate went down about a month later setting forth the decree of the appellate court that the decree of the district court be—affirmed as to so much thereof as refers to the subject of unfair competition, but the rest of the decree must be modified in accordance with the opinion of this court, and that the appellant recover costs and have execution therefor; and thereupon commanding that execution and further proceedings be had according to right and justice. No decree was entered upon this in the district court until January 5, 1916, when on motion of plaintiffs an order was entered that the decree of the circuit court of appeals be made the decree of the district court, that plaintiffs recover from defendant their damages sustained by reason of unfair trade to be ascertained and reported by a master to whom reference was made for the purpose, that a perpetual injunction be issued restraining defendant from further unfair competition in trade; and that the

bill of complaint as to infringement of the reissue patent be dismissed. The accounting before the master is still pending.

In May, 1913, Baldwin had brought suit (John Simmons Company intervening) upon the same reissue patent in the United States District Court for the Southern District of New York against Abercrombie & Fitch Company (Justrite Company, intervening), and that court adjudged the patent valid and infringed (227 Fed. Rep., 455). On appeal this decree was affirmed by the Circuit Court of Appeals for the Second Circuit, November 9, 1915 (228 Fed. Rep., 895). On December 20, 1915, defendants in that suit presented to this Court a petition for a writ of certiorari; January 10, 1916, this writ was granted (239 U. S., 649); and under it, on December 10, 1917, the decision of the Circuit Court of Appeals for the Second Circuit was affirmed, this Court holding, in direct opposition to the decision of the Circuit Court of Appeals for the Third Circuit, that claim 4 of the reissue was valid (245 U. S., 198; 246 O. G., 567). A mandate was sent down January 15, 1918, to the District Court for the Southern District of New York, and the proper decree was promptly entered thereon.

Soon after this, plaintiffs herein petitioned the District Court for the Western District of Pennsylvania for leave to file what was called a "bill of review" against its decree of January 5, 1916. The Court in the first instance refused, but without prejudice to an application to the Circuit Court of Appeals for the Third Circuit for leave to file such bill. Upon application that court granted plaintiffs leave to make the application to the district court, and authorized the latter court to take action thereon. Under this leave, application was renewed to the district court, the proposed "bill of review" being at the same time presented, and with leave of the court filed. This bill sets out the original bill and the proceedings had thereunder, as above recited; also the proceedings in the suit in the second circuit and the final decision of this court therein; alleging these as "new facts" that had arisen since the decree entered in the District Court for the Western District of Pennsylvania on the 5th of January, 1916, and as showing that that decree was erroneous and contrary to law, in so far as (pursuant to the opinion of the Circuit Court of Appeals for the Third Circuit) it dismissed the bill as to infringement of the reissue patent and failed to decree a perpetual injunction and ascertainment of damages as to infringement; prayed that the cause might be reopened and the decree rescinded and set aside, in so far as it dismissed the patent cause of action, and a new decree entered granting the relief prayed for in the original bill. Defendant answered admitting in the main, or at least not denying, the allegations of the so-called bill of review as to the former proceedings and decrees in the courts of the two circuits, but denying that the lamp involved in the Abercrombie & Fitch Company suit (the "Justrite lamp") corresponded

in essential features of construction with the "Grier lamp" involved in the present suit; averring that the decisions of the circuit courts of appeals of the two circuits were not rendered on the same state of facts; that the bill was—

in fact only a petition for rehearing because of the decision of the Supreme Court referred to therein;

and that the decision of this Court in the Abercrombie & Fitch Company suit formed no basis for a bill of review.

Afterwards, John Simmons Company by leave filed a supplemental bill setting up that it had acquired from Baldwin all his rights in the reissue patent including all claims for damages and profits on account of the infringement. Defendant having answered this, testimony was taken to show the structural identity of the "Justrite" and the "Grier" lamps, and the cause came to hearing, with the result that the district court found substantial identity between the two lamps in all essential features of construction, sustained the right of plaintiffs to maintain the bill of review, and held that its former decree, entered pursuant to the mandate of the circuit court of appeals, so far as it held the reissue patent invalid, should be vacated and set aside and a decree entered sustaining the validity of claim 4 of the reissue, finding defendant guilty of infringement thereof, and plaintiffs entitled to an accounting of profits and a perpetual injunction. From the decree thus entered an appeal was taken to the circuit court of appeals, which reversed it and remanded the cause with directions to reinstate the decree of January 5, 1916 (265 Fed. Rep., 481). To review this decision, the present writ of certiorari was allowed (253 U. S., 482).

The district court, as will appear from an excerpt from its opinion reported in a note to the opinion of the circuit court of appeals (265 Fed. Rep., 483), treated the case as one based upon a true bill of review, and this as resting not upon new matter that had arisen since the decree but upon error of law apparent on the face of the record without further examination of matters of fact.

The circuit court of appeals, upon a recital of the different steps in the litigation, regarded the situation as one of plaintiffs' own creation, for the reason that after that court's decision on the original bill but before the mandate went down, although apprised of the contrary decision of the District Court for the Southern District of New York in a cause to which they were parties, plaintiffs made no request to the Circuit Court of Appeals for the Third Circuit to withhold its mandate; that, after the mandate went down and before a decree pursuant to it was entered in the court below, they knew of the affirmance of the decision of the district court of New York by the Circuit Court of Appeals for the Second Circuit, yet made no request to either court in the third circuit to have the entry of a decree withheld; that on the contrary, with knowledge that this court had under consideration a petition for certiorari in the second circuit case, they prepared and of their own motion caused to be entered on January 5,

1916, the decree dismissing their suit as to the patent infringement; and after this court on January 10, 1916, granted the certiorari, they allowed the term to end without moving to suspend, open, or vacate the decree of January 5. The court held that in effect, so far as plaintiffs were concerned, that decree was a consent decree, and while not going to the extent of holding that this was sufficient to bar them from maintaining the bill of review, did declare that the anomalous situation and consequent hardship, arising from the fact that a patent adjudged valid in one circuit by this court at the same time had been adjudged invalid by the circuit court of appeals in another circuit, was due not to any fault of the law or of the patent system but to the failure of plaintiffs to take steps that might have avoided it. Proceeding to consider the legal question whether the decision of this court in 245 U. S., 198, either showed an error of law apparent on the face of the record without further examination of matters of fact, or constituted a new fact discovered since the decree and materially affecting it, the court held on the authority of *Scotten v. Littlefield* (235 U. S., 407, 411), *Tilghman v. Werk* (39 Fed. Rep., 680), and *Hoffman v. Knox* (50 Fed. Rep., 484) that the bill of review could not be maintained.

The cases cited are to the effect that, in the application of the ancient rule of practice in equity, based upon Lord Bacon's first ordinance (Story Eq. Pl., 6th ed., sec. 404), a change in the authoritative rule of law, resulting from a decision by this Court announced subsequent to the former decree, neither demonstrates an "error of law apparent" upon the face of that decree nor constitutes new matter *in pais* justifying a review.

[1, 2, 3] But a bill of review is called for only after a final decree—one that finally adjudicates upon the entire merits, leaving nothing further to be done except the execution of it. If it be only interlocutory, the court at any time before final decree may modify or rescind it. (Story Eq. Pl., secs. 408, a, 421, 425.) In the so-called bill of review herein, it is in terms alleged that the decree of the District Court for the Western District of Pennsylvania, entered July 24, 1914, was an interlocutory decree. The same is alleged as to the decree of January 5, 1916. Both allegations are admitted by the answer, which at the same time asserts that the "bill of review" is in fact only a petition for rehearing. Obviously, the nature of the decree is to be determined by its own essential purport and effect, not by the statements of the pleaders about it. But an examination of the record demonstrates that they correctly described the decree as interlocutory.

[4] The decree of July 24, 1914, although following a "final hearing", was not a final decree. It granted to plaintiffs a permanent injunction upon both grounds, but an accounting was necessary to bring the suit to a conclusion upon the merits. An appeal taken to the circuit court of

appeals, whose jurisdiction, under section 129 Judicial Code, extended to the revision of interlocutory decrees granting injunctions, followed by the decision of that court reversing in part and affirming in part, did not result in a decree more final than the one reviewed. The prayer for relief based upon infringement of patent and that based upon unfair competition in trade were but parts of a single suit in equity. The decree entered pursuant to the decision of the appellate court, did not bring the suit to a conclusion for either purpose. As to unfair competition, it evidenced a quasi-definitive decision in plaintiffs' favor, but an inquiry before a master still was necessary before final decree could pass; an inquiry not formal or ministerial but judicial, in order to ascertain the amount of the damages to be awarded. As to the claim of patent infringement, the decree evidenced a quasi-definitive decision adverse to plaintiffs, which, if nothing occurred to prevent, would in due course be carried into the final decree. But it did not constitute a separation of the cause, nor dismiss defendant from the jurisdiction for any purpose; necessarily this decision remained in abeyance until the cause should be ripe for final decree; there was nothing to take the case out of the ordinary rule that there can be but one final decree in a suit in equity.

Smith v. Vulcan Iron Works (165 U. S., 518, 525), where it was held by this Court, after some diversity of opinion among the circuit courts of appeals of the different circuits, that an appeal to one of those courts under section 7 of the act of 1891, from which section 129 Judicial Code was derived, taken from an interlocutory decree granting an injunction and awarding an accounting in a patent case, conferred jurisdiction upon the appellate court to consider and decide the case upon its merits, and thereupon direct a final decree dismissing the bill, if in its judgment it had no equity to support it, differed vitally from the case before us, since there an adverse decision upon the patent disposed of the entire merits, the suit having no other object. Nor was the situation presented in the present case analogous to that passed upon by this Court in *Hill v. Chicago & Evanston Railroad Co.* (140 U. S., 52), which arose out of its decision in 129 U. S., 170. There a decree was held final for the purposes of an appeal, which dismissed the bill as to certain parties and denied relief "upon all matters and things in controversy," although it left undetermined a severable matter in which those parties had no interest. The test of finality here to be applied is rather that exemplified by *Kcystone Iron Co. v. Martin* (132 U. S., 91) and cases cited. In *ex parte National Enameling Co.* (201 U. S., 156, 165; 121 O. G., 1679) it was pointed out that the rule of the *Hill* case can not apply to a case in which there is but a single defendant.

[5] Regarding, therefore, the decree of January 5, 1916, as an interlocutory not a final one, there is

neither technical nor substantial ground for applying to it the rules pertaining to a bill of review, and the bill herein called such is to be treated as essentially a petition for rehearing. By the 69th Equity Rule (226 U. S., 669) such a petition is in order at the term of the entry of the final decree; and, of course, if an interlocutory decree be involved, a rehearing may be sought at any time before final decree, provided due diligence be employed and a revision be otherwise consonant with equity.

[6] As the decree in question was entered pursuant to the mandate of an appellate court, proper deference to its authority required that a proceeding to reopen it, whether by rehearing or review, should be first referred to that tribunal. (*Southard v. Russell*, 16 How., 547, 570-571; *in re Potts*, 166 U. S., 263, 267; *National Brake Co. v. Christensen*, 254 U. S., 425, 430-431.)

[7] That having been done in this case, and leave for the purpose obtained (leave to grant a "review" fairly included any step short of that), what obstacle stood in the way of correcting the decree? The suit was still pending; plaintiffs applied promptly after the decision of this Court in the *Abercrombie & Fitch Co.* suit (245 U. S., 198). It was eminently proper that the decree in the present suit should be made to conform to that decision, in the absence of some special obstacle. We cannot assent to the view of the court below that plaintiffs may be regarded as consenting to the decree of January 5, 1916; they simply accepted an adverse decision as to a part of their suit, not open to further appeal at their instance, and proceeded in the orderly mode to pursue their suit as to the rest. They were not guilty of laches for omitting at that stage to make application to this Court for allowance of a writ of certiorari. That mode of review is not a right of the party, but lies in this court's discretion; peradventure the very fact that a final decree had not yet been entered might have been deemed a sufficient ground for refusing the writ. (*Hamilton Shoe Co. v. Wolf Brothers*, 240 U. S., 251, 254, 257-258.)

[8, 9] Our decision in *Abercrombie & Fitch Co. v. Baldwin* (245 U. S., 198) must be taken as not only demonstrating that the circuit court of appeals erred in its disposition of this case upon the first appeal (219 Fed. Rep., 735), but that the error, even though not amounting to "error apparent", within the meaning of Lord Bacon's first ordinance, afforded ample ground for setting matters right upon a rehearing before final decree, as was in effect done by the district court. No sufficient ground is shown for the reversal of its latest decree.

Decree of the circuit court of appeals reversed, and that of the district court affirmed; and the cause remanded to that court for further proceedings in conformity to this opinion.

Court of Appeals of the District of Columbia.

IN RE HAMMER.

No. 1,524. Decided January 2, 1923.

PATENTABILITY—ANTICIPATION.

Where the essential features of an application corresponds with features found in the references and operate in substantially the same manner without producing different results, *Held* that there is no invention in the combination.

Mr. Theo. K. Bryant for Hammer.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDIEL, Associate Justices.

SMYTH, C. J.:

Hammer's application for a patent on an improvement in wire mattresses was denied by the Patent Office. We set out claims 1, 3, and 5.

1. A mattress fabric comprising a continuous wire provided with a plurality of loops, one being opposite the other for helical connection, formed by twisting portions of the wire.

3. A mattress fabric comprising a continuous wire provided with a plurality of loops, one being opposite the other for helical connection, formed by double twisting one end and single twisting the other end of the return portions of the wire.

5. A mattress comprising a pair of frame members, a continuous wire having a plurality of loops formed by twisting the wire for helical connection with the frames, said wire having crimps to point in reverse directions, and transverse links connecting a crimp in the return bend of one wire with a crimp in the return bend of the other.

The application was rejected on a patent to Way July 28, 1914, on one to Langlykke September 24, 1918, and on one to Slater (British) March 13, 1907. We have considered it in the light of the references and are satisfied that its essential features correspond with features found in the references and operate in substantially the same manner without producing different results; consequently, that there is no invention in the combination. Under these circumstances the action of the Commissioner of Patents must be, and it is, affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

STILLWELL v. THOMPSON, JR.

Nos. 1,575 and 1,576. Decided May 7, 1923.

1. INTERFERENCE—PRELIMINARY STATEMENT—AMENDMENT.

Where a party, acting timely and in good faith, shows that an amendment is essential to the preservation of his rights, the privilege should be accorded, and this may be done at any step in the proceedings prior to the final determination of the case in the Patent Office.

2. SAME—SAME—SAME.

Where S., in company with one Woodbury, developed the invention in issue at the laboratory of the Du Pont Powder Company and three years later, at the time the original preliminary statement was prepared, S. and W. had before them a letter of Sept. 11, 1915, written by W. to the Du Pont Company, which indicated that conception had then taken place, and it appears from the affidavits in support of the motion to amend that when S. and W., after a search of the files of the Du Pont Powder Works had been made by S.'s attorney, were confronted with a letter dated Aug. 16, 1915, they clearly recalled a conference which S. had with W.

when he disclosed sketches of the invention and explained its operation, *Held* that the Examiners in Chief properly allowed S.'s motion to amend.

Mr. Edwin J. Prindle for Stillwell.

Mr. Thomas Howe for Thompson, jr.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, J.:

The two interferences can be treated as a single case. The single claim in issue in No. 1576 reads as follows:

The method of forming a cavity in explosive contained in a shell which consists in supporting the shell with its axis having a vertical component, whereby explosive released tends to drop away from the shell, and having its lower end open, and removing explosive material to form the desired cavity by relatively moving the shell and drills, or cutters of different diameters and in longitudinally fixed relationship, whereby the said drills or cutters enter into the explosive from the lower, open end of the shell along a path having a vertical component and the boring of large diameter is carried out simultaneously with a portion of the boring of smaller diameter.

Five more specific claims to the same method are involved in No. 1575. Claims 1 and 5 illustrate the invention in issue as follows:

1. The method of forming a cavity in explosive material contained in a shell having directly communicating bores of different diameters, which consists in boring out the explosives contained in the bore of larger diameter, on a diameter not greater than the diameter of the lesser bore.

5. The method of forming a cavity in explosive cast in a shell having bores of different diameters, which consists in advancing boring cutters or drills in fixed longitudinal relationship into the said explosive, the said cutters or drills being of different diameters to form holes of different diameters in the different bores respectively, the hole of larger diameter in the larger shell bore being not greater than the lesser bore.

From the claims it will be observed that the invention involves a method of boring out a portion of the explosive material cast in a shell to form a cavity to receive the detonator, which upon impact explodes the shell.

A patent was issued to the senior party Thompson February 5, 1918, upon a division of an application filed November 20, 1916. Stillwell filed his application July 24, 1916.

Stillwell in his preliminary statement alleged conception and disclosure on or before September 11, 1915, and reduction to practice October 30, 1915. Thompson in his preliminary statement fixed a date of conception on September 7, 1915, disclosure September 15, 1915, and reduction to practice November 1, 1915.

Since Thompson on the face of his preliminary statement could claim no earlier date than his alleged date of disclosure, it will be observed that Stillwell is prior both as to date of conception and reduction to practice. Thompson on motion was allowed by the Examiner to amend his preliminary statement, fixing the date of conception and disclosure at August 27, 1915. During the taking of the testimony Stillwell moved to be allowed to amend his preliminary statement. The motion was denied by the Examiner who awarded priority to Thompson. On appeal the Board of Examiners in Chief allowed Stillwell's motion to amend and awarded him priority, fixing his date of conception and disclosure as early as August 25, 1915, and reduction to practice on October 30, 1915.

The Commissioner denied the right of Stillwell to amend and reversed the Examiners in Chief. From the decisions these appeals were taken.

[1] The right of a party to amend in a patent case is not different from the similar right accorded by courts in proceedings at law and in equity. Where a party, acting timely and in good faith, shows that amendment is essential to the preservation of his rights, the privilege should be accorded, and this may be done at any step in the proceedings prior to the final determination of the case in the Patent Office. If both parties were restricted to the dates given in their preliminary statements, Stillwell would prevail. The tribunals below all agree that there is no evidence of intentional misstatement on the part of either of the parties or their witnesses. The whole case, therefore, turns upon the right of Stillwell to amend after a similar privilege had been accorded Thompson.

Thompson's right to amend, and indeed his case turns on a late-discovered sketch in the possession of his principal witness Smith. It appears that on September 7, 1915, Thompson went to Parlin, N. J., in the employ of the International Steel & Ordnance Company. He was there, as he states, for the first time confronted by the problem of boring shells. Conferences were held between Thompson and the officers of the company. As a result Thompson devised the invention in issue. Smith had been associated with Thompson before going to Parlin and was his chief assistant there in the course of developing the invention. When Thompson prepared his original preliminary statement, Smith was with the American Army in France.

After Thompson discovered, from the preliminary statements, that Stillwell was prior in point of time, he wrote Smith in part as follows:

September 4th, 1915.

Captain ST. CLAIR SMITH, 58th Artillery, C. A. C., A. E. F.

My dear SAINTY :-

It is highly important that a date of conception of the boring machine be substantiated. I went to Parlin, September 7th, 1915, and after reading the Russian specifications, immediately began to mentally design machinery for the new work. I remember that at that time I concentrated on machinery to form the cavities and have sketches of several types of casting plugs. I also remember planning to use an inverted drill press of some sort, adopted with a shell holder, and wonder if I did not roughly outline my purposes to you in our many conversations.

Can you recall of my telling you my plans, and would you be willing to say that I had divulged the general scheme within three days after taking up my duties at Parlin? If you can and will write me to this effect, it will be a great help. Please do not delay a reply.

* * *

Sincerely,

(Sgd.) ULDRIC THOMPSON, Jr.

Smith returned Thompson's letter answering in long hand on the back thereof in part as follows:

Dear TOMMY:

Please don't think me discourteous in replying on the back of your letter, but paper up front is a very scarce article.

Yes I remember very clearly your efforts to dope out a drill almost the very day you arrived on the scene and further you made some sketches. The drill question was taken up by you the very moment you arrived and if you will remember that while we were designing the crimping machine you and I discussed the kind of machinery necessary to drill the fuse seat in the charge. * * *

As always,

ST. CLAIR SMITH.

Smith testified that after he returned to this country he discovered among his papers a pencil

sketch, dated August 27, 1915, outlining the Thompson device. On the strength of this sketch Thompson amended. The testimony discloses that at the conferences at Parlin, Thompson disclosed his sketches made from time to time as the work developed. All these sketches were signed. The pencil sketch discovered by Smith, however, discloses no signature. The tribunals below all accorded Thompson the date of this drawing, August 27, 1915, as a date of conception and disclosure. Without further review of Thompson's case, we may say that on our view of the case the finding of the tribunals below may stand unimpeached, without affecting the result.

Coming to Stillwell's right to amend, it appears that he returned to New York from his annual vacation August 15, 1915, and on the following day he was informed that he was wanted at the engineering department of the Du Pont Powder Company at Wilmington, Del. He went there and in company with one Woodbury, developed the invention in issue. The original preliminary statements were filed three years later and it would not be surprising if both parties may have been uncertain as to exact dates. It was not until Stillwell's attorney made an investigation and search of the files of the Du Pont Powder Works that evidence of earlier dates than those appearing in the preliminary statement was discovered. From a letter it was ascertained that Stillwell also proceeded to Wilmington immediately. The letter dated August 16, 1915, from the chief engineer is as follows:

We are returning herewith original blue print of shell which we obtained from you through the chemical department. We also attach two photostatic prints of the shell, and one photostatic print to the chemical department's copy of this letter.

Mr. Stillwell will confer with Mr. Woodbury within the next few days in regard to the details of this installation, and he will please turn over to him the two photostatic prints attached hereto.

Mr. Stillwell was in this office today and it was agreed that he would take this matter up Wednesday the 18th inst., go over the proposition in detail with Mr. Woodbury, and make some preliminary sketches and designs of the apparatus and layout desired, submitting same to us as soon as possible. There will be some experimental work required, and we suppose Mr. Woodbury will give Mr. Stillwell the benefit of the experiments which he has so far carried on and assist him in any further work necessary.

At the time the original preliminary statement was prepared, Stillwell and Woodbury had before them a letter of September 11, 1915, written by Woodbury to the chemical department of the Du Pont Company, which among other things, contained the following statement:

We have already talked with Mr. Stillwell regarding the drilling operation and he is preparing to set up a drill press here at the laboratory in order to try out both the drilling and boring.

This, it appears, accounted for the date of conception and disclosure fixed in the original preliminary statement as "on or before September 11, 1915."

It appears from the affidavits in support of the motion to amend, that when Stillwell and Woodbury, after a search had been made by Stillwell's attorney, were confronted with the letter of August 16th they clearly recalled from the data before

them the conferences appointed for August 18th and that within two days or not more than a week, August 25th thereafter, Stillwell had a second conference with Woodbury when he disclosed sketches of the invention and explained its operation.

[2] We deem it unnecessary to further review the evidence in this case since it has been analyzed in great detail both by the Examiner and the Board of Examiners in Chief. As suggested, if both parties were restricted to the dates given in their original preliminary statements, Stillwell would prevail. Our examination of the record convinces us that if either party is to be permitted to amend his preliminary statement, the right should be accorded both. Indeed, Stillwell's position in this regard is stronger and more consistent than Thompson's. We are in full accord with the reasoning and able analysis of the case, as given in the opinion of the Board of Examiners in Chief.

The decisions of the Commissioner are, therefore, reversed.

Dissenting—Mr. Chief Justice SMYTH.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

821,393, Wright & Wright, Flying machine, suit filed Dec. 1, 1921, D. C., S. D. N. Y., Doc. E 22/294, *Wright Aeronautical Corp. v. Ludlow Syndicate, Inc., et al.* Bill dismissed without prejudice June 5, 1923. Same, suit filed Dec. 6, 1921, D. C., S. D. N. Y., Doc. E 22/311, *Wright Aeronautical Corp. v. Aeronautical Equipment Co.* Bill dismissed without prejudice June 5, 1923.

871,735, J. Rashkin, Doors for elevator shafts, suit filed Feb. 20, 1922, D. C., D. Mass., Doc. E 1694, *The Peelle Co. v. Morrison & Skinner Co.* Final decree dismissing bill with costs entered Mar. 17, 1923. Case being appealed.

885,135, F. P. Barney, Separable cuff-link buttons, suit filed June 12, 1923, D. C., D. R. I., Doc. 171, *C. D. Lyons v. Parks Bros. & Rogers, Inc.*

895,412, A. C. Badger, Method of forming compound receptacles; 1,052,709, same, Expansion joints, final decree by consent dismissing bill and counterclaim without costs entered May 21, 1923, D. C., D. Mass., *A. C. Badger v. E. B. Badger & Sons Co.*

948,615, A. C. Pratt, Machines for making link mesh, suit filed Sept. 17, 1920, D. C., D. Mass., Doc. E 1023, *Whiting & Davis Co. v. S. G. Mandalian.* Final decree by consent for plaintiff for injunction entered Mar. 10, 1922. Injunction issued Apr. 1, 1922.

953,478, W. E. Davey, Process of reenforcing trees, suit filed June 7, 1923, D. C., N. D. Ohio (E. D.), Doc. 910, *The Davey Tree Expert Co. v. G. Van Yahres.*

970,672, 1,147,288, W. H. Whittier, Refrigerator linings, suit filed June 14, 1923, D. C., E. D. Mich. (S. D.), Doc. 586, *Grand Rapids Refrigerator Co. v. Wright & Tyler Co. et al.*

978,030, A. A. Kent, Electric contact device, suit filed Mar. 17, 1922, D. C., S. D. N. Y., Doc. E 23/222, *A. Kent Mfg. Co. v. Gilfillan Bros., Inc.* Order of discontinuance without prejudice and costs signed and filed June 6, 1923, by consent.

1,007,498, W. H. Spencer, Illuminating devices, suit filed Dec. 27, 1921, D. C., D. Mass., Doc. E 1663, *I. P. Frink v. L. Erickson Electric Co.* Final decree dismissing bill with costs to defendant and granting injunction against plaintiff Feb. 26, 1923. Case being appealed.

1,022,991, E. M. White, Oiling systems for automobiles; 1,241,589, same, Interceptor for splash-lubrication crank cases; 1,256,754, same, Splash-oiling system; 1,238,233, same, Lubrication control for internal-combustion engines, suit filed Dec. 26, 1922, D. C., S. D. Calif., Doc. G 50, *E. M. White v. Reo Motor Car Co.* Settled out of court, action dismissed without costs to either party.

1,050,216, C. Holl, Ring fabric, suit filed Jan. 28, 1922, D. C., S. D. N. Y., Doc. E 23/72, *C. Holl v. B. Schanfein et al.* Consent decree adjudging infringement and granting injunction June 11, 1923.

1,052,709. (See 895,412.)

1,090,776, H. H. Boyce, Indicating system and apparatus for internal-combustion engines; 1,275,654, same, Indicating means for motor-propelled vehicles; 1,311,152, same, Means for indicating the condition of internal-combustion engines, decree pro confesso sustaining patents, adjudging infringement, and granting perpetual injunction filed Sept. 9, 1922, D. C., S. D. N. Y., *H. H. Boyce et al. v. Macmaster & Lindner, Inc.*

1,113,149, E. H. Armstrong, Wireless receiving systems, suit filed June 5, 1923, D. C., S. D. N. Y., Doc. E 26/368, *Westinghouse Electric & Mfg. Co. v. Cutting & Washington Radio Corp.* Same, suit filed June 13, 1923, D. C., S. D. N. Y., Doc. E 26/389, *Westinghouse Electric & Mfg. Co. v. Mogul Electric Co., Inc., et al.* Consent decree adjudging infringement and granting injunction filed June 15, 1923.

1,147,288. (See 970,672.)

1,153,089, W. Jay, Fuel-feeding device for internal-combustion engine, suit filed June 16, 1923, D. C., E. D. Mich. (S. D.), Doc. 587, *W. Jay et al. v. Maxwell Motor Corp.*

1,212,128, Chamberlin & Fezzey, Double-compartment packages for mailing purposes, appeal filed May 12, 1923, C. C. Appeals (8th Cir.), Doc. 6362, *C. T. Fezzey v. Bemis Bros. Bag Co.*

1,238,233. (See 1,022,991.)

1,241,589. (See 1,022,991.)

1,256,754. (See 1,022,991.)

1,269,964, 1,431,186, T. C. Schenk, Clamping device for the connection of poles, balks, and the like, consent and order of discontinuance signed and filed June 13, 1923, D. C., S. D. N. Y., *Schenk Timber Clamp Corp. et al. v. Pyle-Rogers Corp.*

1,275,654. (See 1,090,776.)

1,311,152. (See 1,090,776.)

1,326,139, L. S. Riley, Mounting corners, suit filed Jan. 10, 1921, D. C., D. Mass., Doc. E 1059, *S. L. Sneterson v. L. S. Riley et al.* Final decree pursuant to stipulation dismissing bill without costs May 19, 1922.

1,385,702. (See Des. 53,600.)

1,396,449, J. G. Maclaren, Pneumatic-dispatch apparatus; 1,443,795, same, Governing means for pneumatic systems, suit filed June 13, 1923, D. C., S. D. N. Y., Doc. E 26/390, *The Standard Carrier Co. v. G. & G. Atlas Systems, Inc.*

1,422,776, H. Maxenchs, Flexible metallic structure, consent and order of discontinuance signed and filed June 15, 1923, D. C., S. D. N. Y., *Maxenchs & Saladrigas (H. Maxenchs & Co.) v. H. Seidman et al.*

1,431,186. (See 1,269,964.)

1,438,440, H. F. Jackson, Advertising devices, suit filed June 12, 1923, D. C., W. D. Mich. (S. D.), Doc. 1987, *L. R. Conwell v. The Beckwith Co.*

1,443,795. (See 1,396,449.)

1,447,703, F. C. Whittington, Automatic bumper, suit filed June 9, 1923, D. C., W. D. Mich., Doc. 1985, *Stewart-Warner Speedometer Corp. v. New Era Spring & Specialty Co.* Same, Doc. 1986, *Stewart-Warner Speedometer Corp. v. Wolverine Bumper & Specialty Co.*

Des. 53,600, 1,385,702, T. Mountford, Setting for precious stones, suit filed Oct. 11, 1921, D. C., D. Mass., Doc. E 1410, *Blancard & Co., Inc. v. T. G. Frothingham & Co., Inc.* Final decree by consent for injunction entered Mar. 13, 1922.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,270,559, S. Simpson, Clutch facing, decided May 14, 1923, claim 2.

Pat. 1,332,923, W. Shurtleff, Heating and ventilating unit, decided July 10, 1923, claim 8.

Pat. 1,397,275, J. J. Fitzgerald, Gage device, decided June 11, 1923, claims 1, 5, and 7.

Pat. 1,432,925, G. Thompson, Impulse sender, decided June 19, 1923, claims 3 and 5.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 31, 1923.

[Vol. 312. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 143,823. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANSEL S. LEO, New York, N. Y. Filed Feb. 19, 1921.

LUCKY STRIKE



Particular description of goods.—Wheat Flour.
Claims use since 1916.

Ser. No. 150,895. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GABEL BROS., Garberville, N. Y. Filed July 25, 1921.

Black Wonder

Particular description of goods.—Stove Polish.
Claims use since June 29, 1921.

Ser. No. 154,895. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio. Filed Nov. 1, 1921. Under section 9 of the act of Mar. 19, 1920.

BERGER

Particular description of goods.—Black Steel, Galvanized Steel, Rust-Resisting Anticorrosive Iron, and Iron, Steel, and Alloy-Steel Metal Sheets.

Claims use since 1896.

Ser. No. 155,589. (CLASS 39. CLOTHING.) THE AMERICAN LADY WAIST CO., New York, N. Y. Filed Nov. 19, 1921.

ATHENA

Particular description of goods.—Ladies' Waists.
Claims use since about Nov. 1, 1921.

Ser. No. 156,133. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ATTICA MILLS, Attica, Kans. Filed Dec. 1, 1921.



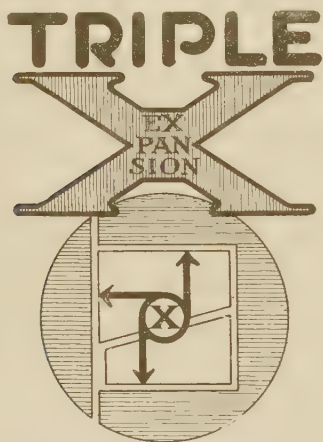
The words "Kansas Sunshine" and "Flour" being disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since about Feb. 10, 1921.

Ser. No. 158,487. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL PROCESS COMPANY, INC., New York, N. Y. Filed Jan. 26, 1922.

Repro- Prints

Particular description of goods.—Photo Prints.
Claims use since Oct. 12, 1921.

Ser. No. 158,929. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHN F. JONES, Pomona, Calif. Filed Feb. 6, 1922.



No claim is asked broadly for the word "Expansion" and no separate claim therefor is made for it.

Particular description of goods.—Piston Packing Rings.
Claims use since Jan. 14, 1922.

Ser. No. 159,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOS ANGELES FERTILIZER COMPANY, Oakland, Calif. Filed Feb. 13, 1922.



Applicant disclaims the use of the word "Brand" apart from the mark shown.

Particular description of goods.—Meat Scraps for Poultry Food.

Claims use since 1917.

Ser. No. 159,711. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBBY, McNEILL & LIBBY, Chicago, Ill. Filed Feb. 23, 1922.



Particular description of goods.—Pork and Beans, Meat Extracts, Bouillon Cubes, Canned Soups, Canned Fish; Canned, Dried, and Preserved Fruits, Berries, and Vegetables; Plum Puddings and Mincemeats, Olives, Pickles; Catchups and Relishes, Sauces, and Condiments for Seasoning Food; Olive Oil, Salad Oils and Salad Dressings, Marmalades, Fruit Butters, Jams, Fruit Preserves and Jellies; Fresh, Condensed, Powdered, and Evaporated Milk.

Claims use since Jan. 2, 1905.

Ser. No. 160,428. (CLASS 39. CLOTHING.) HENRI PICARD, New York, N. Y. Filed Mar. 9, 1922.



No claim is made to the exclusive use of the word "Brussels" apart from the mark as shown.

Particular description of goods.—Hats and Caps for Men, Women, and Children.

Claims use since about Jan. 31, 1922.

Ser. No. 160,429. (CLASS 39. CLOTHING.) HENRI PICARD, New York, N. Y. Filed Mar. 9, 1922.



HORS CONCOURS

Laville, Petit & Crespin
PARIS

No claim is made to the exclusive use of the words "Chapeau," "Importe," "Hors Concours," and "Paris" apart from the mark as shown.

Particular description of goods.—Hats and Caps.
Claims use since about Jan. 31, 1922.

Ser. No. 160,643. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OCTINA A. TILLMAN, Cape May, N. J. Filed Mar. 13, 1922.

ALLISA

Particular description of goods.—Shampoo Preparation, Massage Cream, and a Preparation for the Treatment of the Hair.

Claims use since August, 1915.

Ser. No. 160,731. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VOORHEES RUBBER MFG. Co., Jersey City, N. J. Filed Mar. 15, 1922.

INTERLOCK

The trade-mark consists of the word "Interlock" arranged as shown in accompanying drawing.

Particular description of goods.—Hose Made Wholly or Partly of Rubber or a Rubber Composition.

Claims use since Feb. 23, 1922.

Ser. No. 161,200. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT T. PETERS, doing business as Vitaminal Products Co., Peoria, Ill. Filed Mar. 24, 1922.

VITAMINERAL

Particular description of goods.—Cattle, Swine, Dairy, and Poultry Feed.

Claims use since Apr. 1, 1921.

Ser. No. 161,747. (CLASS 38. PRINTS AND PUBLICATIONS.) PACIFIC RADIO PUBLISHING Co., INC., San Francisco, Calif. Filed Apr. 4, 1922.

RADIO

Particular description of goods.—Monthly Publication.
Claims use since Oct. 20, 1921.

Ser. No. 162,148. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRENTON MILLING Co., Trenton, Ill. Filed Apr. 11, 1922.



These stripes are in alternate red and blue and entirely surround the container, as shown in the drawing. These horizontal stripes are in two pairs, one pair above and one pair beneath the circular design.

Particular description of goods.—Wheat Flour.

Claims use since Aug. 6, 1915.

Ser. No. 162,938. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GUSTAV MEZ, doing business as Mercedes Buro-Maschinen- und Waffen-Werke, Benshausen, Post Mehlis, in Thuringia, Germany. Filed Apr. 26, 1922.

„Elektra“

Particular description of goods.—Adding Machines and Parts Thereof; Calculating Machines, Including Those with Electric Drive, and Parts Thereof; Slide Rules, and Hand-Operated Counting Registers.

Claims use since 1920.

Ser. No. 162,939. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GUSTAV MEZ, doing business as Mercedes Buro-Maschinen- und Waffen-Werke, Benshausen, Post Mehlis, in Thuringia, Germany. Filed Apr. 26, 1922.

Euklid

Particular description of goods.—Adding Machines and Parts Thereof; Calculating Machines, Including Those with Electric Drive, and Parts Thereof; Slide Rules, and Hand-Operated Counting Registers.

Claims use since 1909.

Ser. No. 164,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED STATES FOIL COMPANY, Louisville, Ky. Filed May 20, 1922.

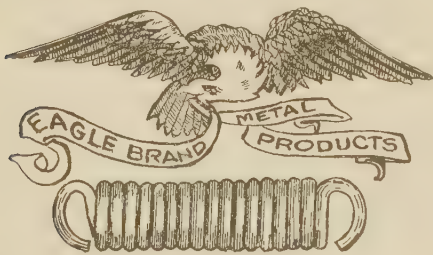
KLONDIKE SLICE

No claim made to the word "Slice" apart from the mark as shown.

Particular description of goods.—Ice Cream.

Claims use since Apr. 28, 1922.

Ser. No. 165,501. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MILLER & VAN WINKLE, INC., Brooklyn, N. Y. Filed June 14, 1922. Under ten-year proviso.



Particular description of goods.—Springs for General Use, Such as Compression, Extension, and Torsion Springs.

Claims use since 1884.

Ser. No. 166,082. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER MELLOR, Philadelphia, Pa., and Cummington, Mass. Filed June 26, 1922.

TODMORDEN FARM

Particular description of goods.—Raw Milk and Cream, Butter, Cheese, Cattle, Fresh Apples, Eggs; Poultry, Alive and Dressed for Food Purposes; Fresh Vegetables, and Fresh Corn.

Claims use since Jan. 9, 1922.

Ser. No. 166,371. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRISON & Co., also doing business as Harrison Flour Mills Co., New York, N. Y. Filed July 1, 1922.

HARISCO

Particular description of goods.—Wheat Flour.

Claims use since May 25, 1922.

Ser. No. 166,413. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed July 1, 1922.

INVESTORS' GUIDE

Trade-mark "Investors' Guide."

Particular description of goods.—Heading for a Newspaper Column.

Claims use since Dec. 15, 1915.

Ser. No. 166,573. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE R. SCHOOLEY, doing business as Henry N. Schooley and Son, Luzerne, Pa. Filed July 7, 1922.

CHANTICLEER

Particular description of goods.—Food for Chickens.

Claims use since 1902.

Ser. No. 166,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRISON & Co., also doing business as Harrison Flour Mills Co., New York, N. Y. Filed July 10, 1922.

ROSALIND

Particular description of goods.—Wheat Flour.

Claims use since June 22, 1922.

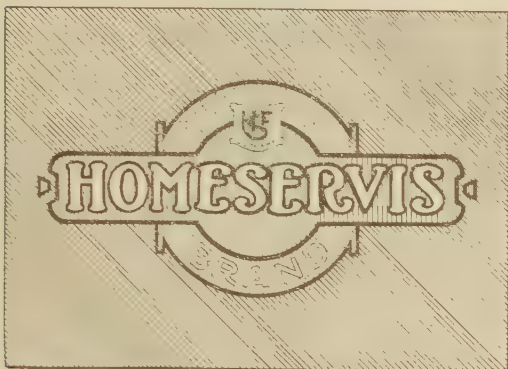
Ser. No. 166,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRISON & Co., also doing business as Harrison Flour Mills Co., New York, N. Y. Filed July 10, 1922.

MONOPLANE

Particular description of goods.—Wheat Flour.

Claims use since June 22, 1922.

Ser. No. 167,084. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HOME FOOD SERVICE COMPANY, INCORPORATED, Denver, Colo. Filed July 19, 1922.



No claim made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Breakfast Cereal Foods.

Claims use since June 15, 1922.

Ser. No. 167,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WHEACO CEREAL CORPORATION, Denver, Colo. Filed July 19, 1922.



Color is not a particular feature of the mark, the lining being for purposes of shading only, and no claim made to the words "A Pure Whole Wheat Food, Made in Denver, Colorado, U. S. A." apart from the mark shown in the drawing.

Particular description of goods.—Cereal Breakfast Foods, Wheat Flour, Pancake Flour, and Buckwheat Flour.

Claims use since Jan. 1, 1919.

Ser. No. 167,422. (CLASS 39. CLOTHING.) THOMAS G. PLANT COMPANY, Boston, Mass. Filed July 26, 1922.

FIVE TOE FITTER

No claim is made to the individual words except as combined in the mark.

Particular description of goods.—Boots, Shoes, and Slippers of Leather, Rubber, Felt, Silk, Cloth, and Other Fabric Construction.

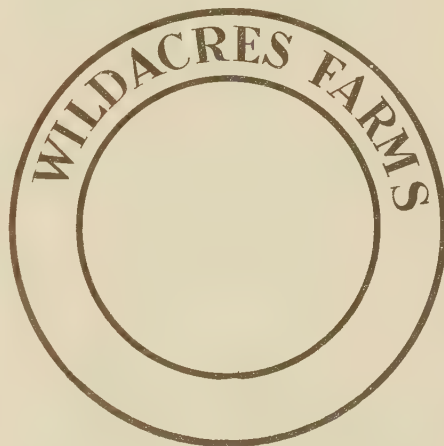
Claims use since Dec. 22, 1921.

Ser. No. 167,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. R. MONTAGUE COMPANY, La Crosse, Wis. Filed July 29, 1922.

**"ASK THOSE
Try Me WHO EAT
THEM"**

Particular description of goods.—Candy.
Claims use since Mar. 1, 1914.

Ser. No. 167,714. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. J. DAVOL, North Kingstown, R. I. Filed Aug. 2, 1922.



Particular description of goods.—Milk, Butter.
Claims use since Jan. 2, 1909.

Ser. No. 168,238. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LENA B. ARCHER, Navarre, Ohio. Filed Aug. 16, 1922.



Particular description of goods.—Alloy Made from Nickel Ore for Forging Steel.

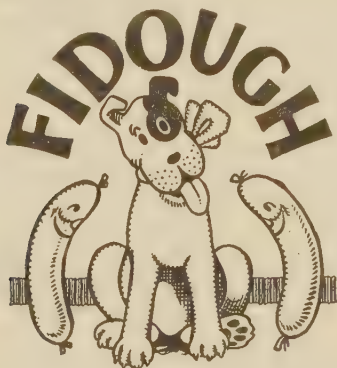
Claims use since about Nov. 1, 1920.

Ser. No. 168,494. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPANGENBERG & Co., Chicago, Ill. Filed Aug. 19, 1922.

"SOMETHING TO CROW ABOUT"

Particular description of goods.—Eggs.
Claims use since May 18, 1915.

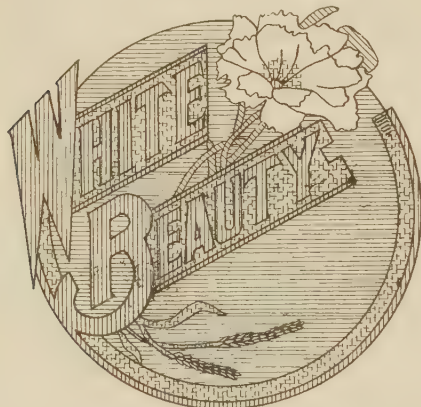
Ser. No. 169,129. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRINGTON & HORD, Fort Worth, Tex. Filed Sept. 6, 1922.



THE DOG ADORED

Particular description of goods.—Article of Food Composed of Ground Meats, Catchup, and Crackers.
Claims use since Aug. 1, 1922.

Ser. No. 169,722. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LONGMONT FARMERS MILLING & ELEVATOR Co., Longmont, Colo. Filed Sept. 20, 1922.



Color forms no particular part of the mark, the lining being for purposes of shading only.

Particular description of goods.—Wheat Flour.
Claims use since Apr. 10, 1922.

Ser. No. 169,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEHLOR FLOUR MILLS COMPANY, St. Louis, Mo. Filed Sept. 25, 1922.

RADIO

Particular description of goods.—Wheat Flour.
Claims use since Sept. 1, 1922.

Ser. No. 170,359. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BAKER, HAMILTON AND PACIFIC COMPANY, San Francisco, Calif. Filed Oct. 6, 1922.



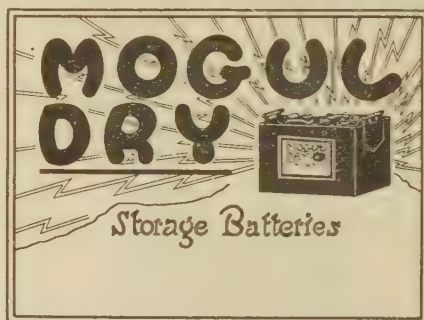
Particular description of goods.—Garden Hose.
Claims use since July, 1920.

Ser. No. 170,916. (CLASS 39. CLOTHING. WEDGE HEEL & RUBBER Co. INC., Fort Wayne, Ind. Filed Oct. 18, 1922.



Particular description of goods.—Rubber Heels.
Claims use since August, 1922.

Ser. No. 171,135. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MOGUL ELECTRIC COMPANY, Seattle, Wash. Filed Oct. 24, 1922.



No claim is made to "Dry Storage Batteries" or to the representation of a battery apart from the mark shown.

Particular description of goods.—Batteries.
Claims use since July 1, 1922.

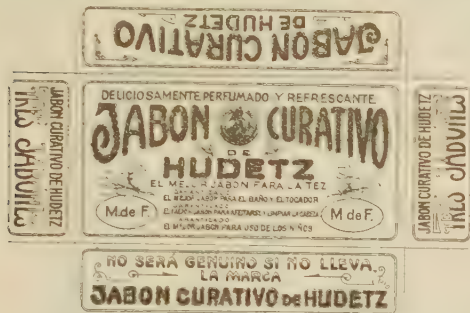
Ser. No. 171,139. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORG SCHICHT A. G., Aussig, Czechoslovakia. Filed Oct. 24, 1922.



All wording appearing on the drawing, with the exception of the words "de Hudetz," are disclaimed apart from the mark shown.

Particular description of goods.—Toilet and Medicinal Soap.
Claims use since May, 1922.

Ser. No. 171,147. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORG SCHICHT A. G., Aussig, Czechoslovakia. Filed Oct. 24, 1922.



All the wording appearing on the drawing, with the exception of the words "de Hudetz," are disclaimed apart from the mark shown.

Particular description of goods.—Toilet and Medicinal Soap.

Claims use since May, 1922.

Ser. No. 171,442. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BRUNO RADIO CORPORATION, New York, N. Y. Filed Nov. 1, 1922.



Particular description of goods.—Radio Sending Sets, Radio Receiving Sets, Assembled and Not Assembled.

Claims use since July 1, 1922.

Ser. No. 171,523. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUSTIN, NICHOLS & CO. INC., Brooklyn, N. Y. Filed Nov. 3, 1922.

MALLARD



Particular description of goods.—Apricots, Black Cherries, White Cherries, Peaches, Pears, Pineapple, Egg Plums, Green Gage Plums, Blackberries, Gooseberries, Black Rasp-

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berries, Red Raspberries; Canned Vegetables—Namely, Asparagus; Pickled Peaches; Fruit Preserves—Namely, Peach, Plum, Blackberry, Strawberry, Raspberry, Strawberry Jam; Canned Fish—Namely, Salmon, Sardines, Shrimp, Clam Chowder, Fish Flakes, Lobster, Cove Oysters; Spices—Namely, Allspice, Cinnamon, Cloves, Jamaica Ginger, African Ginger, Ground Mustard, Nutmeg, Paprika, Black Pepper, Cayenne Pepper, Red Pepper, White Pepper; Tomato Catchup, Piccalilli, Salad Dressing, Chili Sauce, Chowchow, Pearl Onions, Sour Gherkin Pickles, Sour Pickles, Sour Mixed Pickles, Sweet Pickles, Sweet Mixed Pickles, Sweet Gherkins, Sour Relish, Cider Vinegar, Olives, Birdseed, Shelled Popping Corn, Toasted Corn Flakes, Evaporated Milk, Prepared Mustard, Apple Butter, Peanut Butter, Chocolate, Coffee, Tea, Raisins, and Currants.

Claims use since about July, 1900.

Ser. No. 171,829. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUSY BEE CANDY COMPANY, St. Louis, Mo. Filed Nov. 11, 1922.

BUSY BEE

Particular description of goods.—Candy and Cakes.

Claims use since Feb. 20, 1886.

Ser. No. 171,880. (CLASS 39. CLOTHING.) UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Filed Nov. 11, 1922.

REVERE

Particular description of goods.—Rubber Heels.

Claims use since Oct. 2, 1922.

Ser. No. 172,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORD FLOUR COMPANY, INC., Wilmington, Del., and Nashville, Tenn. Filed Nov. 21, 1922.

WILL RISE

Particular description of goods.—Self-Rising Flour.

Claims use since July, 1922.

Ser. No. 172,553. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK & TILFORD, New York, N. Y. Filed Nov. 25, 1922.



Particular description of goods.—Fruit (in Jars)—Maraschino Cherries, Washed Figs, Stuffed Figs and Dates, Stuffed Fard Dates, Imperiales Fleurs (French

Prunes); Cherries, Fresh Red; Peaches, Fresh; Pears, Fresh; Pineapple, Fresh; Raspberries, Fresh; Peaches, Pickled; Strawberries, Preserved; Fruits (in Glass)—Fruit Salad, Fruit Cocktail; Figs, Preserved; Watermelon Rind; Strawberries, Preserved; Kumquats, Preserved; Melange, Preserved; Cherries, Preserved; Fruits (in Tins)—Apples, Apple Sauce; Apricots; Apricots, Peeled; Apricots, Whole; Blackberries, Blueberries, Royal Anne Cherries, Red Pitted Cherries, Royal Purple Cherries, Cranberry Sauce, Egg Plums, Royal Purple Plums, Red Raspberries, Skinless Figs, Whole Fresh Figs, Fruit Cocktail, Fruit Salad, Grapefruit, Loganberries, Melba Peaches, Yellow Cling Peaches, Bartlett Pears, Sliced Hawaiian Pineapple, Grated Hawaiian Pineapple, Green Gage Plums, Black Raspberries, Strawberries, Sliced Yellow Cling Peaches; Fruits (Dried)—Currants, Imported Sultana Seedless Raisins, Seeded Muscat Raisins, Seedless Raisins, Golden Dates, Oregon Prunes, California Prunes; Apricots, Extra Fancy; Pears, Extra Fancy Jumbo; Peaches, Practically Peeled; Vegetables (in Tins)—Asparagus, Giant Peeled White; Asparagus, Giant Peeled Green; Asparagus, Special Giant Green; Asparagus, Special Giant White; Asparagus, Giant White; Asparagus, Giant Green; Asparagus, Mammoth Green; Asparagus, Mammoth White; Asparagus Tips, Medium Green; Asparagus Tips, Medium White; Lima Beans, Extra Small; Lima Beans, Small; String Beans, Extra Tiny; String Beans, Extra Small; String Beans, Refugee; Cut String Beans, Red Kidney Beans; Golden Wax Beans, Extra Small; Golden Wax Beans, Cut; Ruby Beets, Extra Small; Brussels Sprouts, Country Gentleman Corn, Fancy Maine Corn, Golden Bantam Corn; Corn on Cob, Golden Bantam; Okra, Whole Dwarf; Okra, Cut; Okra and Tomatoes, Petit Pois Peas; Peas, Extra Sifted Early June; Peas, Early June Sifted; Peas, Early June; Peas, Extra Sweet Fine; Peas, Sweet Fine; Potatoes, Sweet; Pumpkin, Rhubarb, Sauerkraut; Succotash, Extra Fancy; Succotash, Golden Bantam; Spinach, Natural Free from Grit; Squash; Tomatoes, Extra Fancy Hand-Packed Jersey; Tomatoes, Extra Fancy; Tomatoes, Fancy Jersey; Tomato Paste, Concentrated; Tomato Puree; Vegetables (in Glass)—Sweet Cucumber Rings; Jams and Marmalade (in Glass)—Apricot Jam, Blackberry Jam, Cherry Jam, Black-Currant Jam, Red-Currant Jam, Damson Jam, Grape Jam, Peach Jam, Pineapple Jam, Plum Jam, Raspberry Jam, Strawberry Jam, Orange Marmalade; Jellies (in Glass)—Blackberry, Crabapple, Black Currant, Red Currant, Grape, Mint (with Apple), Quince, Raspberry (with Currant), Florida-Guava Jelly, Bar-le-Duc; Fish (in Tin)—Lobster; Shrimp, Dry; Shrimp, Wet; Tunny; Salmon Steak, Royal Chinook; Salmon, Sockeye Red; Salmon, Red Alaska; California Sardines; Sauces—Hot Sauce, Mint Sauce, Melba Sauce, Salad Dressing, Tomato Catchup, Chili Sauce, Oyster-Cocktail Sauce; Olives—Capers (in Glass)—Capers, Olives; Miscellaneous Groceries—Chocolate Nut Butter, Peanut Butter, Grated Cheese, Chicken Livers, Creamed Chicken, Potted Chicken, Chicken in Jelly; Chocolate, Unsweetened; Sweet Chocolate, Single Vanilla; Sweet Chocolate, Double Vanilla; Sweet Chocolate, Triple Vanilla; Sweet Chocolate, Cocoa; Honey, Orange Blossom; Marrons; Marrons, Glacé; Marshmallow, Mince-meat, Prepared Mustard, Salted Nuts, Shelled Fancy Mixed Nuts, Ripe Olives, Plum Pudding, Whole Dill Pickles, Sweet Gherkins, Sweet Mixed Pickles, Sour Mixed Pickles, Sour Gherkins, Pickled Onions, Sweet Relish, Chowchow, Vermont Maple sugar, Vermont Maple Cream, Vermont Soft Maple Sugar, Vermont Maple Sirup, Vanilla Beans, Cider Vinegar, Bird Food, Coconut, Sago, Pearl Tapioca, Fine Barley, Pearl Barley, Farina, Rice; Tapioca, Flake; Yellow Split Peas, Green Split Peas, Cornstarch, Rice Flour, Bay Leaves, Marjoram, Savory, Mint, Sage, Thyme, Vanilla Extract for Food Purposes, Lemon Extract for Food Purposes, Almond Extract for Food Purposes, French Wine Vinegar, Crystallized Stem Ginger, Stuffed Prunes, Stuffed Dates, Peppermint Extract for Food Purposes, Strawberry Extract for Food

Purposes, Raspberry Extract for Food Purposes, Pioneer Coffee, Spices, Pioneer Orange Pekoe Ceylon Tea, Individual Tea, Gelatin Jelly Powder, Rolled Oats, Norwegian Brisling Sardines, Norwegian Kipperd Herring, Norwegian Herring in Tomato Sauce, Norwegian Soused Mackerel, Anchovies in Glass, Hors d'Œuvre; Olives, Farcies; Rhubarb, Spanish Pimientos, Codfish; Smyrna Figs, Layer; Smyrna Figs, Pulled; Spanish Muscatel Raisins, Glacé Fruit, Glacé Cherries.

Claims use since Sept. 1, 1921.

Ser. No. 173,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEANUT GROWERS ASSOCIATION, Norfolk, Va. Filed Dec. 6, 1922.

Pickaninny

Particular description of goods.—Peanuts, Shelled and Unshelled; Salted Peanuts, Peanut Butter, Peanut Oil, and Peanut Meal.

Claims use since Sept. 1, 1921.

Ser. No. 173,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COWICHE CREAMERY, Cowiche, Wash. Filed Dec. 19, 1922.



Particular description of goods.—Dairy Products—Namely, Butter, Cheese.

Claims use since Jan. 1, 1917.

Ser. No. 173,776. (CLASS 38. PRINTS AND PUBLICATIONS.) EUGENE B. McCANN, doing business as Mutual Benefit Association, New York, N. Y. Filed Dec. 23, 1922.



Trade-mark consists of the words "Benefit Dymes" inscribed in contour letters in a six-pointed star. The words "We Accept" and "Dymes" not being claimed as part of the mark.

Particular description of goods.—Coupons for the Purchase of merchandise.

Claim use since Dec. 15, 1922.

Ser. No. 174,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 2, 1923.



Particular description of goods.—Wheat Flour and Stock Feeds.

Claims use since 1917.

Ser. No. 174,509. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASE-TEEL COMPANY, INC., Jackson, Miss., and New Orleans, La. Filed Jan. 12, 1923

BETTA

Particular description of goods.—Stock and Poultry Feed.

Claims use since Sept. 1, 1922.

Ser. No. 174,597. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y. Filed Jan. 13, 1923.



HARINA SUPERIOR
LA PALOMA
KANSAS CITY,
U. S. A.

The lining in the drawing is intended to denote the color blue. Exclusive use of the words "Harina Superior, Kansas City, U. S. A." are disclaimed apart from the mark shown.

Particular description of goods.—Wheat Flour.
Claims use since October, 1914.

Ser. No. 174,679. (CLASS 39. CLOTHING.) TUXEDO SHIRT CO. INC., New York, N. Y. Filed Jan. 16, 1923.

TRUHU

Particular description of goods.—Men's Shirts for Dress, Negligee, and Work Purposes.

Claims use since Jan. 2, 1923.

Ser. No. 174,685. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA CREAMERY COMPANY, Anna, Ohio. Filed Jan. 17, 1923.

ANNA MAID

Particular description of goods.—Butter.

Claims use since Jan. 6, 1923.

Ser. No. 174,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Filed Jan. 23, 1923.

MELT AWAY

Particular description of goods.—Cookies.

Claims use since Nov. 20, 1922.

Ser. No. 174,956. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Filed Jan. 23, 1923.

POPPY

Particular description of goods.—Cookies.

Claims use since Nov. 20, 1922.

Ser. No. 175,183. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. E. BURLBY & COMPANY, Fort Wayne, Ind. Filed Jan. 27, 1923.

LITTLE ELF



Particular description of goods.—Rolled Oats, Coffee, Salted Peanuts, Candy Kisses, Spaghetti, Macaroni, Egg Noodles, Cane and Maple Sirup, Evaporated Milk, Rice, Tapioca, Dry Beans, Cocoa, Salad Dressing, Tea, Minced meat, Olive Oil, and Cornstarch for Food Purposes.

Claims use since Apr. 15, 1919.

Ser. No. 175,227. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL C. VILAS, Fowl River, Ala. Filed Jan. 27, 1923.

"ATLASTA"

Particular description of goods.—Citrous Fruits, Fresh and Canned, and Nuts, Shelled and Unshelled.

Claims use since June, 1922.

Ser. No. 175,262. (CLASS 46. FOODS AND INGREDIENTS.) NAFZIGER BAKING COMPANY, Kansas City, Mo. Filed Jan. 29, 1923.



The word "Loaf" is hereby disclaimed apart from the other features of the mark shown on the drawing.

Particular description of goods.—Bread.

Claims use since April, 1922.

Ser. No. 175,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VITIMIN MILLING COMPANY, Los Angeles, Calif. Filed Jan. 29, 1923.



The color line appearing in the drawing represents red.

Particular description of goods.—Bread.

Claims use since February, 1921.

Ser. No. 175,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VITIMIN MILLING COMPANY, Los Angeles, Calif. Filed Jan. 29, 1923.



The color line appearing in the drawing represents red.

Particular description of goods.—Wheat Flour.

Claims use since September, 1920.

Ser. No. 175,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLEON E. ANDERSON, doing business as D. W. Anderson Drug Co., Moroni and Ephraim, Utah. Filed Jan. 30, 1923.

TOXO

Particular description of goods.—Preparation for Cancer and Sore Throat.

Claims use since Jan. 15, 1921.

Ser. No. 175,367. (CLASS 38. PRINTS AND PUBLICATIONS.) G. L. MILLER & COMPANY, INC., Wilmington, Del., and New York, N. Y. Filed Jan. 31, 1923.



No claim is made to the words "Miller Bonds."

Particular description of goods.—Bonds, Certificates, Booklets, Stories.

Claims use since Jan. 1, 1919.

Ser. No. 175,416. (CLASS 38. PRINTS AND PUBLICATIONS.) TIMES PRINTING COMPANY OF SEATTLE, Seattle, Wash. Filed Feb. 1, 1923.

I SEE BY THE PAPERS

Particular description of goods.—Column of News in Its Newspaper, Said Column Appearing from Time to Time.

Claims use since Apr. 14, 1921.

Ser. No. 175,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOLEY FOOD PRODUCT COMPANY, Washington, D. C. Filed Feb. 3, 1923.

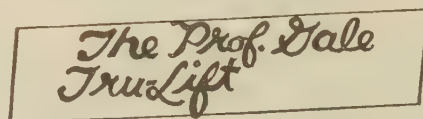
LADDIE BUN

No claim made to the word "Bun" apart from the mark shown.

Particular description of goods.—Food Product—a Frankfurter Inclosed in a Roll or Biscuit and Popularly Known as "Hot Dog."

Claims use since Jan. 18, 1923.

Ser. No. 175,525. (CLASS 39. CLOTHING.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 3, 1923.



Particular description of goods.—Corsets.

Claims use since July 9, 1921.

Ser. No. 175,779. (CLASS 39. CLOTHING.) THE FERRIS BROS. COMPANY, New York, N. Y. Filed Feb. 9, 1923.

Ferris

SENSIBLE STOUT

The word "Stout" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Corsets, Corset Waists, and Brassières.

Claims use since September, 1922.

Ser. No. 175,801. (CLASS 32. FURNITURE AND UPHOLSTERY.) BENJAMIN F. LINDSLEY, doing business as The Perfection Bed Spring Company, Mansfield, Ohio. Filed Feb. 9, 1923.



Applicant disclaims all of the wording appearing on the drawing except the words "Perfection Bed Spring Co.," and also disclaims the representation of a Chaintop spring, in so far as it is descriptive of the article.

Particular description of goods.—Bed Springs.

Claims use since Oct. 1, 1922.

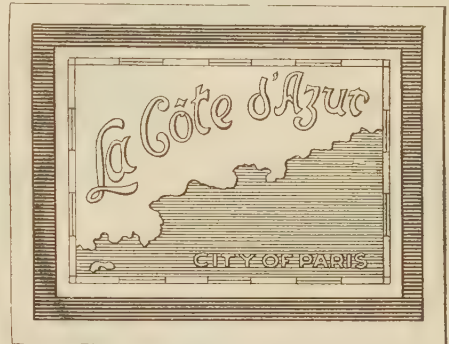
Ser. No. 175,871. (CLASS 38. PRINTS AND PUBLICATIONS.) CHARLES WILLIAM KAHLES, Queens, N. Y. Filed Feb. 10, 1923.

Hairbreadth Harry

Particular description of goods.—Cartoon Feature Sold to Various Newspapers and Newspaper Syndicates of the United States.

Claims use since 1907.

Ser. No. 175,917. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CITY OF PARIS DRY GOODS COMPANY, San Francisco, Calif. Filed Feb. 12, 1923.



No claim is made to the words "City of Paris" appearing on the drawing. The lining on the drawing indicates the color blue.

Particular description of goods.—Bath Salts.

Claims use since Jan. 15, 1922.

Ser. No. 176,196. (CLASS 38. PRINTS AND PUBLICATIONS.) LEGION PUBLISHING CORPORATION, New York, N. Y. Filed Feb. 17, 1923.

BUDDY in the BARREL



Particular description of goods.—Magazine Section.

Claims use since January, 1921.

Ser. No. 176,329. (CLASS 39. CLOTHING.) THE CROFUT & KNAPP Co., South Norwalk, Conn. Filed Feb. 20, 1923.

DE LUXE

Particular description of goods.—Caps and Hats of Felt, Straw, Silk, Cloth, and Fur, for Men and Women.

Claims use since Feb. 1, 1906.

Ser. No. 176,626. (CLASS 38. PRINTS AND PUBLICATIONS.) HILLBERN THRIFT CORPORATION, Chicago, Ill. Filed Feb. 26, 1923.



Particular description of goods.—Printed Books.

Claims use since Dec. 1, 1922.

Ser. No. 176,629. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIANAPOLIS ABATTOIR COMPANY, Indianapolis, Ind. Filed Feb. 26, 1923.



Particular description of goods.—Hams, Bacons, Sausages, Shoulders, Minced Luncheon Meat, Pressed Meat, Luncheon Tongue, Sliced Dried Beef, Jowl, Head Cheese, Smoked Boneless Butts, and Lard.

Claims use since 1907.

Ser. No. 176,654. (CLASS 38. PRINTS AND PUBLICATIONS.) GEO. D. ROPER CORPORATION, Rockford, Ill. Filed Feb. 26, 1923.

Recifile

Trade-mark consists of the word "Recifile."

Particular description of goods.—Compilation of Recipes, Card Index of Recipes, and Printed Recipes.

Claims use since Feb. 13, 1923.

Ser. No. 176,801. (CLASS 39. CLOTHING.) MORGAN SHOE COMPANY, Boston, Mass. Filed Mar. 1, 1923.

Nurses Aide

Particular description of goods.—Nurses' Shoes Made Wholly or in Part of Leather and Fabric.

Claims use since Mar. 1, 1921.

Ser. No. 176,804. (CLASS 39. CLOTHING.) IDA MUNZER, INC., New York, N. Y. Filed Mar. 1, 1923.

Doris Brassiere

No claim is made to the word "Brassière" aside from the mark shown.

Particular description of goods.—Brassières.

Claims use since Jan. 15, 1923.

Ser. No. 177,059. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUELLA WHITT, Malvern, Iowa. Filed Mar. 6, 1923.



LOUELLA'S DISINFECTANT

No claim is made to the word "Disinfectant" apart from the mark as shown. The mark consists of a picture of the registrant with her first name, "Louella," therebeneath.

Particular description of goods.—Disinfectant.

Claims use since Mar. 7, 1922.

Ser. No. 177,187. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARINELLO COMPANY, La Crosse, Wis. Filed Mar. 9, 1923.

YOUTHGLOW

Particular description of goods.—Rouge and Face Powder.

Claims use since July, 1921.

Ser. No. 177,269. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DRS. BROWN AND BROWN, Chicago, Ill. Filed Mar. 12, 1923.

Pyro-Pack

Particular description of goods.—Medicated Wax for the Treatment of Pyorrhea.

Claims use since Jan. 31, 1923.

Ser. No. 177,371. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 13, 1923.

TUDOR

Particular description of goods.—Scissors, Shears, and Pocketknives.

Claims use since July 1, 1922.

Ser. No. 177,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALMON J. WHITE, Carrollton, Mo. Filed Mar. 14, 1923.

SANTO

Particular description of goods.—Tonic Compound for Treating Worms, Thumps, and the Digestive Organs in Hogs and Other Live Stock.

Claims use since Sept. 15, 1922.

Ser. No. 177,492. (CLASS 39. CLOTHING.) ABRAHAM A. KAHIL, doing business as The Guarantie Company, New York, N. Y. Filed Mar. 15, 1923.



No claim is made herewith to the registration of the word "Tie" and the representation of a necktie apart from the mark shown in the drawing.

Particular description of goods.—Neckties, Scarfs, and Sweaters.

Claims use since Mar. 6, 1923.

Ser. No. 177,510. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PACKARD MOTOR CAR COMPANY OF NEW YORK, New York, N. Y. Filed Mar. 15, 1923.

LUCKSTONE

Particular description of goods.—Rubber Tubes for Pneumatic Tires.

Claims use since 1919.

Ser. No. 177,529. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE VITA FOOD COMPANY, Chicago, Ill. Filed Mar. 15, 1923.

VITA-CHOCOLATE

No exclusive right being claimed in the word "Chocolate" apart from the mark shown on the drawing.

Particular description of goods.—Maltless Chocolate Cereal Beverages.

Claims use since Feb. 1, 1923.

Ser. No. 177,679. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEVITE MANUFACTURING COMPANY, Dothan, Ala. Filed Mar. 19, 1923.

"PALMETTA"

Particular description of goods.—Tonic to be Applied to the Human Scalp and as a Tonic and Dressing for the Human Hair.

Claims use since Feb. 6, 1922.

Ser. No. 177,727. (CLASS 39. CLOTHING.) H. L. DISTILLATOR & SON, New York, N. Y. Filed Mar. 20, 1923.



Oak Ridge

Particular description of goods.—Ladies' Hats.

Claims use since July 14, 1923.

Ser. No. 177,736. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE GOLDBLUM, doing business as Stanley Drug Company, Philadelphia, Pa. Filed Mar. 20, 1923.

STANTON VIN-COD

Particular description of goods.—Medicine for Treatment of General Debility, Nervous Prostration, Phthisis, Tuberculosis, Emaciation, Scrofula, Winter Cough, and Bronchitis.

Claims use since May 27, 1921.

Ser. No. 177,763. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Mar. 21, 1923.

Harry Berger

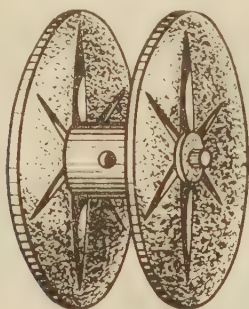
SWISS POPLIN

No claim is made herein for registration of the words "Swiss Poplin" except in the association shown in the drawing, no common-law rights in such words, however, being waived.

Particular description of goods.—Men's and Boys' Shirts—Namely, Dress, Negligee, and Work Shirts.

Claims use since Jan. 1, 1923.

Ser. No. 177,776. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE GRIFFING MANUFACTURING Co., Norwalk, Conn. Filed Mar. 21, 1923.



**GOOD-BRAID
MADE BY
THE G. M. CO.**

The words "Good Braid Made by" is disclaimed apart from the mark as shown.

Particular description of goods.—Braids of Silk, Cotton, Mercerized, and Mixtures, Tinsel Braids, Cord Edge, Tubular, Soutache, Hercules, and Shell Braids, of Silk, Cotton, Mercerized, and Mixtures.

Claims use since Dec. 11, 1922.

Ser. No. 177,801. (CLASS 39. CLOTHING.) REIFF-MAN-CORN INC., New York, N. Y. Filed Mar. 21, 1923.



No claim is made to the word "Shirt" apart from the mark as shown in the drawing.

Particular description of goods.—Vests for Outer Wear for Men.

Claims use since Jan. 20, 1923.

Ser. No. 177,832. (CLASS 39. CLOTHING.) DALTON HOSIERY MILLS, Dalton, Ga. Filed Mar. 22, 1923.

DREAM-SILK

No claim made to the exclusive use of the word "Silk" apart from the mark as shown in the drawing. Trade-mark consists of the words "Dream Silk."

Particular description of goods.—Hosiery.

Claims use since Feb. 1, 1923.

Ser. No. 177,861. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE MILLER, New York, N. Y. Filed Mar. 22, 1923.



Particular description of goods.—Tooth Paste.
Claims use since July, 1915.

Ser. No. 177,915. (CLASS 39. CLOTHING.) KNOTHE BROTHERS Co., INC., New York, N. Y. Filed Mar. 23, 1923.

The Club

Particular description of goods.—Garters, Waist Belts, and Suspenders.

Claims use since Jan. 18, 1923, on garters; since Feb. 7, 1923, on belts; since Mar. 19, 1923, on suspenders.

Ser. No. 178,019. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN MUTUAL LIABILITY INSURANCE COMPANY OF BOSTON, Boston, Mass. Filed Mar. 26, 1923.

**AMERICAN MUTUAL
MAGAZINE**

Particular description of goods.—Monthly Publication.
Claims use since Sept. 1, 1921.

Ser. No. 178,049. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CLIFFORD M. LARSON, Chicago, Ill. Filed Mar. 26, 1923.

VISGAGE

Particular description of goods.—Liquid Gauges, Gauges for Measuring the Relative Change in Gravities of Liquids, and Gauges for Measuring the Percentage of Dilution of Viscosity of Liquids.

Claims use since Feb. 1, 1923.

Ser. No. 178,178. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) FRANK L. GRASSINI, doing business as Globe Beverage Co., Chicago, Ill. Filed Mar. 28, 1923.



The word "Beverage" and the representation of a bottle are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since Feb. 1, 1923.

Ser. No. 178,198. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STOWE & WOODWARD COMPANY, Newton and Newton Upper Falls, Mass. Filed Mar. 28, 1923.

NOMARKOFF

Particular description of goods.—Rubber-Covered Rolls for Paper Mills, Tanneries, Bleacheries, Etc.

Claims use since Dec. 1, 1922.

Ser. No. 178,528. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 3, 1923.

Zenith

Particular description of goods.—Nail Hammers, Tack Hammers, Engineer's or Plow Hammers, Machinists' Hammers, Prospecting Picks, Tinners' and Machinists' Riveting Hammers; Farriers', Shoemakers', and Brick Hammers; Bricklayers' Scutches; Hatchets, including Broad, Half, Shingling, Lathing, Box, and All Fancy Hatchets; Axes, Single and Double Bit, Boys', Cruisers', and Hunters'; Broadaxes, Adzes, Handles of All Kinds; Saws, Crosscut, One-Man, Hand, Panel, and Rip; Miter-Box Saws, Keyhole and Compass Saws, Saws in Sets, Miter Boxes, Butcher Saws, Coping Saws, Bucksaws, Hack Saws, Hack-Saw Blades, Saw Sets, Saw Vises, Planes, Floor Scrapers and Floor Planes; Spokeshaves, Drawknives, Peeling Knives; Carpenters' Chisels, Carpenters' Slicks, Plastering and Brick Trowels, Toilet Clippers, Shears and Scissors, Tinners' Snips, Butcher Knives, Household Knives, Paring Knives, Putty Knives, Carvers, Game Shears, Chain Drills, Screw Drivers, Bit Braces, Extension Bit Holders, Auger Bits, Ship Auger and Car Bits, Expansive Auger Bits, Screw-Driver Bits, Reamer Bits and Countersinks, Awls and Tools in Sets, Cold Chisels, Punches, and Nail Sets; Pliers, Whether Combination or Side Cutting; Wire-Cutting Nippers and Fence Pliers, Belt Punches, Ticket Punches, Files, Shovels, Tiling Spades, Scoops, Telegraph Spoons and Shovels, Railroad Picks, Clay Picks, Grub Hoes and Mattocks, Hayforks of All Kinds, Garden Hoes and Rakes, Hand Cultivators, Scythes and Snaths, Lawn Mowers, Grass Shears, Grass Hooks, Hunting Knives, Razors, Striking and Drilling Hammers, Stone Hammers and Stone Sledges, Blacksmith Sledges, Ship Mauls, Spike Mauls, Wood-Choppers' Mauls, Railroad-Track Chisels, Carpenters' Ripping Bars, Automatic Screw Drivers, Automatic Drills, Hand Drills, Breast Drills, Twist Drills, Reamers, and Wrenches.

Claims use since about Mar. 1, 1923.

Ser. No. 178,560. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HECHT & MENDES INCORPORATED, New York, N. Y. Filed Apr. 4, 1923.



Particular description of goods.—Cotton Fabrics, Cotton and Silk, Mixed Fabrics, Cotton and Wool Mixed Fabrics, Silk and Wool Mixed Fabrics, and All-Silk Fabrics.

Claims use since Mar. 1, 1923.

Ser. No. 178,566. (CLASS 15. OILS AND GREASES.) PENNSYLVANIA LUBRICATING COMPANY, Pittsburgh, Pa. Filed Apr. 4, 1923.



Particular description of goods.—Lubricating Oils and Greases.

Claims use since Mar. 15, 1923.

Ser. No. 178,604. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARFIELD WORSTED MILLS, Garfield, N. J. Filed Apr. 5, 1923.

VELVONIT

Trade-mark consists of the word "Velvonit."

Particular description of goods.—Knitted Woolen Piece Goods.

Claims use since June 7, 1922.

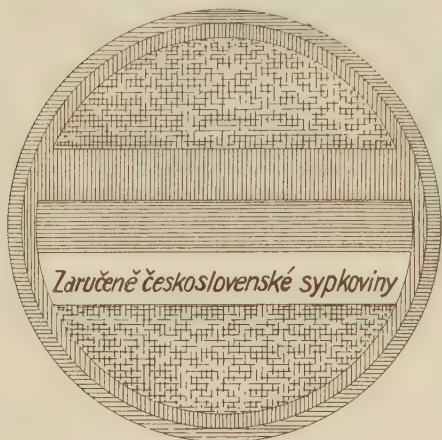
Ser. No. 178,641. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. J. STRASBURGH COMPANY, Rochester, N. Y. Filed Apr. 5, 1923.

LAXAPHOS

Particular description of goods.—Saline Cathartic Put Up in Effervescent Tablet Form.

Claims use since August, 1922.

Ser. No. 178,835. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREUND, FREUND & COMPANY, New York, N. Y. Filed Apr. 9, 1923.



In the trade-mark drawing the outer ring is blue, the second or inner ring is red. Centrally disposed are three stripes, the first of which is red, the second or intermediate blue, and the lower stripe white, all as indicated by the lining thereof. Those portions beyond the stripes and within the inner circle are gold or gilt. The printed matter appearing upon the drawing translated into English means "Guaranteed Czechoslovak Tickings," and no claim is made to the printed matter appearing on the drawing for the purposes of this registration, applicant, however, reserving all common-law rights relative to such printed matter.

Particular description of goods.—Nankins and Tickings in the Piece.

Claims use since Nov. 22, 1921.

Ser. No. 178,895. (CLASS 39. CLOTHING.) DAVIDSON BROTHERS COMPANY, Sioux City, Iowa. Filed Apr. 10, 1923.

Bryn Mawr

Particular description of goods.—Ladies' Hats and Bonnets.

Claims use since Jan. 1, 1921.

Ser. No. 178,941. (CLASS 38. PRINTS AND PUBLICATIONS.) WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 10, 1923.

Electrical Housekeeping

Particular description of goods.—Title to a Monthly Publication.

Claims use since on or about Apr. 3, 1923.

Ser. No. 179,017. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE UPICO MANUFACTURING AND SALES COMPANY, Cincinnati, Ohio. Filed Apr. 11, 1923.

UPICO

Particular description of goods.—Spark Timers for Internal-Combustion Engines.

Claims use since Dec. 7, 1922.

Ser. No. 179,045. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE JOUVENCE COMPANY, INC., New York, N. Y. Filed Apr. 12, 1923.

Jouvence

Particular description of goods.—Material in Liquid Form Used for Cleansing and Beautifying the Skin and Improving the Complexion.

Claims use since Jan. 15, 1923.

Ser. No. 179,068. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE TIN DECORATING COMPANY OF BALTIMORE, Baltimore, Md. Filed Apr. 12, 1923.

TINDECOTOY

Particular description of goods.—Mechanical Toys, Sheet-Metal Toys of Various Kinds, Toy Automobiles, Toy Fire Engines, Toy Wagons, Toy Animals, Toy Dolls, and Other Toys Formed by Stamping Out of Sheet Metal.

Claims use since Apr. 3, 1923.

Ser. No. 179,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNIVERSAL THEATRES CONCESSION CO., Chicago, Ill. Filed Apr. 12, 1923.

GOLDEN MIST

Particular description of goods.—Candy.

Claims use since Feb. 1, 1923.

Ser. No. 179,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNIVERSAL THEATRES CONCESSION Co., Chicago, Ill. Filed Apr. 12, 1923.

FOLLY TOWNS

Particular description of goods.—Candy.
Claims use since Feb. 1, 1923.

Ser. No. 179,105. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Apr. 13, 1923.

LUXOR

Particular description of goods.—Dress Shields.
Claims use since Apr. 2, 1923.

Ser. No. 179,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL NUT PRODUCTS CO., Inc., New York, N. Y. Filed Apr. 13, 1923.



Applicant disclaims the word "Brand" except in the precise relation and association in which it appears in the labels and drawings.

Particular description of goods.—Salted Nut Meats.
Claims use since Apr. 4, 1923.

Ser. No. 179,121. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WHITELY EXERCISER COMPANY, New York, N. Y. Filed Apr. 13, 1923.

CYCLO

Particular description of goods.—Punching-Bag Platforms and Punching-Bag Apparatus.
Claims use since 1911.

Ser. No. 179,220. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 16, 1923.

ANTUITRIN

Particular description of goods.—Extract Anterior Lobe Pituitary Gland.

Claims use since Jan. 2, 1919.

Ser. No. 179,287. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WHITE TAR COMPANY, New York, N. Y. Filed Apr. 17, 1923.

SPRAYOCED

Trade-mark consists of the word "Sprayoced."

Particular description of goods.—Liquid Insecticide.
Claims use since Feb. 1, 1923.

Ser. No. 179,315. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE NORWALK TIRE & RUBBER COMPANY, Norwalk, Conn. Filed Apr. 18, 1923.

ORTHO

Particular description of goods.—Elastic Vehicle Tires.
Claims use since Mar. 7, 1923.

Ser. No. 179,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BARR MANUFACTURING CORPORATION, Tyrone, Pa. Filed Apr. 20, 1923.



Particular description of goods.—Toilet Preparations—Namelny, Complexion Clay.
Claims use since Feb. 20, 1923.

Ser. No. 179,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BAYARD CHEMICAL COMPANY, New York, N. Y. Filed Apr. 20, 1923.

HAIR - VALET

Particular description of goods.—Hair Pomade.
Claims use since Jan. 15, 1923.

Ser. No. 179,442. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN SAUSAGE & PROVISION Co., INC., New York, N. Y. Filed Apr. 20, 1923.

CASALINGO



Particular description of goods.—Tomato Paste.
Claims use since Apr. 6, 1923.

Ser. No. 179,459. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLFAX FRUIT GROWERS ASSN., Colfax, Calif. Filed Apr. 21, 1923.

Sun Smile

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since 1921.

Ser. No. 179,469. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. A. HARLAN & Co., San Jose, Calif. Filed Apr. 21, 1923.

SANTARA

Particular description of goods.—Dried Fruits and Canned Fruits and Vegetables.
Claims use since Feb. 15, 1923.

Ser. No. 179,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTON L. MILLER, doing business as Charles N. Miller Co., Boston, Mass. Filed Apr. 21, 1923.

SUNNY POPS

Particular description of goods.—Candy.
Claims use since Mar. 1, 1923.

Ser. No. 179,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMES & AMES, Mecca, Calif. Filed Apr. 23, 1923.

"FROM THE DEVIL'S SUGAR BOWL"

Particular description of goods.—Fresh Citrous Fruits, Fresh Grapes, and Fresh Vegetables.
Claims use since July 15, 1922.

Ser. No. 179,577. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ZINSMEISTER & SONS, INCORPORATED, Louisville, Ky. Filed Apr. 23, 1923.

UMACO

Particular description of goods.—Coffee.
Claims use since Aug. 31, 1922.

Ser. No. 179,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA ALMOND PACKERS, Sacramento and North Sacramento, Calif. Filed Apr. 24, 1923.

BLOSSOM



Particular description of goods.—Salted Almonds.
Claims use since Nov. 19, 1921.

Ser. No. 179,663. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 25, 1923.

Broiderette

Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 16, 1923.

Ser. No. 179,677. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PATRICK-YOUNG COMPANY, also doing business as Boyd Packing Company, Richmond, Va. Filed Apr. 25, 1923.

HONEY CUT

Particular description of goods.—Smoked Hams and Bacon.
Claims use since 1911.

Ser. No. 179,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE A & P PRODUCTS CORPORATION, Jersey City, N. J. Filed Apr. 26, 1923.

Perfect Strike

Particular description of goods.—Canned Salmon.
Claims use since Mar. 26, 1923.

Ser. No. 179,697. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE A & P PRODUCTS CORPORATION, Jersey City, N. J. Filed Apr. 26, 1923.

Some Strike

Particular description of goods.—Canned Salmon.
Claims use since Mar. 26, 1923.

Ser. No. 179,776. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Apr. 27, 1923.

AMARNA

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Apr. 19, 1923.

Ser. No. 179,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Apr. 27, 1923.

BAST

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Apr. 19, 1923.

Ser. No. 179,778. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Apr. 27, 1923.

KAHIRA

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Apr. 19, 1923.

Ser. No. 179,779. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Apr. 27, 1923.

KHEPERA

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Apr. 19, 1923.

Ser. No. 179,857. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DERN FOOD COMPANY, Colorado Springs, Colo. Filed Apr. 28, 1923.

Derngood

Particular description of goods.—Coffee.
Claims use since 1915.

Ser. No. 179,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAWDEY & HUNT, Los Angeles, Calif. Filed Apr. 28, 1923.

BLUE BOY

Particular description of goods.—Fresh Lettuce, Fresh Cantaloupes.
Claims use since Apr. 5, 1923.

Ser. No. 179,894. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TORSION TEST PISTON RING CORPORATION, Newark, N. J. Filed Apr. 28, 1923.

T-N-T

Particular description of goods.—Piston Rings.
Claims use since September, 1920.

Ser. No. 179,918. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANCHORAGE PACKING Co., Seattle, Wash. Filed Apr. 30, 1923.

TYONEK

Particular description of goods.—Canned Salmon.
Claims use since May 1, 1922.

Ser. No. 179,928. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CUTTER ELECTRICAL AND MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 30, 1923.



Particular description of goods.—Electrical Switches and Inclosed Electrical Switches and Circuit Breakers.
Claims use since on or about Feb. 1, 1922.

Ser. No. 179,976. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WEARITE STORAGE BATTERY Co., Philadelphia, Pa. Filed Apr. 30, 1923.



No claim is made to the words "Storage Battery" apart from the mark as shown.

Particular description of goods.—Storage Batteries.
Claims use since Mar. 10, 1923.

Ser. No. 179,985. (CLASS 43. THREAD AND YARN.) BARBOUR FLAX SPINNING Co., Paterson, N. J. Filed May 1, 1923.



Particular description of goods.—Hand-Sewing and Machine-Sewing Linen Threads.
Claims use since about July 23, 1850.

Ser. No. 180,003. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MADAME GEORGENE, INC., New York, N. Y. Filed May 1, 1923.

Wonder

Particular description of goods.—Dolls.
Claims use since Sept. 19, 1920.

Ser. No. 180,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed May 1, 1923.

STANOLAX

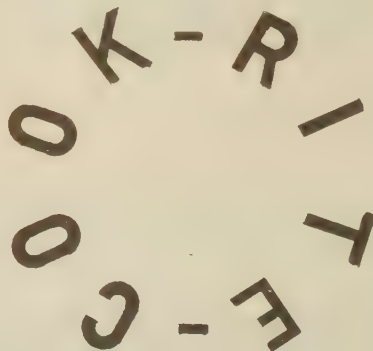
Particular description of goods.—Medicinal Mineral Oils.
Claims use since Nov. 5, 1914.

Ser. No. 180,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MABEL WEST, doing business as Westnell Company, Houston, Tex. Filed May 1, 1923.

WESTNELL

Particular description of goods.—Liquid Mouth Wash for Use in the Treatment of Pyorrhea and Gum Disorders.
Claims use since Apr. 1, 1923.

Ser. No. 180,088. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) WARREN I. TYCER, Roseville, Ohio. Filed May 2, 1923.



Particular description of goods.—Earthenware Utensils—Namely, Preserving Kettles, Stew Kettles, Baking Pans, Pie Plates, Double Boilers, and Mixing Bowls.
Claims use since Apr. 1, 1922.

Ser. No. 180,118. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FULCRA-TAN COMPANY, New York, N. Y., assignor to Geltan Company, New York, N. Y., a Corporation of Delaware. Filed May 3, 1923.

GELTAN

Particular description of goods.—Tanning Materials.
Claims use since about Apr. 15, 1923.

Ser. No. 180,122. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) C. C. HUMBERSTONE, doing business as Monarch Packing & Supply Co., Chicago, Ill. Filed May 3, 1923.

MONOTITE

Particular description of goods.—Compressed Asbestos-Fiber Sheet Packing.
Claims use since May 26, 1922.

Ser. No. 180,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. KOETTER, doing business as Koetter Manufacturing Co., Peoria, Ill. Filed May 3, 1923.

Auto-Lax

Particular description of goods.—Carbon Remover for Gasoline Engines.
Claims use since about Apr. 15, 1923.

Ser. No. 180,142. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAJAH RADIO GUILD, University City, Mo. Filed May 3, 1923.

RAJAH

Particular description of goods.—Radio Receiving Sets and Parts Thereto.
Claims use since Mar. 15, 1923.

Ser. No. 180,165. (CLASS 17. TOBACCO PRODUCTS.) ALL SAINTS CIGAR CO., Tampa, Fla. Filed May 4, 1923.

FAMOUS

Particular description of goods.—Cigars.
Claims use since Mar. 22, 1922.

Ser. No. 180,224. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SATIE KADASZ, Philadelphia, Pa. Filed May 5, 1923.

GUD-LAX

Particular description of goods.—Laxatives.
Claims use since Sept. 30, 1916.

Ser. No. 180,304. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR G. SMITH, doing business as The Spic Company, Chicago, Ill. Filed May 7, 1923.



Particular description of goods.—Toilet Powder.
Claims use since Jan. 20, 1923.

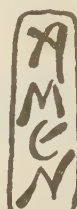
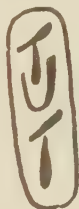
Ser. No. 180,318. (CLASS 38. PRINTS AND PUBLICATIONS.) AETNA LIFE INSURANCE COMPANY, Hartford, Conn. Filed May 8, 1923.

THE SAFER WAY



Particular description of goods.—Monthly Periodical.
Claims use since Oct. 1, 1922.

Ser. No. 180,331. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LAURA J. EYLES, Chicago, Ill. Filed May 8, 1923.



Particular description of goods.—Dolls.
Claims use since Apr. 1, 1923.

Ser. No. 180,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD A. WARNICK, doing business as Ka-Nix Sales Co., Birmingham, Ala. Filed May 8, 1923.

KA-NIX

Particular description of goods.—Tooth Paste.
Claims use since Apr. 21, 1923.

Ser. No. 180,341. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MULTIBESTOS COMPANY, Walpole, Mass. Filed May 8, 1923.

TAXITRUX

Particular description of goods.—Brake Lining.
Claims use since Mar. 3, 1923.

Ser. No. 180,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS SCHULZE, doing business as Success Pharmacia Co., Baltimore, Md. Filed May 9, 1923.

SUCCESS

Particular description of goods.—Remedy for Toothache and Neuralgia and a Medicinal Preparation for Removing Corns.
Claims use since 1911.

Ser. No. 180,428. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CARL A. HAY, doing business as Newton Ice Cream Company, Newton, Kans. Filed May 10, 1923.

Newton

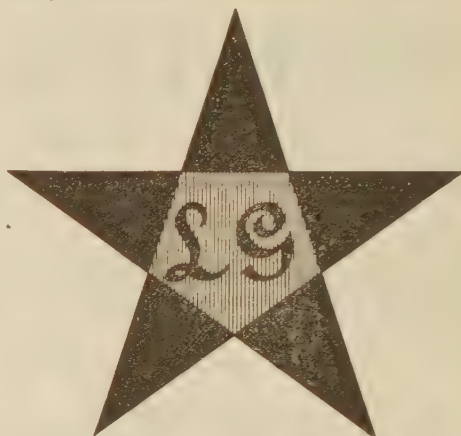
Particular description of goods.—Ginger Ale and Non-alcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since October, 1920.

Ser. No. 180,467. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) LINWOOD S. CARNEY, Boston, Mass. Filed May 11, 1923.

Carney's

Trade-mark consists of a facsimile of my signature.
Particular description of goods.—Nonalcoholic Maltless Vegetable Extract for Soft-Drink Purposes.
Claims use since May 7, 1923.

Ser. No. 180,474. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) LUIGI GUIDICI, Greensburg, Pa. Filed May 11, 1923.



The lining indicates shading.
Particular description of goods.—Cigarette Papers Prepared Ready for Use.
Claims use since May 15, 1922.

Ser. No. 180,527. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CONCENTRATED PRODUCTS CORPORATION, Carlstadt, N. J., and New York, N. Y. Filed May 12, 1923.

Hirondelle

Particular description of goods.—Laundry Soap.
Claims use since August, 1922.

Ser. No. 180,528. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CUMMINGS & JOHNSON, Salt Lake City, Utah. Filed May 12, 1923.

KING TUT

ANKH-AMEN



Particular description of goods.—Card Game.
Claims use since Apr. 8, 1923.

Ser. No. 180,659. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRANKENBERG, MORGAN & SINGLETON, New York, N. Y. Filed May 15, 1923.



The mark consists of a representation of a scene composed of oriental buildings with mosques, minarets, spires, and pinnacles, and the word "Cairokloth" running diagonally across the view. The letter "C" is in the form of a Turkish crescent with a star enclosed in the upper portion. In the lower right-hand corner is the monogram "F M & S." The whole is surrounded by a rectangular-shaped border.

Particular description of goods.—Woolen Cloth for Use in the Manufacture of Wearing Apparel.

Claims use since Mar. 1, 1923.

Ser. No. 180,714. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MINOT, HOOPER & Co., New York, N. Y. Filed May 16, 1923. Under ten-year proviso.



STANDARD DRILLING
MANUFACTURED BY
LYMAN MILLS.
HOLYOKE, MASS.
U.S.A.

No claim is made to the Chinese characters apart from the mark as shown, the said characters meaning literally "Very superior diagonal lines," the free translation of which would mean substantially "Very superior drilling."

Particular description of goods.—Cotton Drilling in the Piece.

Claims use since about Jan. 1, 1892.

312 O. G.—56

Ser. No. 180,721. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PARKER BROTHERS, Portland, Me., and Salem, Mass. Filed May 16, 1923.

CHOW-TONG

Particular description of goods.—Indoor Table Game Played with Cards and Domino-Shaped Blocks.

Claims use since Mar. 10, 1923.

Ser. No. 180,776. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SNAP-ON WRENCH COMPANY, Milwaukee, Wis. Filed May 17, 1923.

GRIPPER

Particular description of goods.—Screw Drivers.

Claims use since Apr. 17, 1923.

Ser. No. 180,862. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HAMILTON RUBBER MANUFACTURING COMPANY, Trenton, N. J. Filed May 19, 1923.



Particular description of goods.—Fruit-Jar Rubbers.

Claims use since March, 1921.

Ser. No. 180,901. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SNELL & ATHERTON, Inc., Brockton, Mass. Filed May 19, 1923.

CLIMAX

Particular description of goods.—Nippers.

Claims use since 1903.

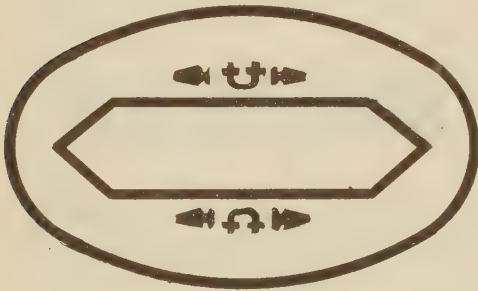
Ser. No. 180,933. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Filed May 21, 1923.

RUFFIAN

Particular description of goods.—Hose Composed of Rubber and Fabric.

Claims use since about Apr. 1, 1923.

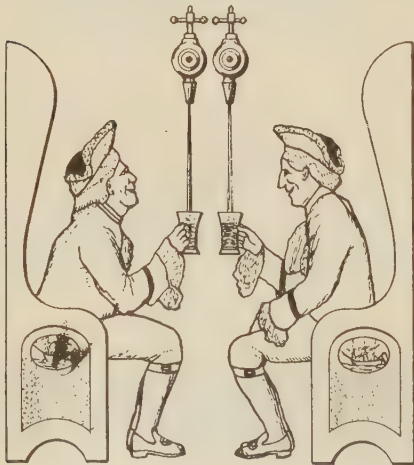
Ser. No. 180,934. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Filed May 21, 1923.



Particular description of goods.—Hose Composed of Rubber and Fabric.

Claims use since about Apr. 1, 1923.

Ser. No. 180,983. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE MURRAY COMPANY, Boston, Mass. Filed May 22, 1923.



Particular description of goods.—Nonalcoholic Maltless Sirups and Extracts for Beverage Purposes.

Claims use since about Jan. 1, 1905.

Ser. No. 181,010. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BLOCK-WALSH CORPORATION, New York, N. Y. Filed May 23, 1923.



Particular description of goods.—Table Board Game of Questions and Answers Played with an Angularly-Shiftable Piece Having the Questions Thereon.

Claims use since Mar. 30, 1923.

Ser. No. 181,059. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CANTON FORGE & AXLE COMPANY, Canton, Ohio. Filed May 24, 1923.



Particular description of goods.—Tools, and Particularly for Rail-Anchor Wrenches.

Claims use since about Mar. 1, 1922.

Ser. No. 181,092. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THOMAS A. ST. JOHN, doing business as The Blue Lion Patch Co., McDonough, Ga. Filed May 24, 1923.

BLUE LION

Particular description of goods.—Puncture Patches for Pneumatic Tires.

Claims use since on or about May 10, 1922.

Ser. No. 181,134. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE LUND, doing business as George Lund Company, New York, N. Y. Filed May 25, 1923.

SANDY

Particular description of goods.—Dolls and Animals Cut-Outs to be Filled with Sand.

Claims use since May 1, 1923.

Ser. No. 181,172. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. BOWMAN, Lanark, Ill. Filed May 26, 1923.



The trade-mark consists of a portrait of applicant.

Particular description of goods.—Preparation for Use in the Treatment of Hog Cholera and a Preparation for Use as a Vermifuge.

Claims use since June 16, 1916.

Ser. No. 181,174. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CERTAIN-TEED PRODUCTS CORPORATION, Baltimore, Md., and St. Louis, Mo. Filed May 26, 1923.

FLOORTEx

Trade-mark consists of the fanciful word "Floortex."

Particular description of goods.—Ready-Mixed Paints for Interior Surfaces.

Claims use since Sept. 12, 1915.

Ser. No. 181,398. (CLASS 33. GLASSWARE.) L. J. HOUZE CONVEX GLASS COMPANY, Point Marion, Pa. Filed May 31, 1923.

Chartreuse

Particular description of goods.—Sheet Glass.

Claims use since Sept. 13, 1922.

Ser. No. 181,447. (CLASS 15. OILS AND GREASES.) INDUSTRIAL OIL CO. INC., East Providence, R. I. Filed June 1, 1923.



No claim is made to the exclusive use of the word "Gasoline" apart from the mark as shown.

Particular description of goods.—Gasoline.

Claims use since May 18, 1923.

Ser. No. 181,547. (CLASS 15. OILS AND GREASES.) UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed June 4, 1923.

GEARITE

Trade-mark consists of the word "Gearite."

Particular description of goods.—Transmission Oils and Greases.

Claims use since Feb. 23, 1923.

Ser. No. 181,548. (CLASS 15. OILS AND GREASES.)
 UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
 Filed June 4, 1923.

GEARLUBE

Trade-mark consists of the word "Gearlube."

Particular description of goods.—Transmission Oils and Greases.

Claims use since Feb. 23, 1923.

Ser. No. 181,631. (CLASS 5. ADHESIVES.) THE
 CAMPBELL MANUFACTURING CO., Rochester, N. Y. Filed
 June 7, 1923.

Camp-bell

Particular description of goods.—Patching Paste.

Claims use since Jan. 4, 1923.

Ser. No. 181,700. (CLASS 5. ADHESIVES.) E. F.
 RUSS COMPANY, Boston, Mass. Filed June 8, 1923.



Particular description of goods.—Glue.

Claims use since on or about Apr. 23, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 31, 1923.

- 170,997. WRITING AND BOND PAPER. BECKER PAPER CORPORATION, New York, N. Y.
Filed March 29, 1923. Serial No. 178,209. PUBLISHED MAY 15, 1923.
- 170,998. REFRIGERATING APPARATUS. THE AUTOMATIC REFRIGERATING COMPANY, Hartford, Conn.
Filed March 19, 1923. Serial No. 177,644. PUBLISHED MAY 15, 1923.
- 170,999. CIGARETTES. EDWARD FUNKE, doing business as Near East Trading Co., New York, N. Y., assignor to Valley of the Kings Corporation, New York, N. Y., a Corporation of New York.
Filed March 16, 1923. Serial No. 177,554. PUBLISHED MAY 8, 1923.
- 171,000. CIGARETTES. EDWARD FUNKE, doing business as Near East Trading Co., New York, N. Y., assignor to Valley of the Kings Corporation, New York, N. Y., a Corporation of New York.
Filed March 16, 1923. Serial No. 177,553. PUBLISHED MAY 8, 1923.
- 171,001. WRAPPING PAPER. THE ALLING & CORY CO., Rochester, N. Y.
Filed March 9, 1923. Serial No. 177,158. PUBLISHED APRIL 24, 1923.
- 171,002. CRÊPE PAPER. THE TISSUE COMPANY, Saugerties, N. Y.
Filed March 8, 1923. Serial No. 177,150. PUBLISHED MAY 15, 1923.
- 171,003. FIGURE TOYS. WILLIAM FULD, Baltimore, Md.
Filed March 5, 1923. Serial No. 176,961. PUBLISHED MAY 15, 1923.
- 171,004. LEAD PENCILS. BLAISDELL PENCIL COMPANY, Philadelphia, Pa.
Filed March 5, 1923. Serial No. 176,943. PUBLISHED APRIL 24, 1923.
- 171,005. APPLE WRAPPERS. FRED C. STRYPE, New York, N. Y.
Filed March 3, 1923. Serial No. 176,924. PUBLISHED MAY 15, 1923.
- 171,006. LIGHTNING ARRESTERS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed March 2, 1923. Serial No. 176,864. PUBLISHED APRIL 24, 1923.
- 171,007. TOYS. TED MORTON & CO. INC., New York, N. Y.
Filed February 26, 1923. Serial No. 176,639. PUBLISHED MAY 15, 1923.
- 171,008. RADIO RECEIVING SETS. MARINETTE ELECTRIC CORPORATION, Marinette, Wis.
Filed February 26, 1923. Serial No. 176,634. PUBLISHED APRIL 24, 1923.
- 171,009. GRAY SHORTS. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo.
Filed September 2, 1922. Serial No. 169,029. PUBLISHED MARCH 20, 1923.
- 171,010. EDIBLE ROLLS. TRISTATE BAKING CO., Flint, Mich.
Filed September 5, 1922. Serial No. 169,103. PUBLISHED APRIL 3, 1923.
- 171,011. STOCK FEED. J. ALLEN SMITH & COMPANY, Knoxville, Tenn.
Filed September 5, 1922. Serial No. 169,089. PUBLISHED MARCH 27, 1923.
- 171,012. STOCK FEED. WHYTE COMMISSION COMPANY, Pine Bluff, Ark.
Filed September 5, 1922. Serial No. 169,108. PUBLISHED MARCH 27, 1923.
- 171,013. STOCK, DAIRY, AND POULTRY FEED. WHYTE COMMISSION COMPANY, Pine Bluff, Ark.
Filed September 5, 1922. Serial No. 169,109. PUBLISHED MARCH 20, 1923.
- 171,014. WHEAT FLOUR. BOLLING LYNN ROBERTSON, doing business as Manassas Feed & Milling Co., Manassas, Va.
Filed September 11, 1922. Serial No. 169,323. PUBLISHED APRIL 3, 1923.
- 171,015. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,386. PUBLISHED APRIL 3, 1923.
- 171,016. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,387. PUBLISHED MARCH 27, 1923.
- 171,017. BOND WRITING AND PRINTING PAPER. COLLINS MFG. CO., Holyoke, Mass.
Filed August 29, 1922. Serial No. 168,836. PUBLISHED MAY 15, 1923.
- 171,018. SOFT DRINK SIRUPS. VESS JONES, doing business as Whistle Company, New York, N. Y.
Filed July 22, 1922. Serial No. 167,247. PUBLISHED MAY 8, 1923.
- 171,019. ELECTRIC STOVES, HEATERS, SADIRONS, CURLING IRONS, TOASTERS, BROILERS, HOT PLATES, AND RADIATORS. A. J. LINDEMANN & HOVERSON COMPANY, Milwaukee, Wis.
Filed July 29, 1922. Serial No. 167,575. PUBLISHED APRIL 24, 1923.
- 171,020. COFFEE, CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, AND TABLE MOLASSES. POTTER-McCUNE COMPANY, McKeesport, Pa.
Filed August 1, 1922. Serial No. 167,687. PUBLISHED APRIL 3, 1923.
- 171,021. WHEAT FLOUR. NOBLESVILLE MILLING CO., Noblesville, Ind.
Filed August 7, 1922. Serial No. 167,885. PUBLISHED MARCH 20, 1923.
- 171,022. PREPARED DOUGHNUT MIXTURE. W & L BAKING COMPANY, Jackson, Mich.
Filed August 8, 1922. Serial No. 167,960. PUBLISHED MARCH 20, 1923.
- 171,023. CHEESE. CRAWFORD FARMS, INCORPORATED, Millbrook, N. Y.
Filed August 10, 1922. Serial No. 168,025. PUBLISHED APRIL 3, 1923.
- 171,024. CHEESE. CRAWFORD FARMS, INCORPORATED, Millbrook, N. Y.
Filed August 10, 1922. Serial No. 168,026. PUBLISHED MARCH 27, 1923.

- 171,025. CREAM CHEESE. ALBERT BRITTON, Myrtle Point, Oreg.
Filed August 11, 1922. Serial No. 168,097. PUBLISHED APRIL 3, 1923.
- 171,026. WHEAT FLOUR. RANDOLPH MILLING COMPANY, Baldwin, Ill.
Filed August 12, 1922. Serial No. 168,170. PUBLISHED APRIL 3, 1923.
- 171,027. BUTTER. SUNSHINE STORES, INC., San Francisco, Calif.
Filed August 19, 1922. Serial No. 168,498. PUBLISHED MARCH 20, 1923.
- 171,028. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed August 25, 1922. Serial No. 168,699. PUBLISHED APRIL 3, 1923.
- 171,029. PREPARED FEED FOR ANIMALS, COMPRISING FEED FOR POULTRY AND LIVE STOCK. ARCADE FARMS MILLING COMPANY, Chicago, Ill.
Filed March 18, 1922. Serial No. 160,847. PUBLISHED MARCH 27, 1923.
- 171,030. BARS AND INSULATED WIRE, CABLE, AND CORDAGE FOR ELECTRICAL PURPOSES. AMERICAN COPPER PRODUCTS CORPORATION, Elizabeth Port, N. J.
Filed March 15, 1922. Serial No. 160,685. PUBLISHED APRIL 24, 1923.
- 171,031. FEED FOR HORSES, CATTLE, HOGS, AND CHICKENS. MOUNTAIN CITY MILL COMPANY, Chattanooga, Tenn.
Filed March 9, 1922. Serial No. 160,419. PUBLISHED MARCH 27, 1923.
- 171,032. DAIRY AND CATTLE FEED. THE LAROWE MILLING COMPANY, Detroit, Mich.
Filed February 20, 1922. Serial No. 159,587. PUBLISHED APRIL 3, 1923.
- 171,033. WHEAT FLOUR. GRAHAM MILL & ELEVATOR Co., Graham, Tex.
Filed February 14, 1922. Serial No. 159,311. PUBLISHED MARCH 27, 1923.
- 171,034. PREPARED FLOUR CONTAINING WHEAT FLOUR, BRAN, SUGAR, AND SALT. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed February 9, 1922. Serial No. 159,081. PUBLISHED MARCH 27, 1923.
- 171,035. CERTAIN NAMED AUTO PRODUCTS. AUTO PRODUCTS MFG. Co. INC., Buffalo, N. Y.
Filed February 2, 1922. Serial No. 158,744. PUBLISHED MAY 8, 1923.
- 171,036. CERTAIN-NAMED PUBLICATIONS. NORTH-WESTERN TRUST & SAVINGS BANK, Chicago, Ill.
Filed August 18, 1921. Serial No. 151,922. PUBLISHED APRIL 10, 1923.
- 171,037. IGNITION-TIMING DEVICES FOR INTERNAL-COMBUSTION ENGINES. ECOMETER MANUFACTURING COMPANY, INC., Orange, N. J.
Filed July 30, 1921. Serial No. 151,151. PUBLISHED APRIL 24, 1923.
- 171,038. CIGARS, CHEROOTS, AND LITTLE CIGARS. LEOPOLD POWELL & Co., New York, N. Y.
Filed June 21, 1921. Serial No. 149,480. PUBLISHED MAY 15, 1923.
- 171,039. PHONOGRAPHS, COIN-OPERATED TALKING AND MUSICAL MACHINES, AND NEEDLES FOR PHONOGRAPHS AND THE LIKE. POLYPHONWERKE AKTIENGESSELLSCHAFT, Berlin, Germany
Filed April 1, 1921. Serial No. 145,583. PUBLISHED APRIL 24, 1923.
- 171,040. ELECTRIC HEADLIGHTS AND ELECTRIC FLOOD LIGHTS. BERKELEY LIGHT CORPORATION, San Francisco, Calif.
Filed September 23, 1920. Serial No. 137,513. PUBLISHED APRIL 24, 1923.
- 171,041. EGGS. C. W. JEAN COMPANY, Worthington, Ind.
Filed July 18, 1918. Serial No. 112,202. PUBLISHED MAY 8, 1923.
- 171,042. RADIO RECEIVING OUTFITS. DAVID GRIMES, doing business as Grimes Radio Engr. Co., New York, N. Y.
Filed January 16, 1923. Serial No. 174,657. PUBLISHED APRIL 24, 1923.
- 171,043. A GAME RACK. JOHN T. GAFFEY, doing business as Mah Juck Mfg. Co., San Pedro, Calif.
Filed January 19, 1923. Serial No. 174,770. PUBLISHED MAY 15, 1923.
- 171,044. RADIO RECEIVING SETS. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed January 20, 1923. Serial No. 174,859. PUBLISHED APRIL 24, 1923.
- 171,045. FOUNTAIN PENS AND PENCILS. M. & H. SILVER, INCORPORATED, Norfolk, Va.
Filed January 9, 1923. Serial No. 174,928. PUBLISHED MAY 15, 1923.
- 171,046. DOLLS. GEORGE BORGFELDT & Co., New York, N. Y.
Filed January 31, 1923. Serial No. 175,338. PUBLISHED MAY 15, 1923.
- 171,047. SOFT DRINKS. M. L. EISENBERG, doing business as Capital City Bottling Company, Montgomery, Ala.
Filed January 31, 1923. Serial No. 175,349. PUBLISHED MAY 15, 1923.
- 171,048. GINGER ALE. M. L. EISENBERG, doing business as Capital City Bottling Company, Montgomery, Ala.
Filed January 31, 1923. Serial No. 175,350. PUBLISHED MAY 15, 1923.
- 171,049. SOFT DRINKS. M. L. EISENBERG, doing business as Capital City Bottling Company, Montgomery, Ala.
Filed January 31, 1923. Serial No. 175,351. PUBLISHED MAY 15, 1923.
- 171,050. SOFT DRINKS. J. F. LAZIER MFG. Co., St. Louis, Mo.
Filed February 2, 1923. Serial No. 175,430. PUBLISHED MAY 8, 1923.
- 171,051. WRITING AND PRINTING PAPER AND MAILING ENVELOPES. AMERICAN WRITING PAPER COMPANY, Holyoke, Mass.
Filed February 5, 1923. Serial No. 175,540. PUBLISHED MAY 15, 1923.
- 171,052. COTTONSEED OIL. THE COOKNUT CORPORATION, Baltimore, Md.
Filed February 7, 1923. Serial No. 175,652. PUBLISHED MAY 15, 1923.
- 171,053. FIBER CONDUITS FOR ELECTRICAL PURPOSES. BROWN COMPANY, Portland, Me., and Berlin, N. H.
Filed February 8, 1923. Serial No. 175,709. PUBLISHED APRIL 24, 1923.
- 171,054. BROOMS. M. G. GOELLER'S SONS, Circleville, Ohio.
Filed February 10, 1923. Serial No. 175,861. PUBLISHED MAY 15, 1923.
- 171,055. ELECTRIC HAMMERS. NATIONAL ELECTRIC MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed February 10, 1923. Serial No. 175,881. PUBLISHED APRIL 24, 1923.
- 171,056. POWDER PUFFS. WESTERN BOTTLE MANUFACTURING COMPANY, Chicago, Ill.
Filed February 16, 1923. Serial No. 176,140. PUBLISHED MAY 15, 1923.
- 171,057. POWDER PUFFS AND BRUSHES. WESTERN BOTTLE MANUFACTURING COMPANY, Chicago, Ill.
Filed February 16, 1923. Serial No. 176,145. PUBLISHED MAY 15, 1923.

- 171,058. SOFT DRINK. WILLIAM D. BOST, Chicago, Ill.
Filed February 23, 1923. Serial No. 176,444. PUBLISHED MAY 15, 1923.
- 171,059. SOFT DRINK. COMET'S CALIFORNIA ORANGE DRINK Co., Los Angeles, Calif.
Filed February 23, 1923. Serial No. 176,452. PUBLISHED MAY 15, 1923.
- 171,060. PAINT BRUSHES. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed February 5, 1923. Serial No. 175,585. PUBLISHED MAY 15, 1923.
- 171,061. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, Inc., New York, N. Y.
Filed January 15, 1923. Serial No. 174,621. PUBLISHED APRIL 24, 1923.
- 171,062. CIGARS, ETC. VESS JONES, doing business as Whistle Company, New York, N. Y.
Filed July 22, 1922. Serial No. 167,245. PUBLISHED MAY 8, 1923.
- 171,063. CHOCOLATE MIXTURE FOR ICE CREAM AND FOR CAKE ICING. HERSHEY CHOCOLATE COMPANY, Hershey, Pa.
Filed July 3, 1922. Serial No. 166,453. PUBLISHED FEBRUARY 20, 1923.
- 171,064. BREAD AND CRACKERS. POTTER-WRIGHT-INGTON, Inc., Boston, Mass.
Filed May 20, 1922. Serial No. 164,186. PUBLISHED MARCH 27, 1923.
- 171,065. A VEGETABLE SEASONING IN POWDERED FORM USED IN THE PREPARATION OF OTHER FOODS. CERTIFIED FOODS, Inc., Westfield, Mass.
Filed May 16, 1922. Serial No. 163,918. PUBLISHED APRIL 3, 1923.
- 171,066. UMBRELLAS. KORTENBACH & RAUH, Weyer, Germany.
Filed April 19, 1922. Serial No. 162,557. PUBLISHED MAY 8, 1923.
- 171,067. BREAD. JAMES BUTLER INC., New York, N. Y.
Filed April 13, 1922. Serial No. 162,240. PUBLISHED MARCH 27, 1923.
- 171,068. RADIO TELEPHONE AND TELEGRAPHIC INSTRUMENTS AND PARTS THEREOF. UNION RADIO CORPORATION, New York, N. Y.
Filed April 7, 1922. Serial No. 162,091. PUBLISHED APRIL 24, 1923.
- 171,069. CLOTHES-SUPPORTING RACKS. FRANCIS W. HENNESSY, Providence, R. I.
Filed December 2, 1922. Serial No. 172,836. PUBLISHED APRIL 24, 1923.
- 171,070. ELECTRIC LIGHTS FOR AUTOMOBILES AND OTHER VEHICLES AND PARTS THEREOF. RADIO-LITE, Inc., Boston, Mass.
Filed November 22, 1922. Serial No. 172,394. PUBLISHED APRIL 24, 1923.
- 171,071. FRESH APPLES. W. A. BOLINGER, doing business as Bolinger Orchards, Methow, Wash.
Filed November 13, 1922. Serial No. 171,896. PUBLISHED MAY 8, 1923.
- 171,072. SOAPS, PASTES, POWDERS, AND LIQUIDS FOR CLEANING METAL, WOOD, LEATHER, AND CLOTHING. DEVOTO Y CAUCHANER, Buenos Aires, Argentina.
Filed November 8, 1922. Serial No. 171,729. PUBLISHED APRIL 3, 1923.
- 171,073. KNIFE SWITCHES, PANEL BOARDS, SWITCHBOARDS, AND FUSE REDUCERS. THE PLAINVILLE ELECTRICAL PRODUCTS COMPANY, Plainville, Conn.
Filed October 31, 1922. Serial No. 171,432. PUBLISHED APRIL 24, 1923.
- 171,074. CARBON PAPER AND TYPEWRITER AND MULTIGRAPH RIBBONS. WALTER J. JOHNSON, Columbus, Ohio.
Filed October 26, 1922. Serial No. 171,221. PUBLISHED APRIL 24, 1923.
- 171,075. MANGLES. SPERLICH AND UHLIG COMPANY, Detroit, Mich.
Filed October 2, 1922. Serial No. 170,222. PUBLISHED APRIL 24, 1923.
- 171,076. CHEESE. T. L. KNAPSTEIN, Appleton, Wis.
Filed September 29, 1922. Serial No. 170,071. PUBLISHED MARCH 27, 1923.
- 171,077. FOOD CONSISTING OF ROLLS, CONTAINING CHOPPED MEATS, FISH, MINCEMEAT, CHEESE, JELLY, CHOCOLATE, BERRIES, OR FRUITS. THE NEVER ENOUGH PIE COMPANY, Bridgeport, Conn.
Filed September 21, 1922. Serial No. 169,769. PUBLISHED APRIL 3, 1923.
- 171,078. CHEESE, SPICES, FARINA, CANNED FISH, TEA, COFFEE, CHOCOLATE, MILK, RICE, RAISINS, PRUNES, MARMALADE, ALMONDS, WALNUTS. ISRAEL GELTMAN, New York, N. Y.
Filed September 21, 1922. Serial No. 169,751. PUBLISHED APRIL 3, 1923.
- 171,079. CIGARS. MAX STERN, Charleroi, Pa.
Filed September 15, 1922. Serial No. 169,516. PUBLISHED MAY 8, 1923.
- 171,080. DOLLS AND TOY FAVORS. SAMUEL ROBERT, doing business as Konroe Merchants, New York, N. Y.
Filed December 12, 1922. Serial No. 173,247. PUBLISHED MAY 15, 1923.
- 171,081. CLOTHES-WASHING MACHINES. AMERICAN RANGE & FOUNDRY COMPANY, Minneapolis, Minn.
Filed December 19, 1922. Serial No. 173,552. PUBLISHED APRIL 24, 1923.
- 171,082. CERTAIN NAMED ABRASIVE PAPERS AND CLOTHS. H. H. BARTON AND SON CO. INC., Philadelphia, Pa.
Filed December 18, 1922. Serial No. 173,461. PUBLISHED APRIL 24, 1923.
- 171,083. FISHING FLIES AND ARTIFICIAL BAIT. HORROCKS-IBBOTSON Co., Utica, N. Y.
Filed December 20, 1922. Serial No. 173,601. PUBLISHED MAY 15, 1923.
- 171,084. ELECTRICAL CONTROL APPARATUS—NAMESLY, AUTOMATIC SWITCHES, CURRENT CONTROLLERS; AND RADIO APPARATUS—NAMESLY, VARIOMETERS, VARIOCOUPLERS, LATTICE COILS, RECEIVING SETS. DALTON, WHITTIER, TRUE COMPANY, Chicago, Ill.
Filed December 30, 1922. Serial No. 174,201. PUBLISHED APRIL 24, 1923.
- 171,085. ELECTRIC SADIRONS. JORDAN MARSH COMPANY, Boston, Mass.
Filed December 27, 1922. Serial No. 173,890. PUBLISHED APRIL 24, 1923.
- 171,086. TREATED AND UNTREATED TAPES FOR ELECTRICAL INSULATION PURPOSES. MICA INSULATOR COMPANY, New York, N. Y.
Filed December 26, 1922. Serial No. 173,844. PUBLISHED APRIL 24, 1923.
- 171,087. LAUNDRY WASHING MACHINES AND WRINGERS. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed January 5, 1923. Serial No. 174,211. PUBLISHED APRIL 24, 1923.
- 171,088. SOFT DRINKS. WILLIAM E. TANNER, Brunswick, Me.
Filed January 11, 1923. Serial No. 174,495. PUBLISHED MAY 15, 1923.

- 171,089. CONFECTIONS COMPRISING CHOCOLATES, BONBONS, HARD CANDIES, JORDAN ALMONDS, AND JELLIES. ROACH TISDALE & Co., Minneapolis, Minn.
Filed December 18, 1922. Serial No. 173,534. PUBLISHED APRIL 24, 1923.
- 171,090. SHEET-METAL CHAINS. THE SMITH & EGGE MAN'G. Co., Bridgeport, Conn.
Filed December 16, 1922. Serial No. 173,447. PUBLISHED APRIL 24, 1923.
- 171,091. INSECTICIDE AND GERMICIDE. CAN-HO-LAB. CHEMICAL Co., New Orleans, La.
Filed December 16, 1922. Serial No. 173,401. PUBLISHED APRIL 24, 1923.
- 171,092. FURNITURE AND AUTOMOBILE POLISHES WITH INCIDENTAL PROPERTIES AS METAL POLISHES. PHILIP S. BERN, doing business as Philsbern Products Co., New York, N. Y.
Filed January 12, 1923. Serial No. 174,505. PUBLISHED MAY 15, 1923.
- 171,093. PREPARATIONS FOR THE TREATMENT OF PILES. LUISE WODICKSA, doing business as Ex Pilo Manufacturing Company, New York, N. Y.
Filed December 20, 1922. Serial No. 173,616. PUBLISHED MAY 8, 1923.
- 171,094. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed December 21, 1922. Serial No. 173,663. PUBLISHED MAY 1, 1923.
- 171,095. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed December 21, 1922. Serial No. 173,668. PUBLISHED MAY 1, 1923.
- 171,096. TOILET SOAP AND SHAVING POWDER TO BE USED IN PLACE OF SHAVING SOAP. KARLSRUHER PARFÜMERIE- & TOILETTESEIFEN-FABRIK, F. WOLFF & SOHN, GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Karlsruhe, Germany.
Filed December 22, 1922. Serial No. 173,710. PUBLISHED APRIL 24, 1923.
- 171,097. GOLF BALLS AND FOOTBALLS. MARTINS BIRMINGHAM LIMITED, Birmingham, England.
Filed December 29, 1922. Serial No. 173,972. PUBLISHED MAY 1, 1923.
- 171,098. SOFT DRINKS. GARRETT AND CO. INC., Brooklyn, N. Y.
Filed January 2, 1923. Serial No. 174,077. PUBLISHED MAY 1, 1923.
- 171,099. PICKLES AND CONDIMENTS—NAMELY, SOUR PICKLES, SWEET PICKLES, DILL PICKLES, CHOWCHOW, SWEET RELISH, HOT RELISH, PEPPER SAUCE, AND SALAD MUSTARD. PRICE-BOOKER MANUFACTURING COMPANY, Waco and Houston, Tex.
Filed January 2, 1923. Serial No. 174,100. PUBLISHED MAY 8, 1923.
- 171,100. PERFUME, TOILET WATER, ROUGES, FACE POWDER, TALCUM POWDER, BRILLIANTINE, SACHET POWDER, AND DENTIFRICES. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York.
Filed January 4, 1923. Serial No. 174,169. PUBLISHED APRIL 24, 1923.
- 171,101. CANNED FRUITS, CANNED VEGETABLES. F. M. BALL & COMPANY, San Francisco, Calif.
Filed January 6, 1923. Serial No. 174,229. PUBLISHED MAY 15, 1923.
- 171,102. SALAD DRESSING. CHARLES WEISBECKER, New York, N. Y.
Filed January 8, 1923. Serial No. 174,349. PUBLISHED MAY 8, 1923.
- 171,103. GAMING DEVICES. JOSEPH H. EWING, doing business as Diamond Manufacturing Company, Malta, Ohio.
Filed January 9, 1923. Serial No. 174,360. PUBLISHED MAY 1, 1923.
- 171,104. FRESH APPLES. ALAGA & FORENCICH Co., Watsonville, Calif.
Filed January 11, 1923. Serial No. 174,422. PUBLISHED MAY 8, 1923.
- 171,105. WHOLE-MILK POWDER. MERRELL-SOULE COMPANY, Syracuse, N. Y.
Filed January 11, 1923. Serial No. 174,474. PUBLISHED MAY 8, 1923.
- 171,106. SOFT DRINKS. RICHMOND G. STOEHR, doing business as Santa Clara Company, Boston, Mass.
Filed January 11, 1923. Serial No. 174,491. PUBLISHED MAY 1, 1923.
- 171,107. HINGES. WAY WORKS, INCORPORATED, Philadelphia, Pa.
Filed January 12, 1923. Serial No. 174,549. PUBLISHED APRIL 24, 1923.
- 171,108. GEAR SHIFTS AND PARTS THEREOF FOR MOTOR VEHICLES. JOHN ROGERS FLANNERY, Pittsburgh, Pa.
Filed January 13, 1923. Serial No. 174,566. PUBLISHED APRIL 24, 1923.
- 171,109. BOOK PAPER, COATED AND UNCOATED, BOND PAPER, AND WRITING PAPER. THE CHILLICOTHE PAPER COMPANY, Chillicothe, Ohio.
Filed January 15, 1923. Serial No. 174,610. PUBLISHED APRIL 24, 1923.
- 171,110. CANNED FRUITS AND VEGETABLES. HAAS BROTHERS, San Francisco, Calif.
Filed January 17, 1923. Serial No. 174,694. PUBLISHED MAY 8, 1923.
- 171,111. CANDIES. MARY M. HARDY & FLORENCE H. BAIRD, South Orange, N. J.
Filed January 18, 1923. Serial No. 174,737. PUBLISHED MAY 8, 1923.
- 171,112. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed January 18, 1923. Serial No. 174,747. PUBLISHED MAY 1, 1923.
- 171,113. DRESSED POULTRY. THE SEYMOUR PACKING COMPANY, Topeka, Kans.
Filed January 22, 1923. Serial No. 174,925. PUBLISHED MAY 8, 1923.
- 171,114. RATTLES. IRVING J. HALPERN, doing business as Noise Making Devices Company, New York, N. Y.
Filed January 23, 1923. Serial No. 174,961. PUBLISHED MAY 1, 1923.
- 171,115. CHINAWARE. THE MAYER CHINA COMPANY, Beaver Falls, Pa.
Filed January 24, 1923. Serial No. 175,017. PUBLISHED MAY 8, 1923.
- 171,116. SPINNING TOPS. SIPP NOVELTY CO. INC., New York, N. Y.
Filed January 24, 1923. Serial No. 175,029. PUBLISHED MAY 1, 1923.
- 171,117. MOTOR OIL. HENRY H. CROSS COMPANY, Chicago, Ill.
Filed January 27, 1923. Serial No. 175,189. PUBLISHED MAY 1, 1923.
- 171,118. OILCLOTH. T. R. GOODLATTE & SONS, (INC.), Clifton, N. J.
Filed January 27, 1923. Serial No. 175,193. PUBLISHED APRIL 24, 1923.
- 171,119. ELECTRIC MOTORS, GENERATORS, AND TRANSFORMERS. CHARLOTTE ELECTRIC REPAIR Co., INC., Charlotte, N. C.
Filed January 30, 1923. Serial No. 175,300. PUBLISHED APRIL 24, 1923.

- 171,120. ICE SKATES. AMERICAN SPORT SHOP, INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,453. PUBLISHED APRIL 24, 1923.
- 171,121. FISHLINES. BEVIN-WLICOX LINE COMPANY, East Hampton, Conn.
Filed February 6, 1923. Serial No. 175,595. PUBLISHED APRIL 24, 1923.
- 171,122. DOLLS. LUCILLE B. KELLEY, doing business as Jimmy Boy Doll Co., Sidney, Ohio.
Filed February 7, 1923. Serial No. 175,660. PUBLISHED APRIL 24, 1923.
- 171,123. CANDY. A. G. MORSE CO., INC., Chicago, Ill.
Filed February 7, 1923. Serial No. 175,674. PUBLISHED MAY 15, 1923.
- 171,124. CANNED SALMON. MAX PRINUS, doing business as John Price & Co., Philadelphia, Pa.
Filed February 8, 1923. Serial No. 175,735. PUBLISHED MAY 15, 1923.
- 171,125. CHOCOLATE CANDIES KNOWN IN THE TRADE AS CHOCOLATES. PARNIBECK CHOCOLATE CO., INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,515. PUBLISHED MAY 15, 1923.
- 171,126. CANNED AND BOTTLED FRUITS, JAMS, JELLIES, AND OLIVES. VIRDEN PACKING COMPANY, San Francisco, Calif.
Filed February 5, 1923. Serial No. 175,581. PUBLISHED MAY 15, 1923.
- 171,127. VEGETABLE LARD SUBSTITUTE. THE COOKNUT CORPORATION, Baltimore, Md.
Filed February 7, 1923. Serial No. 175,651. PUBLISHED MAY 15, 1923.
- 171,128. CANDY. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis.
Filed February 7, 1923. Serial No. 175,659. PUBLISHED MAY 15, 1923.
- 171,129. SUGAR-COATED RAISINS IN PACKAGES. HERSCHEY CHOCOLATE COMPANY OF NEW YORK, INC., New York, N. Y.
Filed February 2, 1922. Serial No. 158,774. PUBLISHED APRIL 17, 1923.
- 171,130. BOYS' SAILOR SUITS. ALEXANDER LINSK & COMPANY, Philadelphia, Pa., assignor to H. J. Max-min, Philadelphia, Pa.
Filed February 10, 1922. Serial No. 159,157. PUBLISHED MAY 8, 1923.
- 171,131. NECKBANDS FOR MEN'S SHIRTS. CHARLES W. LIFSCHITZ, New York, N. Y.
Filed February 16, 1922. Serial No. 159,400. PUBLISHED MAY 8, 1923.
- 171,132. HAIR NETS. ALBERT A. JULIN, Chicago, Ill.
Filed February 18, 1922. Serial No. 159,509. PUBLISHED MAY 1, 1923.
- 171,133. CAPS FOR MEN, BOYS, AND CHILDREN. NATIONAL CAP MFG. COMPANY, Louisville, Ky.
Filed February 18, 1922. Serial No. 159,522. PUBLISHED MAY 1, 1923.
- 171,134. HATS FOR MEN AND BOYS. BUNNIE HAT CO. INC., Reading, Pa.
Filed February 20, 1922. Serial No. 159,552. PUBLISHED MAY 8, 1923.
- 171,135. DAIRY AND CATTLE FEED. THE LARROWE MILLING COMPANY, Detroit, Mich.
Filed February 20, 1922. Serial No. 159,588. PUBLISHED APRIL 3, 1923.
- 171,136. DAIRY AND CATTLE FEED. THE LARROWE MILLING COMPANY, Detroit, Mich.
Filed February 20, 1922. Serial No. 159,589. PUBLISHED APRIL 3, 1923.
- 171,137. SOFT DRINK. WILL H. GUNCKEL, Toledo, Ohio.
Filed February 23, 1922. Serial No. 159,700. PUBLISHED MAY 1, 1923.
- 171,138. LADIES' SPORT SUITS AND COATS. PARKER-BRIDGET COMPANY, Washington, D. C.
Filed February 23, 1922. Serial No. 159,720. PUBLISHED MAY 1, 1923.
- 171,139. MISCELLANEOUS GROCERIES. STEELE-WEDELES COMPANY, Chicago, Ill.
Filed February 27, 1922. Serial No. 159,889. PUBLISHED MARCH 20, 1923.
- 171,140. MALT SIRUP. AMERICAN BURTONIZING COMPANY AND WALLERSTEIN LABORATORIES, New York, N. Y.
Filed March 4, 1922. Serial No. 160,178. PUBLISHED MAY 1, 1923.
- 171,141. CAKE. DIAMOND CAKE COMPANY, Philadelphia, Pa.
Filed March 6, 1922. Serial No. 160,239. PUBLISHED MARCH 27, 1923.
- 171,142. ARTIFICIAL PEARLS. MAX A. ZOLLA, Chicago, Ill.
Filed March 8, 1922. Serial No. 160,378. PUBLISHED APRIL 24, 1923.
- 171,143. WALL PAPER. THE ROBERT GRIFFIN COMPANY, Jersey City, N. J.
Filed March 25, 1922. Serial No. 161,250. PUBLISHED MAY 1, 1923.
- 171,144. CONFECTION—NAMELY, ICE CREAM INCLOSED IN PASTRY. GEORGE H. GARNET, doing business as The George H. Garnet Company, Allentown, Pa.
Filed March 25, 1922. Serial No. 161,251. PUBLISHED APRIL 17, 1923.
- 171,145. SUGAR. TATE & LYLE LIMITED, London, England.
Filed April 3, 1922. Serial No. 161,707. PUBLISHED MAY 15, 1923.
- 171,146. ENVELOPES. KOVACS AND MESZAROS, Denbo, Pa.
Filed April 12, 1922. Serial No. 162,179. PUBLISHED MAY 1, 1923.
- 171,147. CANDY. WALTER J. HIRSCH COMPANY, Chicago, Ill.
Filed April 19, 1922. Serial No. 162,547. PUBLISHED MAY 15, 1923.
- 171,148. UMBRELLAS. KORTENBACH & RAUH, Weyer, Germany.
Filed April 19, 1922. Serial No. 162,556. PUBLISHED MAY 1, 1923.
- 171,149. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed February 8, 1923. Serial No. 175,750. PUBLISHED MAY 1, 1923.
- 171,150. CHILDREN'S SLEDS. SAFETY SLED COMPANY, INC., Mount Jewett, Pa.
Filed February 12, 1923. Serial No. 175,949. PUBLISHED APRIL 24, 1923.
- 171,151. TOY COASTERS. THE H. E. M. MFG. CO., Hamilton, Ohio.
Filed February 14, 1923. Serial No. 176,023. PUBLISHED APRIL 24, 1923.
- 171,152. GOLF BAGS. THE WINCHESTER COMPANY, New Haven, Conn.
Filed February 14, 1923. Serial No. 176,055. PUBLISHED APRIL 24, 1923.
- 171,153. GOLF CLUBS. BRAW LADDIE GOLF COMPANY, Oakland, Calif.
Filed February 15, 1923. Serial No. 176,062. PUBLISHED APRIL 24, 1923.
- 171,154. PENS. C. HOWARD HUNT PEN COMPANY, Camden, N. J.
Filed February 16, 1923. Serial No. 176,128. PUBLISHED MAY 1, 1923.

- 171,155. SOFT DRINK. CALIFORNIA CITRUS FRUIT JUICE COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed February 17, 1923. Serial No. 176,163. PUBLISHED MAY 1, 1923.
- 171,156. CIGARETTES. WESTERN TOBACCO COMPANY, Inc., New York, N. Y.
Filed February 17, 1923. Serial No. 176,236. PUBLISHED APRIL 24, 1923.
- 171,157. GRAPE BEVERAGE. THE NU GRAPE COMPANY OF AMERICA, Atlanta, Ga.
Filed February 19, 1923. Serial No. 176,276. PUBLISHED MAY 1, 1923.
- 171,158. PARIS WHITE. THE TAINTOR COMPANY, New York, N. Y.
Filed February 19, 1923. Serial No. 176,314. PUBLISHED MAY 1, 1923.
- 171,159. MEMORANDUM-PAPER HOLDER. BLISS COMPANY, Inc., New York, N. Y.
Filed February 20, 1923. Serial No. 176,321. PUBLISHED MAY 1, 1923.
- 171,160. TAGS. DENNISON MANUFACTURING Co., Framingham, Mass.
Filed February 20, 1923. Serial No. 176,330. PUBLISHED MAY 1, 1923.
- 171,161. COMPOUND OF VEGETABLE GUMS AND SUGARS DESIGNED FOR USE AS AN INGREDIENT OF ICE CREAM TO IMPROVE THE BODY OF THE PRODUCT. THE LIQUID CARBONIC COMPANY, Chicago, Ill.
Filed February 23, 1923. Serial No. 176,485. PUBLISHED MAY 22, 1923.
- 171,162. HAIR NETS. FULGHUM & COMPANY, Los Angeles, Calif.
Filed February 26, 1923. Serial No. 176,613. PUBLISHED MAY 1, 1923.
- 171,163. GOLF DEVICE. ARNOLD W. MILLER, doing business as Golf Progress Company, Columbus, Ohio.
Filed February 26, 1923. Serial No. 176,637. PUBLISHED APRIL 24, 1923.
- 171,164. COFFEE AND TEA. THE EAGLE TEA & COFFEE COMPANY, Inc., New York, N. Y.
Filed February 27, 1923. Serial No. 176,672. PUBLISHED MAY 22, 1923.
- 171,165. READY-MIXED PAINT FOR PLASTERED WALLS, BRICK OR CONCRETE SURFACES, WOOD AND METAL TRIM. A. C. HORN COMPANY, New York, N. Y.
Filed February 28, 1923. Serial No. 176,738. PUBLISHED MAY 1, 1923.
- 171,166. POLISHES FOR AUTOMOBILES AND FURNITURE. LAWRENCE E. BROUGHER, McFarland, Calif.
Filed March 1, 1923. Serial No. 176,781. PUBLISHED APRIL 24, 1923.
- 171,167. PAPER AND STATIONERY—NAMELY, WRITING PAPER OF VARIOUS KINDS AND SIZES AND ENVELOPES PACKED IN CARDBOARD BOXES. BERLIN & JONES COMPANY, Inc., New York, N. Y.
Filed March 1, 1923. Serial No. 176,783. PUBLISHED MAY 8, 1923.
- 171,168. CANDY. THE OHIO CONFECTION COMPANY, Cleveland, Ohio.
Filed February 10, 1923. Serial No. 175,883. PUBLISHED MAY 15, 1923.
- 171,169. MACARONI, SPAGHETTI, READY-CUT MACARONI, READY-CUT SPAGHETTI, MACARONI SHELLS, VERMICELLI, EGG NOODLES, MACARONI SOUP, AND ALIMENTARY PASTES. KANSAS CITY MACARONI & IMPORTING Co., doing business as the Abbreviated Kansas City Macaroni Co., Kansas City, Mo.
Filed October 28, 1922. Serial No. 171,325. PUBLISHED MAY 1, 1923.
- 171,170. CANNED PEACHES, CANNED TOMATOES, AND CANNED SWEET POTATOES. AMERICAN CONE AND PRETZEL COMPANY, doing business as Continental Packing Corporation, Philadelphia, Pa.
Filed October 31, 1922. Serial No. 171,397. PUBLISHED MAY 1, 1923.
- 171,171. CANNED BEANS, CANNED TOMATOES, CANNED SWEET POTATOES, CANNED PEACHES, CHILI SAUCE PUT UP IN CONTAINERS, AND CATCHUP PUT UP IN CONTAINERS. AMERICAN CONE AND PRETZEL COMPANY, doing business as Continental Packing Corporation, Philadelphia, Pa.
Filed October 31, 1922. Serial No. 171,398. PUBLISHED MAY 1, 1923.
- 171,172. CANNED PEACHES, CANNED LIMA BEANS, CANNED BEANS, CANNED TOMATOES, AND CANNED SWEET POTATOES. AMERICAN CONE AND PRETZEL COMPANY, doing business as Continental Packing Corporation, Philadelphia, Pa.
Filed October 31, 1922. Serial No. 171,400. PUBLISHED MAY 8, 1923.
- 171,173. CANDY. CACTUS CRYSTAL COMPANY, Dover, Del., and Fort Worth, Tex.
Filed November 1, 1922. Serial No. 171,450. PUBLISHED MARCH 27, 1923.
- 171,174. SPORTING GOODS. CHARLES M. GHRISKEY'S Sons, Philadelphia, Pa.
Filed November 1, 1922. Serial No. 171,456. PUBLISHED MAY 1, 1923.
- 171,175. ICE-CREAM CONFECTIONS. SQUARE DIPPER SPECIALTY COMPANY, Pittsburgh, Pa.
Filed November 1, 1922. Serial No. 171,474. PUBLISHED MARCH 27, 1923.
- 171,176. EDIBLE CORN OIL. CORN PRODUCTS REFINING Co., New York, N. Y.
Filed November 2, 1922. Serial No. 171,487. PUBLISHED MAY 1, 1923.
- 171,177. COFFEE. THE LAIRD MANUFACTURING Co., Inc., Richmond, Va.
Filed November 4, 1922. Serial No. 171,581. PUBLISHED MAY 8, 1923.
- 171,178. BOND PAPER. THE PEERLESS PAPER COMPANY, Dayton, Ohio.
Filed November 6, 1922. Serial No. 171,653. PUBLISHED MAY 8, 1923.
- 171,179. SLIDING CASTERS. INTERNATIONAL SUPPLY COMPANY, Boston, Mass.
Filed November 7, 1922. Serial No. 171,697. PUBLISHED APRIL 24, 1923.
- 171,180. CANDY. CHOCOLATE PRODUCTS COMPANY, Baltimore, Md.
Filed November 7, 1922. Serial No. 171,686. PUBLISHED MAY 1, 1923.
- 171,181. CANDY BAR. MILLER-MCMILLEN Co., Watertown, S. Dak.
Filed November 18, 1922. Serial No. 172,235. PUBLISHED MAY 8, 1923.
- 171,182. VEGETABLE RELISHES. GILBERT J. EASTON, Newark, N. J.
Filed November 17, 1922. Serial No. 172,149. PUBLISHED MAY 8, 1923.
- 171,183. CARBON PAPER AND TYPEWRITER RIBBONS. THE BUCKEYE RIBBON & CARBON Co., Cleveland, Ohio.
Filed November 16, 1922. Serial No. 172,080. PUBLISHED APRIL 24, 1923.
- 171,184. CANNED FRUITS, CANNED FRUIT SALAD, CANNED VEGETABLES, AND DRIED FRUIT. F. G. WOOL PACKING COMPANY, San Jose, Calif.
Filed November 15, 1922. Serial No. 172,071. PUBLISHED MAY 1, 1923.
- 171,185. TEA. C & T IMPORTING COMPANY, San Francisco, Calif.
Filed November 14, 1922. Serial No. 171,984. PUBLISHED MAY 15, 1923.

- 171,186. FRESH DECIDUOUS AND CITROUS FRUITS, FRESH VEGETABLES, CANNED FRUITS, CANNED VEGETABLES, AND FRUIT JAM. PLEASANT GROVE CANNING CO., Pleasant Grove, Utah.
Filed November 13, 1922. Serial No. 171,952. PUBLISHED MAY 1, 1923.
- 171,187. CANNED FRUITS AND VEGETABLES. McHENRY CANNERY, Modesto, Calif.
Filed November 13, 1922. Serial No. 171,937. PUBLISHED MAY 1, 1923.
- 171,188. CANDY AND CONFECTIONS. EARL MCKNIGHT, Pittsburgh, Pa.
Filed November 9, 1922. Serial No. 171,761. PUBLISHED MAY 1, 1923.
- 171,189. COTTON PIECE GOODS. GREAT FALLS MANUFACTURING COMPANY, Somersworth, N. H.
Filed December 31, 1921. Serial No. 157,367. PUBLISHED APRIL 3, 1923.
- 171,190. CHILDREN'S ROMPERS AND ONE-PIECE PLAY GARMENTS. THE KAYNEE COMPANY, Cleveland, Ohio.
Filed December 18, 1919. Serial No. 126,221. PUBLISHED MAY 1, 1923.
- 171,191. OVERALLS. THE KAYNEE COMPANY, Cleveland, Ohio.
Filed December 18, 1919. Serial No. 126,222. PUBLISHED MAY 1, 1923.
- 171,192. BASEBALL CAPS, BATHING CAPS, COLLEGE CAPS, JERSEY CAPS, MEN'S SPORT CLOTHES, LADIES' SPORT CLOTHES. P. GOLDSMITH'S SONS, Cincinnati, Ohio.
Filed November 8, 1920. Serial No. 139,353. PUBLISHED MAY 8, 1923.
- 171,193. FOOD PREPARATION CONTAINING EXTRACT OF MEAT AND OTHER INGREDIENTS, IN LIQUID AND TABLET FORM. COLEMAN AND COMPANY LIMITED, Norwich, England.
Filed December 11, 1920. Serial No. 140,919. PUBLISHED MAY 8, 1923.
- 171,194. SPICES. AMERICAN TEA & COFFEE CO., INC., Nashville, Tenn.
Filed December 23, 1920. Serial No. 141,447. PUBLISHED MAY 15, 1923.
- 171,195. TYPEWRITER RIBBONS. BLACKBIRD FACTORIES, INC., Los Angeles, Calif.
Filed April 29, 1921. Serial No. 146,950. PUBLISHED APRIL 24, 1923.
- 171,196. WORK SHIRTS, DRESS SHIRTS, NEGLIGEE SHIRTS, AND FLANNEL SHIRTS. THE S & S SHIRT COMPANY, Philipsburg, Pa.
Filed May 4, 1921. Serial No. 147,217. PUBLISHED MAY 1, 1923.
- 171,197. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Honolulu, Territory of Hawaii.
Filed May 9, 1921. Serial No. 147,426. PUBLISHED MAY 8, 1923.
- 171,198. LADIES' SILK UNDERWEAR. VANITY FAIR SILK MILLS, Reading, Pa.
Filed May 12, 1921. Serial No. 147,649. PUBLISHED MAY 8, 1923.
- 171,199. HOSIERY. TOEWEAR HOSIERY INCORPORATED, Norristown, Pa.
Filed June 6, 1921. Serial No. 148,774. PUBLISHED MAY 8, 1923.
- 171,200. OLIVE OIL AND SALAD OIL. STROHMMEYER & ARPE COMPANY, New York, N. Y.
Filed August 1, 1921. Serial No. 151,237. PUBLISHED MAY 1, 1923.
- 171,201. KNITTED CAPS. THE BAMBERGER REINTHAL CO., Cleveland, Ohio.
Filed August 17, 1921. Serial No. 151,864. PUBLISHED MAY 8, 1923.
- 171,202. MEN'S AND BOYS' SUITS AND OVERCOATS. THE FAIR, Chicago, Ill.
Filed August 24, 1921. Serial No. 152,124. PUBLISHED MAY 1, 1923.
- 171,203. DRY CLEANER. DAVIS CHEMICAL COMPANY, Toledo, Ohio.
Filed September 12, 1921. Serial No. 152,834. PUBLISHED APRIL 24, 1923.
- 171,204. MANUFACTURED CANDY WITH NUTS INTO A "NUT BAR." THE WILTON-PLANTZ CANDY COMPANY, Valdosta, Ga.
Filed October 24, 1921. Serial No. 154,540. PUBLISHED MAY 1, 1923.
- 171,205. PRUNES. JAMES A. WAYBORN, doing business as Jameway Co., Brooklyn, N. Y.
Filed October 26, 1921. Serial No. 154,631. PUBLISHED MAY 15, 1923.
- 171,206. CANNED EVAPORATED MILK. CARL A. BAUMANN, doing business as Lake Mills Milk Company, Jefferson, Wis.
Filed November 21, 1921. Serial No. 155,662. PUBLISHED MAY 8, 1923.
- 171,207. HATS FOR MEN, WOMEN, AND CHILDREN. THE MALLORY HAT COMPANY, Danbury, Conn.
Filed December 13, 1920. Serial No. 156,653. PUBLISHED MAY 8, 1923.
- 171,208. UNBLEACHED SHEETINGS AND DRILLS. ROBERT A. SUFFERN, New York, N. Y.
Filed December 24, 1921. Serial No. 157,109. PUBLISHED APRIL 17, 1923.
- 171,209. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,511. PUBLISHED MAY 15, 1923.
- 171,210. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,509. PUBLISHED MAY 15, 1923.
- 171,211. HAMES, HAME TRIMMINGS, AND SADDLERY HARDWARE. U. S. HAME COMPANY, Buffalo, N. Y.
Filed March 29, 1923. Serial No. 178,313. PUBLISHED MAY 15, 1923.
- 171,212. HAMES, HAME TRIMMINGS, AND SADDLERY HARDWARE. U. S. HAME COMPANY, Buffalo, N. Y.
Filed March 29, 1923. Serial No. 178,312. PUBLISHED MAY 15, 1923.
- 171,213. PYROXYLIN THINNER. FLOOD & CONKLIN COMPANY, Newark, N. J.
Filed March 28, 1923. Serial No. 178,174. PUBLISHED MAY 15, 1923.
- 171,214. WARDROBE TRUNKS. SEWARD TRUNK AND BAG COMPANY, Petersburg, Va.
Filed March 24, 1923. Serial No. 178,004. PUBLISHED MAY 15, 1923.
- 171,215. ABSORBENT COTTON, ABSORBENT GAUZE, ABSORBENT WASTE, BANDAGE ROLLS, CRINOLINE BANDAGES, DENTAL NAPKINS, GAUZE BANDAGES, GAUZE PADS, MUSLIN BANDAGES, AND SURGEONS' ADHESIVE PLASTER. HYGIENIC FIBRE COMPANY, Versailles, Conn., and New York, N. Y.
Filed March 21, 1923. Serial No. 177,784. PUBLISHED MAY 15, 1923.
- 171,216. COMPOUND FOR LOOSENING TIGHT NUTS ON BOLTS, AND LUBRICATING LEAF SPRINGS. JOHN A. CARROLL, doing business as Liquid Wrench Company, Schenectady, N. Y.
Filed March 20, 1923. Serial No. 177,726. PUBLISHED MAY 15, 1923.

- 171,217. CORDS, TWINES, ROPES, AND LINES OF FIBER MATERIAL MADE FROM COTTON, HEMP, MANILA, SISAL, OR JUTE, SAID LINES BEING OF THE NATURE OF CLOTHESLINES. HIGHLAND CORDAGE COMPANY, Highland and Hickory, N. C.
Filed March 19, 1923. Serial No. 177,668. PUBLISHED MAY 15, 1923.
- 171,218. HAT BAGS. HELEN C. GAMBLE, New Brunswick, N. J.
Filed March 19, 1923. Serial No. 177,664. PUBLISHED MAY 15, 1923.
- 171,219. VARNISHES. EDWARD SMITH & COMPANY, Long Island City, N. Y.
Filed March 17, 1923. Serial No. 177,629. PUBLISHED MAY 1, 1923.
- 171,220. CIGARS. OTTO EISENLOHR & BROS. INCORPORATED, Philadelphia, Pa.
Filed March 15, 1923. Serial No. 177,477. PUBLISHED APRIL 24, 1923.
- 171,221. CRAYONS AND PENCILS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed March 13, 1923. Serial No. 177,347. PUBLISHED MAY 8, 1923.
- 171,222. DOLLS. FRANK O. KING, Chicago, Ill.
Filed March 10, 1923. Serial No. 177,228. PUBLISHED APRIL 24, 1923.
- 171,223. DRY PASTE. PYRAMID PROCESS CO., INC., East Rochester, N. Y.
Filed March 9, 1923. Serial No. 177,200. PUBLISHED MAY 15, 1923.
- 171,224. DOMESTIC REFRIGERATORS. PRESCOTT & COMPANY, Boston, Mass.
Filed March 9, 1923. Serial No. 177,199. PUBLISHED MAY 8, 1923.
- 171,225. PLAYING CARDS. RUSSELL PLAYING CARD CO., Milltown, N. J.
Filed March 7, 1923. Serial No. 177,109. PUBLISHED APRIL 24, 1923.
- 171,226. READY-MIXED PAINT, VARNISH, AND PAINT ENAMEL. REPUBLIC VARNISH COMPANY, Newark, N. J.
Filed March 7, 1923. Serial No. 177,107. PUBLISHED MAY 15, 1923.
- 171,227. TOY VEHICLES. CLAUDE E. BOWERS, doing business as Bowers Manufacturing Company, Los Angeles, Calif.
Filed March 7, 1923. Serial No. 177,067. PUBLISHED APRIL 24, 1923.
- 171,228. TOY ANIMALS. ASIATIC IMPORT CO., INC., New York, N. Y.
Filed March 6, 1923. Serial No. 177,030. PUBLISHED APRIL 24, 1923.
- 171,229. ALIMENTARY PASTE PRODUCTS. THARINGER MACARONI COMPANY, Milwaukee, Wis.
Filed October 25, 1922. Serial No. 171,186. PUBLISHED MAY 15, 1923.
- 171,230. POWDER TO BE USED IN THE PREPARATION OF SALAD DRESSING. GUY M. FIELD, High Point, N. C.
Filed October 25, 1922. Serial No. 171,158. PUBLISHED MAY 8, 1923.
- 171,231. CANNED PLUM PUDDING. A. SILZ, INC., New York, N. Y.
Filed October 14, 1922. Serial No. 171,141. PUBLISHED MAY 22, 1923.
- 171,232. TOY VELOCIPEDES. JOHN T. CASEY, doing business as United States Juvenile Vehicle Co., Philadelphia, Pa.
Filed October 20, 1922. Serial No. 170,968. PUBLISHED MAY 1, 1923.
- 171,233. COFFEE AND TEA. REQUA BROS., Cold Spring Harbor, N. Y.
Filed October 17, 1922. Serial No. 170,834. PUBLISHED MAY 15, 1923.
- 171,234. DATES, SALTED NUTS, AND PRESERVED FIGS. ROYAL SEAL FOOD PRODUCTS CO., Chicago, Ill.
Filed October 16, 1922. Serial No. 170,789. PUBLISHED MAY 8, 1923.
- 171,235. PRESERVES, PICKLES, RELISHES, AND OTHER FOODS. G. H. WETTERAU & SONS GROCER COMPANY, St. Louis, Mo.
Filed October 14, 1922. Serial No. 170,736. PUBLISHED MAY 8, 1923.
- 171,236. CANNED SALMON. HARRY CONNIFF, doing business as Angeles Packing Company, Seattle, Wash.
Filed October 11, 1922. Serial No. 170,566. PUBLISHED MAY 1, 1923.
- 171,237. CANDY. THE GEORGE CLOSE CO., Cambridge, Mass.
Filed October 11, 1922. Serial No. 170,564. PUBLISHED MAY 8, 1923.
- 171,238. CANDY. THE GEORGE CLOSE CO., Cambridge, Mass.
Filed October 11, 1922. Serial No. 170,562. PUBLISHED MAY 1, 1923.
- 171,239. LADIES' AND MISSES' DRESSES. JOS. A. MORRIS & CO., INC., New York, N. Y.
Filed October 6, 1922. Serial No. 170,399. PUBLISHED MAY 8, 1923.
- 171,240. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,385. PUBLISHED MAY 15, 1923.
- 171,241. HOSIERY. SAMUEL A. GOLDBERG, Chicago, Ill.
Filed October 6, 1922. Serial No. 170,375. PUBLISHED MAY 8, 1923.
- 171,242. MEN'S DRESS AND NEGLIGEE SHIRTS, PYJAMAS, AND UNDERWEAR OF TEXTILE FABRIC. WILSON BROTHERS, Chicago, Ill.
Filed October 4, 1922. Serial No. 170,320. PUBLISHED MAY 8, 1923.
- 171,243. HOSIERY AND KNITTED UNDERWEAR IN ONE AND TWO PIECE GARMENTS FOR MEN, WOMEN, AND CHILDREN. REALSILK FABRICS CORPORATION, (now by change of name Liberty Fabrics Corporation), Brooklyn, N. Y.
Filed October 4, 1922. Serial No. 170,308. PUBLISHED MAY 8, 1923.
- 171,244. KNITTED OUTER GARMENTS. HALPERN & KALB, INC., New York, N. Y.
Filed October 2, 1922. Serial No. 170,186. PUBLISHED MAY 1, 1923.
- 171,245. LADIES' DRESSES, COATS, AND BLOUSES. R. KIRSCHBAUM & SON, INC., Indianapolis, Ind.
Filed September 26, 1922. Serial No. 169,957. PUBLISHED MAY 8, 1923.
- 171,246. LADIES' AND MISSES' SUITS; LADIES', MISSES', CHILDREN'S INTERMEDIATES; AND JUNIOR COATS; LADIES' AND MISSES' DRESSES; FURS—NAMELY, NECK PIECES, SCARFS, MUFFS, AND COATS. THE CINCINNATI CLOAK & SUIT COMPANY, Cincinnati, Ohio.
Filed September 26, 1922. Serial No. 169,948. PUBLISHED MAY 8, 1923.
- 171,247. CANNED APRICOTS, GRAPES, PLUMS, PEACHES, PINEAPPLE, CHERRIES, PEARS, CORN, PEAS, AND ASPARAGUS. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed October 27, 1922. Serial No. 171,275. PUBLISHED MAY 8, 1923.

- 171,248. CRAB MEAT. TAIYO TRADING COMPANY, INC., New York, N. Y.
Filed October 26, 1922. Serial No. 171,236. PUBLISHED MAY 15, 1923.
- 171,249. HAMMERS. THE STANLEY WORKS, New Britain, Conn.
Filed July 27, 1922. Serial No. 167,491. PUBLISHED FEBRUARY 27, 1923.
- 171,250. CANDIES. J. N. COLLINS COMPANY, Minneapolis, Minn.
Filed March 10, 1922. Serial No. 160,488. PUBLISHED DECEMBER 12, 1922.
- 171,251. NIGHTGOWNS. L. H. CLARK MFG. CO. INC., Brooklyn, N. Y.
Filed September 25, 1922. Serial No. 169,891. PUBLISHED MAY 1, 1923.
- 171,252. CANNED FRUITS AND CANNED VEGETABLES, JAMS, PRESERVES, DRIED FRUITS, OLIVES, OLIVE OIL. CALIFORNIA GROWERS ASSOCIATION, INC., Los Angeles, Calif.
Filed September 23, 1922. Serial No. 169,844. PUBLISHED MAY 15, 1923.
- 171,253. CANNED FRUITS AND VEGETABLES. H. M. NEWHALL & CO., San Francisco, Calif.
Filed September 21, 1922. Serial No. 169,772. PUBLISHED MAY 1, 1923.
- 171,254. MEN'S AND BOYS' DRESS SHIRTS. LANCHESTER SHIRT CO. INC., New York, N. Y.
Filed September 20, 1922. Serial No. 169,717. PUBLISHED MAY 8, 1923.
- 171,255. LADIES' KNIT UNDERWEAR. CALIFORNIA UNDERWEAR AND HOSIERY MILLS, also doing business as California Underwear Mills, Los Angeles, Calif.
Filed September 18, 1922. Serial No. 169,619. PUBLISHED MAY 1, 1923.
- 171,256. HOSIERY. GREENEBAUM, WEIL & MICHELS, San Francisco, Calif.
Filed September 18, 1922. Serial No. 169,590. PUBLISHED MAY 8, 1923.
- 171,257. CANDIES. KING CANDY CO., Fort Worth, Tex.
Filed September 18, 1922. Serial No. 169,551. PUBLISHED MAY 1, 1923.
- 171,258. YOUNG LADIES' DRESSES. J. PHILIP ROSENBLUM CO. INC., New York, N. Y.
Filed September 14, 1922. Serial No. 169,457. PUBLISHED MAY 1, 1923.
- 171,259. MEN'S AND YOUNG MEN'S SUITS AND TOPCOATS. MINTZ & FRIEDMAN, New York, N. Y.
Filed September 14, 1922. Serial No. 169,455. PUBLISHED MAY 1, 1923.
- 171,260. FUR COATS, CAPES, AND STOLES AND FUR GARMENTS. FELDBAUM & SPIEGEL, INC., New York, N. Y.
Filed September 14, 1922. Serial No. 169,439. PUBLISHED MAY 8, 1923.
- 171,261. CANDY. EDWIN DEAN, Hoboken, N. J.
Filed September 14, 1922. Serial No. 169,435. PUBLISHED MAY 15, 1923.
- 171,262. MEN'S AND BOYS' DRESS, NEGLIGENCE, AND WORK SHIRTS. KINGLY SHIRT CO., Chicago, Ill.
Filed September 12, 1922. Serial No. 169,363. PUBLISHED MAY 8, 1923.
- 171,263. FOOD-FLAVORING EXTRACTS FOR CONFECTIONERY, CAKES, ICE CREAM, CAKE TOPPINGS, JELLIES, AND DESSERTS. JULIUS MARCUS COMPANY, Chicago, Ill.
Filed September 11, 1922. Serial No. 169,313. PUBLISHED MAY 1, 1923.
- 171,264. LUBRICATING OILS. CLYDE R. GILLET, doing business as Gillett Chemical Works, Sacramento, Calif.
Filed September 11, 1922. Serial No. 169,293. PUBLISHED MAY 15, 1923.
- 171,265. A BREAKFAST CEREAL FOOD. ALBERS BROS. MILLING CO., Seattle, Wash.
Filed September 11, 1922. Serial No. 169,270. PUBLISHED APRIL 3, 1923.
- 171,266. CANNED PINEAPPLE. HAIKU FRUIT & PACKING CO., Haiku, Maui, Territory of Hawaii, and San Francisco, Calif.
Filed September 9, 1922. Serial No. 169,243. PUBLISHED MAY 8, 1923.
- 171,267. LADIES' DRESSES OF SILK, COTTON, AND WOOL, AND COMBINATIONS THEREOF. LOUIS BERNSTEIN, doing business as Princess Dress House, New York, N. Y.
Filed September 9, 1922. Serial No. 169,235. PUBLISHED MAY 8, 1923.
- 171,268. CERTAIN NAMED CLOTHING. BABCOCK & SHANNON CO., Albany, N. Y.
Filed August 30, 1922. Serial No. 168,870. PUBLISHED MAY 8, 1923.
- 171,269. COLLARS, NECKTIES, SCARFS, CRAVATS, SUSPENDERS, GARTERS, ARM BANDS, GLOVES OF LEATHER AND FABRIC, AND MITTENS. BABCOCK & SHANNON CO., Albany, N. Y.
Filed August 30, 1922. Serial No. 168,869. PUBLISHED MAY 8, 1923.
- 171,270. ORANGES, GRAPEFRUIT, AND CITROUS FRUIT IN THEIR NATURAL STATE. JOE MITCHELL KNIGHT, Elfers, Fla.
Filed August 29, 1922. Serial No. 168,848. PUBLISHED MAY 1, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)1.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

171,271. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WALL-KANE NEEDLE MFG. CO. INC., Brooklyn, N. Y. Filed Mar. 6, 1923. Serial No. 177,056.

WALL-KANE

Particular description of goods.—Phonograph Needles.
Claims use since Feb. 21, 1916.

171,272. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM HOLLINS & COMPANY, INC., New York, N. Y. Filed Jan. 3, 1923. Serial No. 174,135.

Hollins

Particular description of goods.—Goods in the Piece Made of Wool, Silk, Cotton, and Mixtures of the Same.
Claims use since June 12, 1920.

171,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BORDEN COMPANY, New York, N. Y. Filed Dec. 1, 1922. Serial No. 172,726.

Borden's NUTTY KUBES

Particular description of goods.—Confectionery—viz, Chocolate Cubes.

Claims use since Oct. 5, 1921.

171,274. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed June 19, 1922. Serial No. 165,711.

MULTI JACK

Particular description of goods.—Jacks for Radio Telephone and Telegraph and Similar Purposes.

Claims use for not less than one year.

171,275. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed June 19, 1922. Serial No. 165,710.

TWIN ADAPTER

Particular description of goods.—Connector Plugs for Radio Telephone and Telegraph and Similar Purposes.

Claims use for not less than one year.

171,276. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SONORA, INC., New York, N. Y. Filed May 19, 1922. Serial No. 164,119.

MARQUETTE

Particular description of goods.—Talking Machines and Phonographs.

Claims use since on or about Mar. 1, 1922.

171,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIKER, GALINDO & COMPANY, INC., New York, N. Y. Filed Aug. 31, 1921. Serial No. 152,448.



Particular description of goods.—Coffee, Flavoring Extracts, Milk (Condensed and Evaporated), Tea, Canned Goods—Namely, Fruits, Vegetables, Conserves, Soups, and Fish.

Claims use since Aug. 1, 1921.

171,278. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WIGHTMAN & HOUGH COMPANY, Providence, R. I. Filed Mar. 12, 1921. Serial No. 144,699.



Particular description of goods.—Cigarette Cases, Cigar Cases, Matchcases, Spectacle Cases, Eyeglass Cases, and Vanity Cases, All of Said Articles Being Made of or Plated with Precious Metals.

Claims use since Jan. 1, 1921.

INTERNATIONAL TRADE-MARK REGISTRATIONS

The following International Registrations have been received from the Bureau at Habana and have been placed upon the Register in accordance with the provisions of section 1 (a) of the act of March 19, 1920.

171,279. International Registration No. 856 of May 28, 1923. Registered in Cuba on June 17, 1922, No. 37,287. Proprietor: HORACIO DE CÓRDOVA Y AVILÉS. Address: Avenida Wilson esquina a 6, Vedado, Habana, Cuba.

MONOVIRINA

Merchandise to which the mark is affixed.—Biological and Pharmaceutical Products.

171,280. International Registration No. 867 of June 15, 1923. Registered in Cuba on June 22, 1914, No. 30,144. Proprietor: S. A. REY DEL MUNDO CIGAR Co. Address: Calle de Padre Varela No. 90, Habana, Cuba.



Merchandise to which the mark is affixed.—Cigars.

171,281. International Registration No. 868 of June 15, 1923. Registered in Cuba on June 22, 1914, No. 30,143. Proprietor: S. A. REY DEL MUNDO CIGAR Co. Address: Calle de Padre Varela No. 90, Habana, Cuba.



Merchandise to which the mark is affixed.—Cigars.

171,282. International Registration No. 869 of June 15, 1923. Registered in Cuba on April 5, 1922, No. 37,135. Proprietor: EDUARDO VALDÉS FIGUEROA, S. EN C. Address: Independencia No. 76, Ciego de Avila, Cuba.

UBI

Merchandise to which the mark is affixed.—A Medicinal Preparation.

LABELS

REGISTERED JULY 31, 1923.

- 26,264.—*Title:* A. F. C. LACES. For Lace Cards. THE AMERICAN FABRICS COMPANY, Bridgeport, Conn. Published June 15, 1923.
- 26,265.—*Title:* THE SHINGLE BEAUTIFUL. For Shingles. T. A. BRUETT LUMBER, INC., Milwaukee, Wis. Published February 19, 1923.
- 26,266.—*Title:* "RHOPAC" FLEXIBLE METALLIC PACKING. For Packing. CHICAGO METALLIC PACKING Co., Chicago, Ill. Published August 1, 1922.
- 26,267.—*Title:* COONEY'S INK PASTE. For Concentrated Ink. FRANK B. COONEY, Minneapolis, Minn. Published September 1, 1922.
- 26,268.—*Title:* DEPENDABLE. For Coffee. DWIGHT EDWARDS COMPANY, Portland, Oreg. Published March 12, 1923.
- 26,269.—*Title:* GOLDEN HORN. For Roasted Coffee. THE ENNIS-HANLY-BLACKBURN COFFEE Co., Kansas City, Mo. Published June 28, 1923.
- 26,270.—*Title:* WHOLE WHEAT BREAD. For Bread. THE HAMERSLEY MANUFACTURING COMPANY, New York, N. Y. Published June 18, 1923.
- 26,271.—*Title:* GRAHAM BREAD. For Bread. THE HAMERSLEY MANUFACTURING COMPANY, New York, N. Y. Published June 18, 1923.
- 26,272.—*Title:* BLUE DOT. For Hops. LEE M. HIRSCHLER, doing business as Hirschler & Co., Cincinnati, Ohio. Published April 18, 1923.
- 26,273.—*Title:* EGGS. For Poultry Products. LONG ISLAND POULTRY ASSOCIATION, Huntington, N. Y. Published May 14, 1923.
- 26,274.—*Title:* GOLDEN CAL. For Canned Grapefruit. MAILLIARD & SCHMIEDELL, San Francisco, Calif. Published April 24, 1923.
- 26,275.—*Title:* GOLDEN CAL. For Canned Asparagus. MAILLIARD & SCHMIEDELL, San Francisco, Calif. Published April 24, 1923.
- 26,276.—*Title:* SEAWARE. For Paint. J. W. MERRIMAN, Seattle, Wash. Published March 8, 1923.
- 26,277.—*Title:* BABY COMFORT KIT. For a Container Holding Articles for the Care of Babies. THE MILLER RUBBER COMPANY, Akron, Ohio. Published May 1, 1923.
- 26,278.—*Title:* IT'S A CANDY DANDY BIRD. For a Toy with a Whistle. THE MUSICAL TOY PRODUCTION COMPANY, New York, N. Y. Published March 30, 1923.
- 26,279.—*Title:* SIGARO VESUVIO. For Boxes and Cans Containing Cigars. PARODI CIGAR Co., INC., Jersey City, N. J. Published April 1, 1922.
- 26,280.—*Title:* BUCK SHOT LOAD. For Loaded Shot Shells. REMINGTON ARMS COMPANY, INC., New York and Ilion, N. Y., and Bridgeport, Conn. Published March 17, 1923.
- 26,281.—*Title:* WANDA HAIR NET. For Hair Nets. NATHAN SELIGMAN, doing business as N. Seligman Co., New York, N. Y. Published June 1, 1923.
- 26,282.—*Title:* BLATZ BOHEMIAN MALT SIRUP. For Malt Sirups. VAL. BLATZ BREWING COMPANY, doing business under the name of Blatz Products Co., Milwaukee, Wis. Published December 1, 1922.

PRINTS

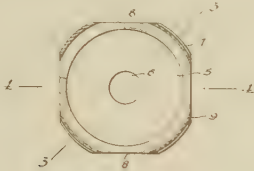
REGISTERED JULY 31, 1923.

- 6,836.—*Title:* HOUR SAVING APPLIANCES. For Domestic-Labor-Saving Devices, and Particularly Vacuum Cleaners, Washers, Ironers, and Wringers. THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Published April 20, 1923.
- 6,837.—*Title:* COLUMBIA NEW PROCESS RECORDS. For Graphophone Records. COLUMBIA GRAPHOPHONE COMPANY, New York, N. Y. Published March 1, 1923.
- 6,838.—*Title:* KEPT SWEET AND CLEAN WITH GOLD DUST. For Gold Dust Washing Powder. THE N. K. FAIRBANK COMPANY, New York, N. Y. Published June 10, 1923.
- 6,839.—*Title:* YOU MEN FOLKS PREFER FAIRY SOAP. For Fairy Soap. THE N. K. FAIRBANK COMPANY, New York, N. Y. Published June 12, 1923.
- 6,840.—*Title:* HITONE KUT. For Fancy-Cut Spectacle and Eyeglass Lenses. WM. B. GEORGIA, Waco, Tex. Published June 21, 1923.
- 6,841.—*Title:* THAT YOU MAY KNOW. For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published January 1, 1923.
- 6,842.—*Title:* MOST SERIOUS DENTAL TROUBLES START AT THE DANGER LINE. For Squibb's Magnesia Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published June 2, 1923.
- 6,843.—*Title:* STEAMETER THE NEW HEAT INDICATOR. For Temperature-Indicating Devices. THE STEAMETER Co., Chicago, Ill. Published May 28, 1923.
- 6,844.—*Title:* ABOVE THEM ALL! For Cuñ Buttons. J. F. STURDY'S SONS COMPANY, Attleboro Falls, Mass. Published February 8, 1923.
- 6,845.—*Title:* THOMMEN'S INC. ORIGINATORS OF THE JAPANESE CAKE. For Cake. THOMMEN'S INC., Philadelphia, Pa. Published April 23, 1923.
- 6,846.—*Title:* WILLIAMS' DOUBLECAP SHAVING STICK. For Shaving-Soap Sticks. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Published May 5, 1923.

REISSUES.

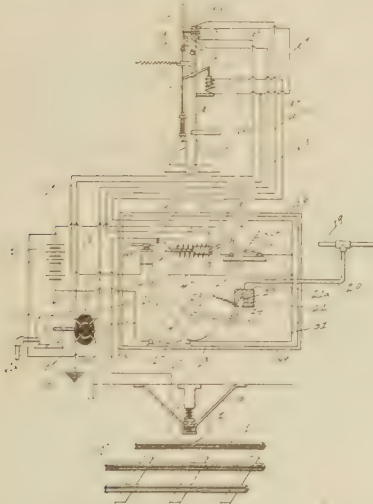
JULY 31, 1923.

15,663. MANICURE IMPLEMENT. JOHN OLIN LANDIS, Waynesboro, Pa. Filed Mar. 15, 1923. Serial No. 625,269. Original No. 1,324,677, dated Dec. 9, 1919, Serial No. 291,314, filed Apr. 19, 1919. 2 Claims. (Cl. 30—23.)



1. A device of the character described comprising a metal disk provided on its edge with a continuous annular flange of substantially circular form in cross section, said flange having flat ground surfaces about its periphery, said ground surfaces extending entirely through the flange to provide a plurality of cutting members.

15,664. AUTOMATIC TRAIN-CONTROLLING APPARATUS. EDWARD H. OLSON, JAMES C. H. CLARK, MERL B. MEALEY, Walla Walla, Wash., and CHARLES PELTER Oregon City, Oreg. Filed Feb. 8, 1923. Serial No. 617,877. Original No. 1,366,588, dated Jan. 25, 1921, Serial No. 215,513, filed Feb. 5, 1918. 3 Claims. (Cl. 246—68.)

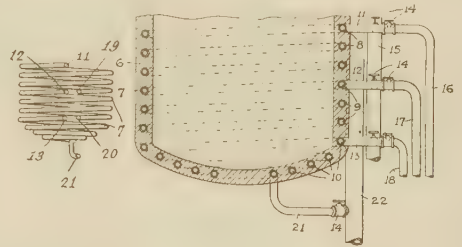


1. In a train controlling apparatus, a compressed air brake pipe, a valve for controlling the release of the air within the air brake pipe, an electric circuit, a motor in said electric circuit, an eccentric operated by the motor, said eccentric having connection with the valve for intermittently operating the valve to gradually release the air in the air brake pipe, and means for adjusting the connection between the eccentric and valve to regulate the movement of the valve.

15,665. TEMPERATURE CONTROL OF KETTLES BY ZONES. JOHN GEORGE LEHMAN, Bethlehem, Pa., assignor to Bethlehem Foundry & Machine Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Oct. 12, 1922. Serial No. 594,170. Original No. 1,407,666, dated Feb. 21, 1922, Serial No. 327,007, filed Sept. 27, 1919. 6 Claims. (Cl. 257—211.)

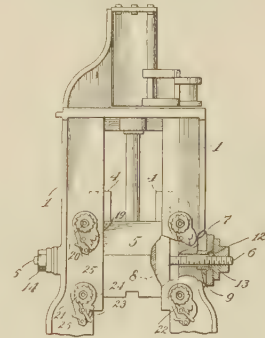
1. In a device for treating liquids, a kettle having integral side and bottom walls, fluid passages in the walls, and

a plurality of points of inlet to and outlet from the said passages, in combination with controlled fluid supply for



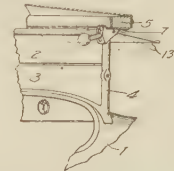
the inlets whereby fluid can be passed through the passages to surround one or more belts or zones of said kettle without passing through the other belt or belts thereof.

15,666. ADJUSTABLE GUIDE FOR HAMMERS. STEPHEN PAUL, Lansing, Mich., assignor, by mesne assignments, to The Massillon Foundry & Machine Company, Massillon, Ohio. Filed July 5, 1922. Serial No. 573,059. Original application filed May 3, 1917, Serial No. 166,132. Renewed May 28, 1920, Serial No. 385,067. Original No. 1,352,621, dated Sept. 14, 1920. 9 Claims. (Cl. 78—37.)



2. In a guide for drop hammers, a drop hammer side frame having a pocket with a bearing face at the bottom of the pocket, a guide adapted to fit in the pocket and to rest upon the bearing face, a retaining device for the guide and independent adjustments for the upper and lower parts of the guide to adjust the guide out of parallelism with its initial position in the adjusted positions.

15,667. SHIELD. HARRY SIMMONS, Spokane, Wash. Filed Jan. 17, 1923. Serial No. 613,300. Original No. 1,399,446, dated Dec. 6, 1921, Serial No. 443,684, filed Feb. 9, 1921. 8 Claims. (Cl. 296—95.)



5. The combination with a shield of a support therefor, a controlling handpiece by means of which said shield is moved to adjust it to various positions, said shield and controlling hand piece having a common pivot connecting both said shield and hand piece with said support and locking means controlled by said handpiece for locking the shield in its adjusted position.

DESIGNS.

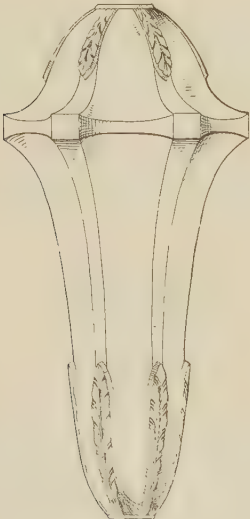
JULY 31, 1923.

62,767. WALL PLATE FOR LIGHTING FIXTURES. GEORGE AINSWORTH, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Sept. 22, 1922. Serial No. 3,795. Term of patent 14 years.



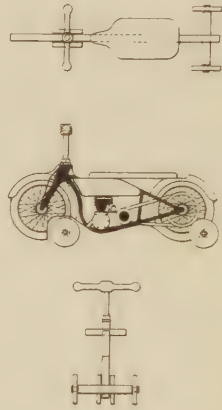
The ornamental design for a wall plate for lighting fixtures as shown.

62,768. BODY SHELL FOR LIGHTING FIXTURES. GEORGE AINSWORTH, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Sept. 22, 1922. Serial No. 3,796. Term of patent 14 years.



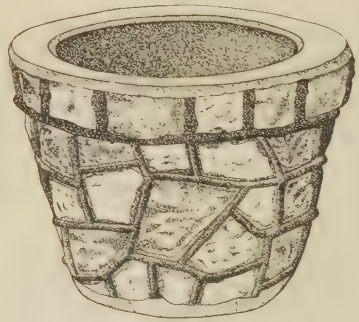
The ornamental design for a body shell for lighting fixtures as shown.

62,769. CHILD'S VEHICLE. CHARLES E. BAKER, Hartford, Conn., assignor to The Universal Pattern & Model Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 26, 1921. Serial No. 448,252. Term of patent 7 years.



The ornamental design for child's vehicle, as shown.

62,770. FLOWERPOT. WILLIAM H. COCHRAN, Spartanburg, S. C. Filed July 3, 1922. Serial No. 2,932. Term of patent 3½ years.



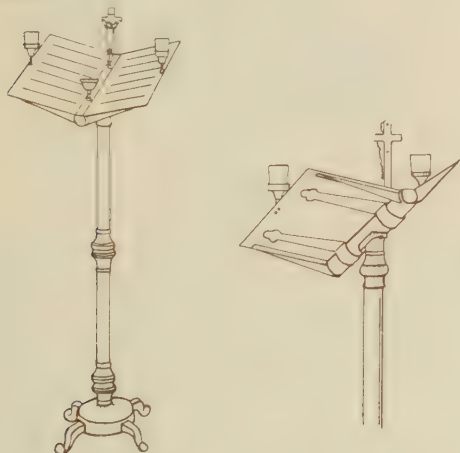
The ornamental design for a flowerpot, as shown.

- 62,771. IDENTIFICATION SIGN FOR OPTOMETRISTS. EARL F. COLLINS, Charleston, W. Va. Filed July 30, 1920. Serial No. 400,250. Term of patent $3\frac{1}{2}$ years.



The ornamental design for an identification sign for optometrists as shown.

- 62,772. MASS-CARD HOLDER. VERNON E. COOK, Utica, and LEO R. H. BURTON, Rome, N. Y. Filed Oct. 14, 1922. Serial No. 3,965. Term of patent 14 years.



The ornamental design for a mass card holder as shown.

- 62,773. ARM FOR LIGHTING FIXTURES. WILLIAM J. GRADY, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a Corporation of Illinois. Filed Jan. 23, 1922. Serial No. 315. Term of patent 7 years.



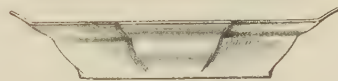
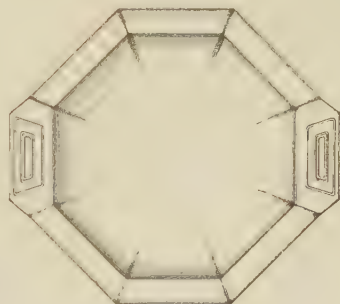
The ornamental design for an arm for lighting fixtures, as shown.

- 62,774. PLATE OR SIMILAR ARTICLE. WILLIAM D. HAVILAND, Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y., a Firm. Filed Oct. 28, 1922. Serial No. 4,146. Term of patent 14 years.



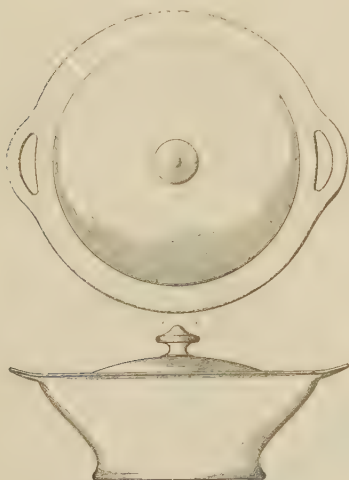
The ornamental design for a plate or similar article, as shown.

- 62,775. PLATE OR SIMILAR ARTICLE. WILLIAM D. HAVILAND, Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y., a Firm. Filed Oct. 28, 1922. Serial No. 4,147. Term of patent 14 years.



The ornamental design for a plate or similar article, as shown.

62,776. DISH, BOWL, OR SIMILAR ARTICLE. WILLIAM D. HAVILAND, Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y., a Firm. Filed Oct. 28, 1922. Serial No. 4,148. Term of patent 14 years.



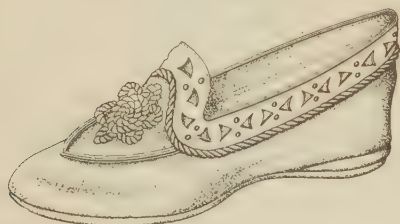
The ornamental design for a dish, bowl, or similar article, as shown

62,777. SLIPPER. MORRIS HIRSHFIELD, Brooklyn, N. Y. Filed Nov. 18, 1922. Serial No. 4,327. Term of patent 3½ years.



The ornamental design for a slipper, substantially as shown.

62,778. SLIPPER. MORRIS HIRSHFIELD, Brooklyn, N. Y. Filed Nov. 18, 1922. Serial No. 4,328. Term of patent 3½ years.



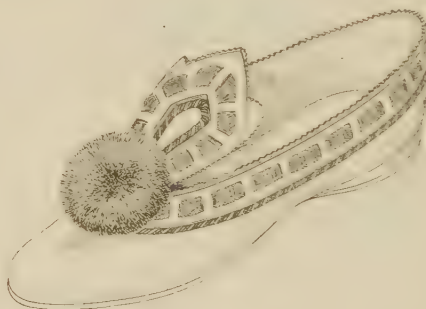
The ornamental design for a slipper, substantially as shown.

62,779. SLIPPER. MORRIS HIRSHFIELD, Brooklyn, N. Y. Filed Jan. 29, 1923. Serial No. 5,022. Term of patent 3½ years.



The ornamental design for a slipper, substantially as shown and described.

62,780. SLIPPER. MORRIS HIRSHFIELD, Brooklyn, N. Y. Filed Jan. 29, 1923. Serial No. 5,023. Term of patent 3½ years.



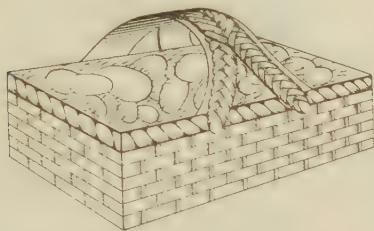
The ornamental design for a slipper, substantially as shown and described.

62,781. ARM FOR LIGHTING FIXTURES. HENRY M. KOFSKY, Philadelphia, Pa. Filed Oct. 27, 1922. Serial No. 4,114. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures substantially as shown.

- 62,782. PAPER CARTON. LOUIS KUHN, Milwaukee, Wis., assignor to American Candy Co., Milwaukee, Wis., a Corporation of Illinois. Filed Feb. 20, 1922. Serial No. 794. Term of patent $3\frac{1}{2}$ years.



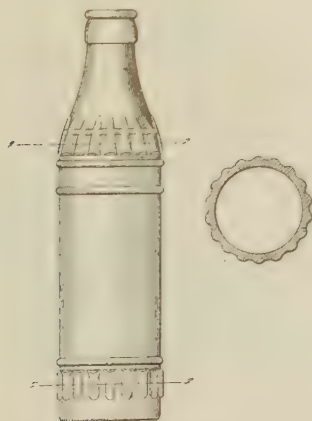
The ornamental design for a paper carton, as shown.

- 62,783. AUTO REAR SIGNAL LAMP. LEON LAPIDUS, Brooklyn, N. Y. Filed Aug. 31, 1922. Serial No. 3,608. Term of patent 7 years.



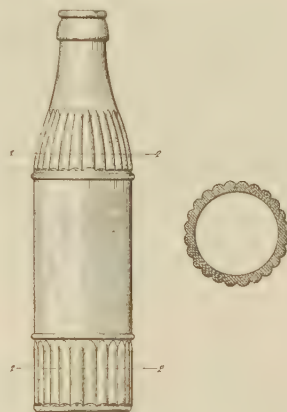
The ornamental design for an auto rear signal lamp, as shown.

- 62,784. BOTTLE. WILLIAM BAIRD MARBLE, Los Angeles, Calif., assignor to Southern Glass Company, a Corporation of California. Filed May 22, 1922. Serial No. 2,368. Term of patent 14 years.



The ornamental design for a bottle, as shown.

- 62,785. BOTTLE. WILLIAM BAIRD MARBLE, Los Angeles, Calif., assignor to Southern Glass Company, a Corporation of California. Filed May 22, 1922. Serial No. 2,369. Term of patent 14 years.



The ornamental design for a bottle, as shown.

- 62,786. RING-DISPLAY HOLDER. ARTHUR MENG, Cleveland, Ohio. Filed Aug. 3, 1922. Serial No. 3,274. Term of patent 7 years.



The ornamental design for a ring display holder, as shown.

- 62,787. LIGHTING-FIXTURE SUSPENSION STRAP. ABRAHAM MILLER, New York, N. Y. Filed Oct. 7, 1922. Serial No. 3,905. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lighting fixture suspension strap, as shown.

62,788. LIGHTING-FIXTURE ARM. ABRAHAM MILLER, New York, N. Y. Filed Oct. 7, 1922. Serial No. 3,906. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a lighting fixture arm, as shown.

62,789. LIGHTING FIXTURE. PAUL MOHRMANN, Chicago, Ill., assignor to Friedley Voshardt Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 29, 1922. Serial No. 3,840. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

62,790. LACE. THOMAS MONK, Bridgeport, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,271. Term of patent 14 years.



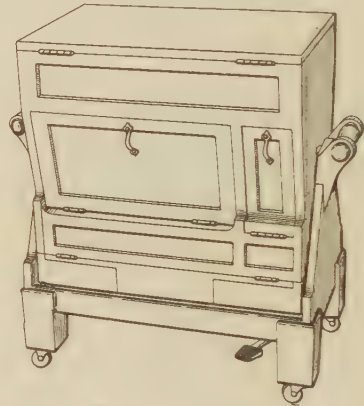
The ornamental design for lace substantially as shown.

62,791. ELASTIC WOVEN FABRIC. GEORGE C. MOORE and THOMAS F. MOORE, Westerly, R. I. Filed Aug. 18, 1922. Serial No. 3,453. Term of patent 14 years.



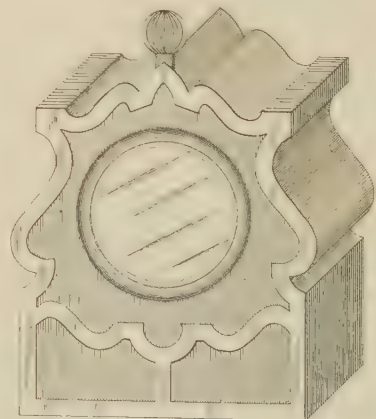
The ornamental design for elastic woven fabric, as shown.

62,792. INVERTIBLE DESK CABINET. WILLIAM G. MOORE, Omaha, Nebr. Filed July 25, 1921. Serial No. 487,213. Term of patent $3\frac{1}{2}$ years.



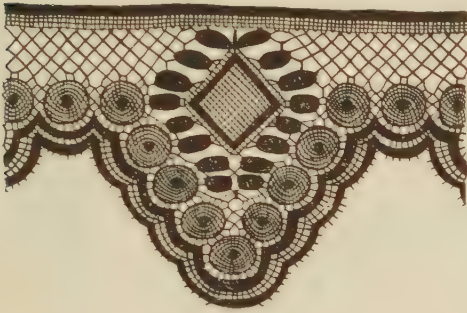
The ornamental design for an invertible desk cabinet, as shown.

62,793. WATCH-MOVEMENT CASE. SISSAG K. OUZOUN-BOGHOSIAN, Heliopolis, Egypt. Filed Jan. 13, 1923. Serial No. 4,895. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a watch-movement-case, as shown.

62,794. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,278. Term of patent 14 years.



The ornamental design for lace substantially as shown.

62,795. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,279. Term of patent 14 years.



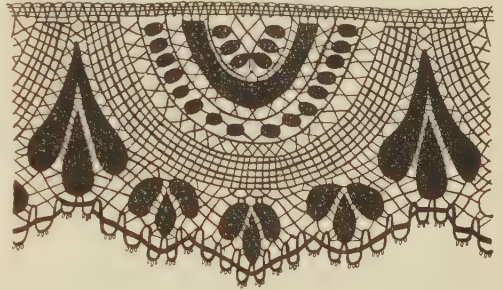
The ornamental design for lace substantially as shown.

62,796. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,280. Term of patent 14 years.



The ornamental design for lace substantially as shown.

62,797. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,281. Term of patent 14 years.



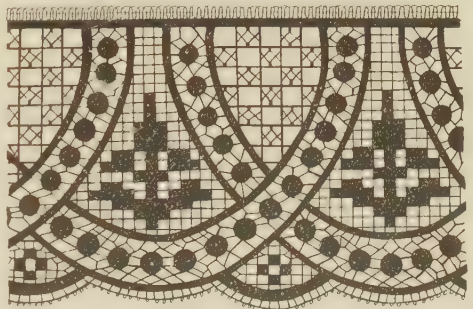
The ornamental design for lace substantially as shown.

62,798. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,282. Term of patent 14 years.



The ornamental design for lace substantially as shown.

62,799. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,283. Term of patent 14 years.



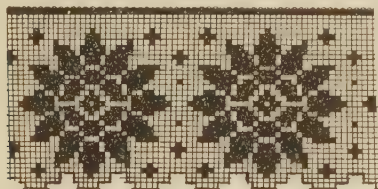
The ornamental design for lace substantially as shown.

62,800. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,284. Term of patent 14 years.



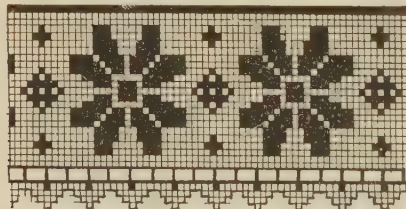
The ornamental design for lace substantially as shown.

62,801. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,285. Term of patent 14 years.



The ornamental design for lace substantially as shown.

62,802. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,286. Term of patent 14 years.



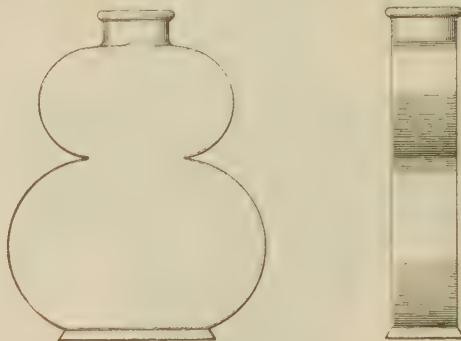
The ornamental design for lace substantially as shown.

62,803. LENS. FERDINAND PIASZEK, Saginaw, Mich. Filed Feb. 28, 1922. Serial No. 934. Term of patent 14 years.



The ornamental design for a lens as shown.

62,804. BOTTLE. HARRY K. QUAN, New York, N. Y. Filed Feb. 9, 1922. Serial No. 612. Term of patent 3½ years.



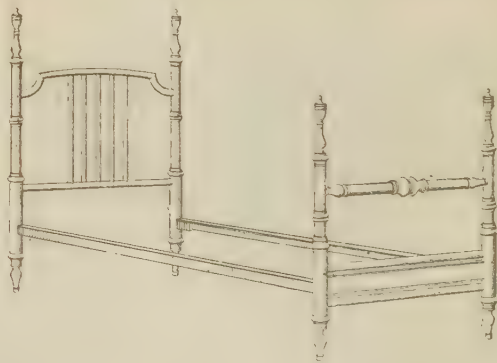
The ornamental design for a bottle substantially as shown.

62,805. VANITY CASE. ABRAHAM SCHOCKET, New York, N. Y. Filed Feb. 20, 1922. Serial No. 785. Term of patent 3½ years.



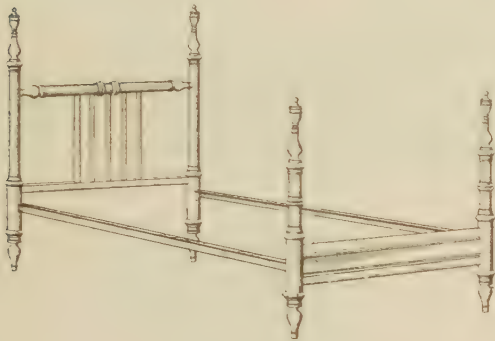
The ornamental design for a vanity case.

62,806. BEDSTEAD FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Aug. 24, 1922. Serial No. 3,551. Term of patent 3½ years.



The ornamental design for a bedstead frame as shown.

62,807. BEDSTEAD FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Aug. 24, 1922. Serial No. 3,550. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a bedstead frame as shown.

62,808. FLOWER DOLL. CALLIE WOOD, Reno, Nev. Filed Mar. 25, 1922. Serial No. 1,390. Term of patent $3\frac{1}{2}$ years.



The ornamental design for a flower doll as shown.

62,809. DOLL. DOMENIC ZAPPIA, Cleveland, Ohio, assignor to Paramount Rubber Consolidated, Inc., Little Falls, N. J., a Corporation of Delaware. Filed Mar. 12, 1923. Serial No. 5,441. Term of patent 14 years.



The ornamental design for a doll, substantially as shown in the drawing hereof.

62,810. PEDESTAL. LORENZO ZUNINO, Berkeley, Calif. Filed June 5, 1922. Serial No. 2,526. Term of patent $3\frac{1}{2}$ years.

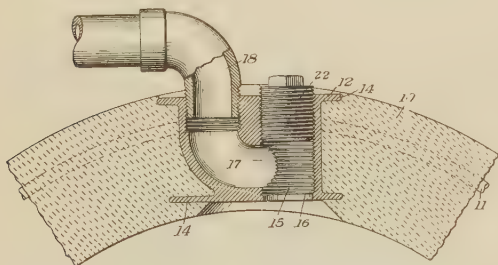


The ornamental design for a pedestal, substantially as shown.

PATENTS

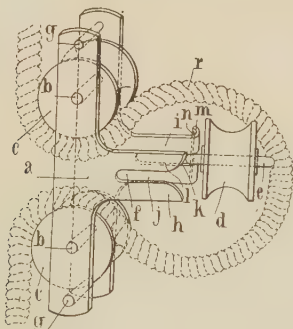
GRANTED JULY 31, 1923.

1,463,148. SERVICE CONNECTION FOR CONCRETE MAINS. CHARLES F. BUENTE, Avalon, Pa. Filed July 21, 1919. Serial No. 312,181. 13 Claims. (Cl. 137—75.)



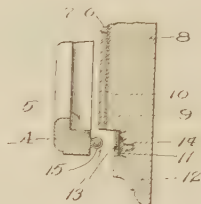
1. A service connection comprising a body member having a plurality of openings formed in the outer face thereof, and a single opening formed in the inner face thereof and aligning with one of said openings in the outer face, said openings intersecting within the body member, and a single means for closing one or all of said openings, one of said openings being threaded throughout a sufficient portion of its length to permit said means to be moved to a position entirely within said body member, substantially as described.

1,463,149. FIRE ESCAPE. ANTOINE JOSEPH MARIUS BARTHELEMY DIT PAUL CANS, Paris, France. Filed Jan. 19, 1922. Serial No. 530,271. 4 Claims. (Cl. 227—28.)



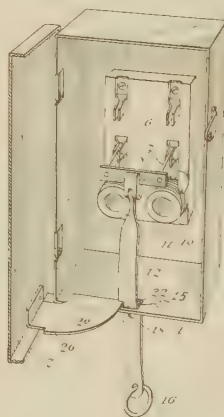
1. The combination with a flexible element, of a main body, a pair of rollers rotatably mounted in said body upon spaced parallel axes, fixed in a substantially vertical common plane, a mobile roller rotatably mounted upon an axle movable transversely of said vertical plane and means to pivotally mount said axle to permit it to be swung out of parallelism with the axes of said pair of rollers into a position substantially at right angles to said axes.

1,463,150. FRAME FOR FRAMING PRINTS AND THE LIKE. JOHN H. CARLSEN, Chicago, Ill. Filed July 29, 1922. Serial No. 578,343. 3 Claims. (Cl. 40—152.)



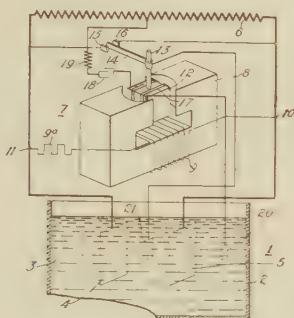
1. A frame for framing prints and the like, comprising a rabbeted picture frame having an exposure opening therein for the picture, a back piece having a raised print engaging portion entering said rabbet and a depressed marginal portion around said raised portion into which the picture frame fits, and means for removably securing said picture frame and back piece together.

1,463,151. INCLOSED SWITCH. JOHN E. CARR, Aurora, Ill., assignor to All-Steel-Equip Company, Aurora, Ill., a Corporation of Illinois. Filed July 1, 1920. Serial No. 393,303. 10 Claims. (Cl. 200—50.)



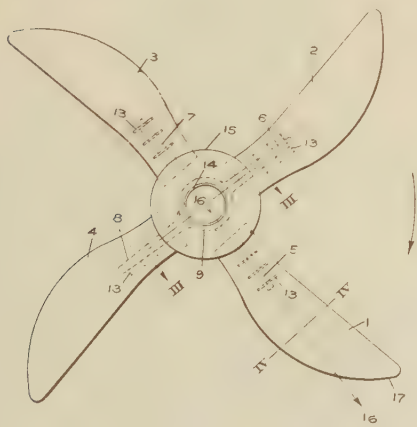
1. An externally operated inclosed switch having a box, a cover hinged to it, a switch within the box, an operating rod connected to the switch and passing out through a hole in one of the walls of the box, said rod being movable approximately longitudinally for operating the switch and being arranged approximately parallel to the hinged axis of the box cover, the switch being fastened to the cover and adapted to engage and lock the rod when the latter has been pulled outward and the door has been swung open.

1,463,152. ELECTROLYTIC CONDENSER. LEWIS W. CHUBB, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 30, 1919. Serial No. 348,444. 8 Claims. (Cl. 175—315.)



1. The combination with an electrolytic condenser comprising a plurality of electrodes immersed in an electrolyte, of means for maintaining the capacitances of the condenser electrodes substantially equal, said means including a switch which is actuated when the voltage is unequally divided between the electrodes.

1,463,153. FAN STRUCTURE. NOBLE S. CLAY, Wilkesburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 9, 1920. Serial No. 415,767. 3 Claims. (Cl. 170—159.)

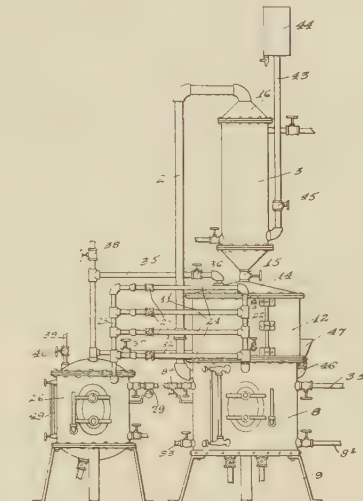


1. A fan blade comprising a body of flexible non-metallic material, a metallic bar secured to the inner end thereof, and a ring member on said bar.

1,463,154. EXTRACTION APPARATUS. EARL H. CUMMINS, Chicago, Ill., assignor to Dadant & Sons, Hamilton, Ill., a Partnership. Filed Nov. 15, 1920. Serial No. 424,194. 3 Claims. (Cl. 87—6.)

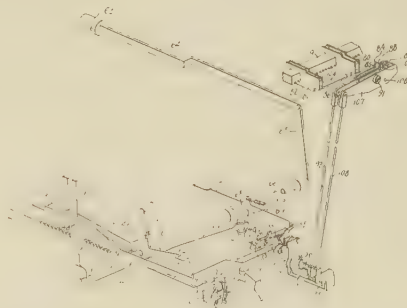
1. An extraction apparatus including a solvent receiving chamber adapted to be alternately heated and cooled, a condenser, means connecting the condenser with the solvent receiving chamber, a material receiving chamber connected to the condenser containing a

perforated crate and provided with heating coils and air-tight doors, a drum for receiving the solvent and



its dissolved material, and automatic siphon means and excess vapor escape means connecting the receiving drum with the material receiving chamber.

1,463,155. COMBINED TYPEWRITING AND COMPUTING MACHINE. FRANK K. DAVIS and CHARLES C. TAYLOR, Washington, D. C., assignors to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Nov. 21, 1921. Serial No. 516,625. 22 Claims. (Cl. 235—60.)



1. In a combined typewriting and computing machine, in combination, typewriting mechanism including numeral-keys and a traveling carriage, computing mechanism, normally set for addition, including a register, numeral-key-actuated means for indexing digits as typed, a general operator for actuating the register in accordance with the digits indexed, and subtraction-setting means, motor means for actuating said general operator, addition and subtraction stops mounted on said carriage a motor-trip-device engaged and actuated by said stops, during movement of the carriage in a letter-feeding direction, but past which the stops normally pass idly in the opposite direction, a subtraction-trip operable by said carriage only in letter-feeding direction, and means controlled by the subtraction-trip to render the motor-trip-device actuable by said stops when the carriage is backed across the machine.

12. In a power-operated computing machine, in combination, a carriage, an operating member mounted thereon, motor-trip mechanism including a lever having an abutment thereon and a tappet pivoted thereon and yieldingly pressed against said abutment, whereby said tappet, when engaged by said member in a letter-

feeding direction, will serve to actuate the lever, but, when engaged by the member in a reverse movement, will be swung about its pivot idly, and means to lock said tappet against the abutment to enable the lever to be actuated by said member when the latter is moving in the reverse direction.

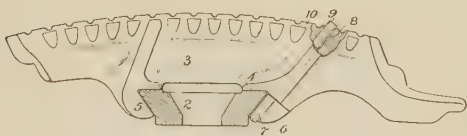
20. In a combined typewriting and computing machine, in combination, a carriage, a subtraction-trip device actuatable thereby, and a latching device normally held out of action by said subtraction-trip device, but effective thereon, upon operation of the latter, to co-operate therewith and hold it in actuated condition.

1,463,156. ARCH BRICK. GUY CARLETON DENNEY, Hinsdale, Ill., assignor to American Arch Company, a Corporation of Delaware. Filed July 20, 1920. Serial No. 397,619. 4 Claims. (Cl. 110—87.)



1. An arch brick member having along one edge an arch brick support engaging surface and having on its opposite edge a cut back portion having an inclined end surface and a projecting portion having an oppositely inclined end surface, the planes of said surfaces not intersecting within the body of the member and said portions being complementary whereby when a pair of such members are assembled in reversed relation they cooperate to form a brick, said inclined end surfaces being serrated or roughened.

1,463,157. STOKER GRATE. GEORGE W. EDWARDS, Berlin, N. H. Filed May 5, 1921. Serial No. 466,883. 5 Claims. (Cl. 110—40.)

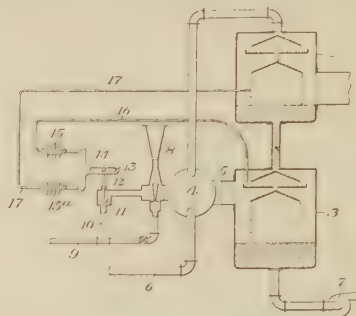


1. A key for a carrier bar of a stoker grate, comprising the body part whose upper portion constitutes the grate surface, said body part provided at its lower portion with a supporting surface terminating at one end in a lug adapted to engage a dove-tail support and also having an oblique hole extending downward from the upper surface of the body of the key said hole having its obliquity oppositely directed to the obliquity of the lug, combined with an oblique locking pin fitting the oblique hole and said pin arranged at an angle to the engaging surface of the lug and forming therewith a dove-tail recess for engaging a dove-tail portion of the carrier bar.

1,463,158. SYSTEM FOR REMOVING AIR AND GASES FROM WATER. RAYMOND N. EHRHART, Pittsburgh, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 5, 1920. Serial No. 386,834. 18 Claims. (Cl. 183—2.5.)

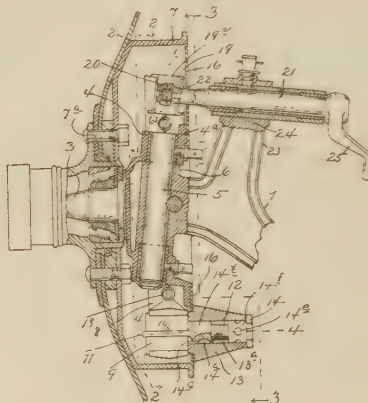
1. In the treatment of liquid for the removal of air and gases therefrom, the method which consists in evaporating a portion of the liquid to be treated, exhausting the vapors and gases from the evaporator through a con-

denser, and definitely varying the action of the exhausting means to thereby maintain the rate of evaporation substantially constant, substantially as described.



denser, and definitely varying the action of the exhausting means to thereby maintain the rate of evaporation substantially constant, substantially as described.

1,463,159. BRAKE. EDWIN R. EVANS, Detroit, Mich. Filed Dec. 16, 1922. Serial No. 607,341. 15 Claims. (Cl. 188—194.)

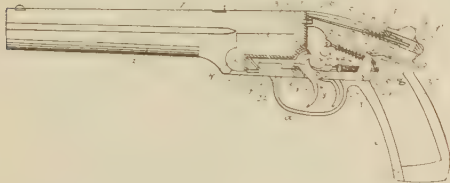


2. In a brake mechanism, the combination with a vehicle wheel, and a brake drum carried by said wheel, of a journal member for said wheel, a mounting for said journal member adapting the same for a steering movement about a swivel axis substantially transverse to that of the journal member, a pair of complementary brake shoes interiorly coacting with said drum, a pivotal mounting for corresponding extremities of said brake shoes, the other extremities of said shoes being formed with complementary substantially semi-cylindrical radial channels, a rock shaft substantially transverse to said swivel axis, a cam upon said shaft engaging in said channels of the brake shoes, said cam being centered in substantial alignment with said swivel axis and being elongated transversely of said shaft the ends of said cam established by said axis being spherically rounded, and means for rocking said cam upon an axis transverse to its major axis.

1,463,160. FIREARM. EUGENE A. FAIRBANKS, Holland, Mich. Filed June 19, 1922. Serial No. 569,438. 4 Claims. (Cl. 42—41.)

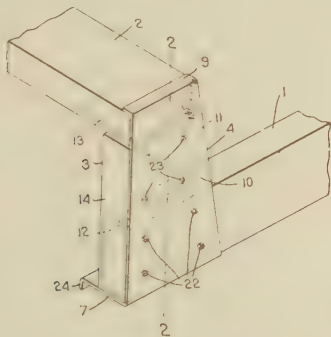
1. In combination with the barrel, the breech and the hammers and the hammer actuating mechanism of a breech loading fire arm, a trigger pivotally mounted in position to hold the hammer in "cocked" position, a locking bolt having an upper short arm and a longer lower arm forming a slot between them, said bolt mounted upon the trigger plate in position to be made to slide longitudinally so the catch on the hammer will be made to enter the slot in the locking bolt and the end of the

trigger body will be secured under the longer arm of the locking bolt head, a spring for forcing the locking bolt into contact with the catch on the head and over the end of the trigger body, a thumb slide mounted upon the breech of the gun and having a downwardly extending body thereon, an incline and a ledge formed upon the lower end of said body, a bell crank lever pivotally mounted so one arm of said lever will contact with the



incline and ledge, and the other end will engage the end of the locking bolt in such a manner that when the thumb slide is slid forwardly the lever will draw the bolt out of contact with the hammer and the trigger, and when the thumb slide is slid backwardly the end of the lever will slide downwardly upon the incline and allow the locking bar to be forced into contact with the catch on the hammer and the end of the trigger body to lock the hammer in "cocked" position.

1,463,161. MATTRESS FRAME. FRANCIS G. GALE, Waterville, Quebec, Canada. Filed Nov. 12, 1921. Serial No. 514,575. 2 Claims. (Cl. 5—206.)



1. In a mattress frame, the combination with a side rail and an end rail, of a corner fastening connecting said rails and comprising one member rigidly secured to the side rail and having a portion to close the end of the end rail and another section rigidly secured to the end rail and having a portion to close the end of the side rail, said sections being secured together.

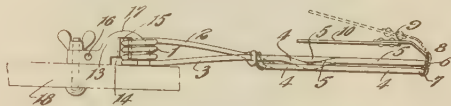
1,463,162. SIDELAMP. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Sept. 18, 1922. Serial No. 588,794. 2 Claims. (Cl. 240—7.)



1. In a lamp, the combination of a cylindrical glass body having a closed forward end, a light bulb within the cylindrical body, a substantially cylindrical case enclos-

ing the cylindrical body and having an end to close the open end of the body, said case having openings in its cylindrical portion to permit the passage of light rays, a detachable ring at the open end of the case to hold the glass body therein, and means mounted within the case at its closed end to support the light bulb, comprising a flanged disk fitting the open end of the glass body, a connector sleeve mounted in the disk to support the bulb, and a spring between the disk and the end of the case to press the disk against the end of the body.

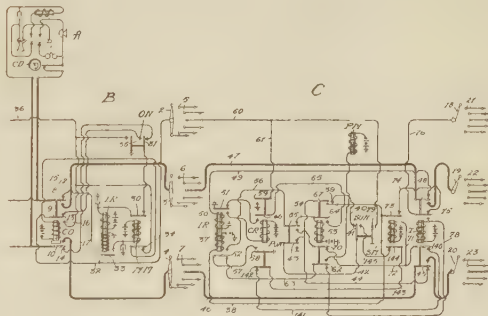
1,463,163. ANIMAL TRAP. MILFRED L. GREENSTREET and WALLACE DAY, Maplewood, Mo., assignors of one-third to May B. Cornwall, St. Louis, Mo. Filed Sept. 9, 1922. Serial No. 587,133. 5 Claims. (Cl. 43—86.)



1. In an animal trap, a pair of rings adapted to be superimposed, means for thrusting said rings apart transversely of their axes, a radial shoulder formed on one of said rings facing in the direction of movement of said ring, a trigger pivoted to the corresponding portion of the other ring having an edge facing in the direction of movement of the ring and adapted to engage said shoulder when said rings are superimposed, and an element on said trigger, extending over the center of the ring, to be engaged by an animal passing through the ring in one direction only to disengage said trigger from said shoulder.

3. In combination, a trap including a spring coil and an attaching member insertable within said coil and having a recess adapted to receive a portion of said coil to retain the trap in a desired position relative to a mounting surface.

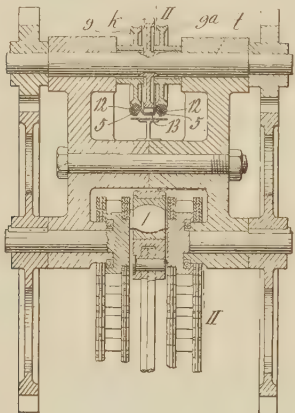
1,463,164. TELEPHONE SYSTEM. HARRY H. IDE, La Grange, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1919. Serial No. 313,799. 35 Claims. (Cl. 179—18.)



1. An automatic numerical selector switch of the character described controlled over the two sides of the line in series, provided with only four operating relays, a pair of motor magnets, one of said relays and one of said magnets being adapted to be included in a vibratory circuit arrangement, test means including said relay included in said vibratory circuit for controlling the oper-

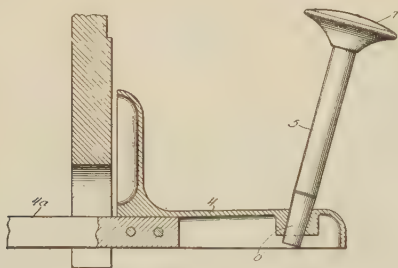
ating circuit of the other of said magnets, and restoring means including said last magnet whereby said last magnet operates to release said numerical switch to normal.

1,463,165. FLEXIBLE SUPPORTING MEANS SUITABLE FOR USE IN SUSPENSION TRANSPORTER ARRANGEMENTS AND FOR OTHER PURPOSES. ALEXANDER GEORGE MACKENZIE JACK, Sheffield, England. Original application filed Dec. 8, 1919, Serial No. 343,439. Patent No. 1,417,070, dated May 23, 1922. Divided and this application filed May 1, 1922. Serial No. 557,790. 14 Claims. (Cl. 104—112.)



1. A flexible trackway comprising a plurality of short metal sections flexibly connected endways and provided with teeth to form a rack, the sections being interlocked in a longitudinal direction so that they cannot move apart endways.

1,463,166. PEDAL DEVICE FOR PIANOS AND FOR OTHER PURPOSES. BENJAMIN H. JEFFERSON and WALTER I. KIRK, Chicago, Ill., assignors, by mesne assignments, to Lyon & Healy, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 15, 1919. Serial No. 297,378. 1 Claim. (Cl. 74—81.)

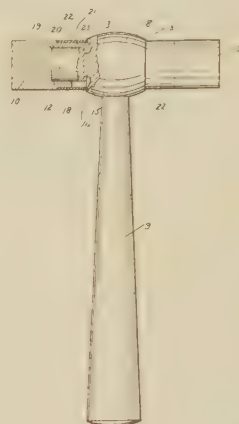


A pedal provided with a pressing surface for the foot and having an aperture in said surface and a pin having its lower end fitted detachably into said aperture and its upper end constructed to provide another pressing surface for the foot.

1,463,167. HAMMER. HENRY E. KEYES, Philadelphia, Pa. Filed Oct. 7, 1922. Serial No. 592,981. 5 Claims. (Cl. 145—29.)

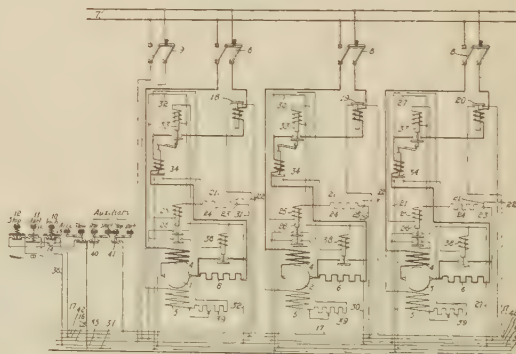
1. A hammer head provided with a shoulder and a projection undercut at the shoulder, and a detachable strik-

ing face provided with a socket which fits over the projection and which has a series of longitudinally projecting



lugs of relatively soft and ductile material which are locked upon the said projection by impact against the said shoulder.

1,463,168. SYSTEM OF CONTROL. REESE T. KINTZING, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 27, 1920. Serial No. 419,874. 12 Claims. (Cl. 172—179.)

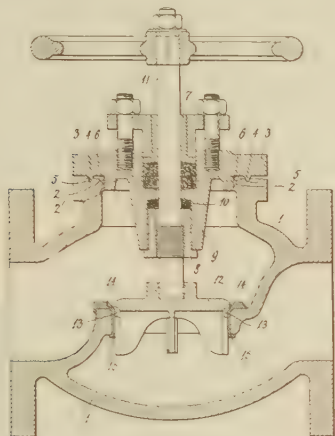


2. In a motor-control system, the combination with a plurality of motors mounted in tandem having control circuits common to all the motors, of a plurality of voltage relays connected in parallel relation in said control circuits, and a plurality of overload relays connected in series relation in said control circuits.

1,463,169. VALVE. KARL LÖWINGER, Moravska Ostrava, Czechoslovakia. Filed Feb. 23, 1921. Serial No. 447,104. 1 Claim. (Cl. 251—155.)

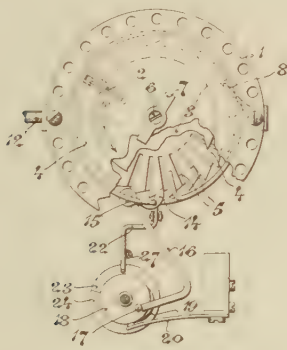
A valve comprising a casing and a cover therefor, said casing having in its upper face a beveled surface extending

inwardly and forming with said cover an annular space, and a packing ring in said space adapted to be pressed



against said beveled surface by the pressure exerted by said cover, so as to form a tight-joint between said cover and said casing.

1,463,170. AUTOMATIC ELECTRIC METER. MATHIAS ODIN SEVERIN MADSEN, Aarhus, Denmark, assignor to Otto Kristian Heesch, Aarhus, Denmark. Filed Nov. 4, 1922. Serial No. 599,133. 3 Claims. (Cl. 194—11.)

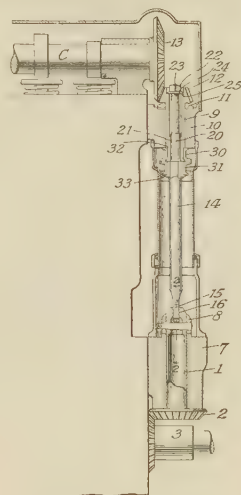


1. Stop mechanism for an electric meter having coin controlled mechanism of the type described, comprising a rotary cylinder, a spring for rotating the cylinder in one direction, a contact piece on the cylinder, a contact member capable of engaging said contact piece when the cylinder is in one position and the circuit is closed, and coin controlled means for moving the cylinder to bring the contact members into engagement with each other comprising a shaft, an arm secured to the shaft and capable of extending into the path of the coin in the coin controlled mechanism, a second arm fixed on the same shaft, and a projection on the end of the cylinder and extending into the path of the said second arm, so that the said spring acting upon the cylinder holds the first mentioned arm in the path of the coin when the contacts are out of engagement, and the movement of the coin operates the said arms and projection to bring the contacts into engagement with each other.

1,463,171. VALVE-OPERATING MECHANISM. GEORGE J. MEAD, Glen Rock, N. J. Filed May 9, 1921. Serial No. 468,057. 7 Claims. (Cl. 64—90.)

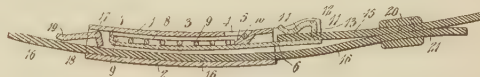
1. A releasable driving connection, comprising drive and driven shafts, one of said shafts having an extension,

cooperating radially toothed clutch members on said extension and the other shaft respectively, means for sliding



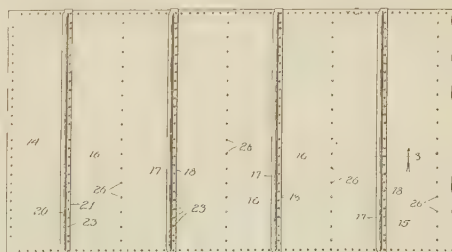
said extension so as to bring said clutch members into and out of engagement, and releasable means for retaining said clutch members in engaging position.

1,463,172. BELT ATTACHMENT. SAMUEL NEWMAN, Cincinnati, Ohio. Filed July 24, 1922. Serial No. 577,067. 2 Claims. (Cl. 24—74.)



1. A belt attachment comprising a tubular casing to be fastened to one belt end part, a slide to be fastened to another belt end part, guided by the top and bottom of said casing and having rear lengthwise flanges and a rear projection near its end remote from its fastening to the belt end part, said casing having, near its end adjacent to the slide fastening, a tongue projecting forwardly from its back and projecting toward said slide projection, and having an opening in said back adjacent to said tongue, and a sinuated spring with its loops loosely confined to said slide by said flanges and having one end engaging with the slide projection and its opposite end engaging behind and against said tongue whereby said slide is held back against the back of said casing, and adapted to be disengaged from said tongue by an instrument inserted through said opening in said back, to permit disassembly of the attachment.

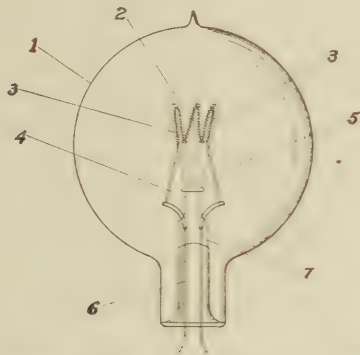
1,463,173. BOX CAR. OSTRANDER J. PARKS, River Forest, Ill., assignor to General American Tank Car Corporation, Chicago, Ill., a Corporation of West Virginia. Filed Apr. 4, 1921. Serial No. 458,181. 1 Claim. (Cl. 108—54.)



A roof structure comprising, in combination, a relatively rigid metal plate having a corrugation of substantially cylindrical outline adjacent one edge thereof, and a horizontal

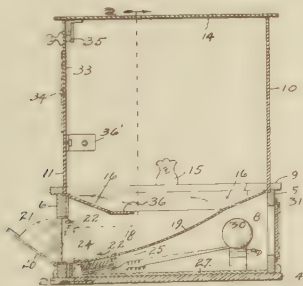
ed to be interchangeably secured to said support or said lever and flexible means connecting said lever and saddle and passing over said sheaves, whereby when the muscular strength of said patient is exerted upon said lever said saddle will be raised.

1,463,178. ELECTRIC INCANDESCENT LAMP. BENJAMIN E. SHACKELFORD, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 9, 1918. Serial No. 221,360. 8 Claims. (Cl. 176—16.)



1. An electric signal lamp comprising a substantially spherical envelope filled with hydrogen, at a substantial pressure, a concentrated tungsten filament therein mounted near the center of the envelope, capable of rapid incandescence and extinction when responding to a series of current impulses and thus adapted for producing in rapid succession, light flashes substantially synchronized with current impulses.

1,463,179. DISPLAY-CASE WARMER. ALBERT G. STEPHENS, Indianapolis, Ind. Filed July 5, 1921. Serial No. 482,312. 3 Claims. (Cl. 34—21.)

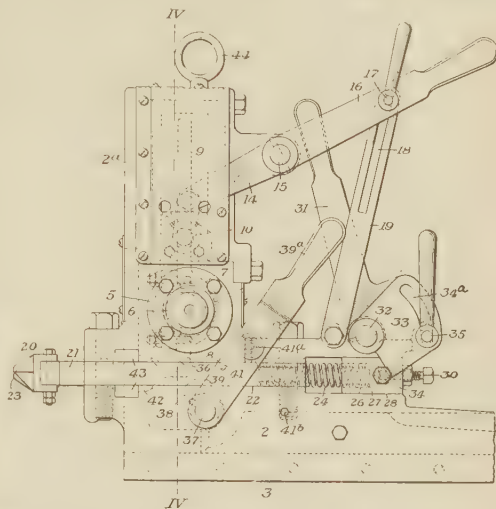


1. In a display vending and warming-case, a glass receptacle, a hopper having a discharge opening through which the receptacle discharges through said hopper, a plate extending inwardly of the hopper from the inner rear edge of the hopper, a curved side and bottom against which the hopper discharges and which in part define a trough, said trough having a discharge at one side of the hopper discharge, a hinged closure for the trough discharge, and a heating element under said trough discharge adjacent said closure to warm the vended product.

1,463,180. HAMMERING APPARATUS. WILLIAM Y. STROH and GEORGE W. KLAGES, Pittsburgh, Pa. Filed Jan. 24, 1920. Serial No. 353,665. 13 Claims. (Cl. 78—27.)

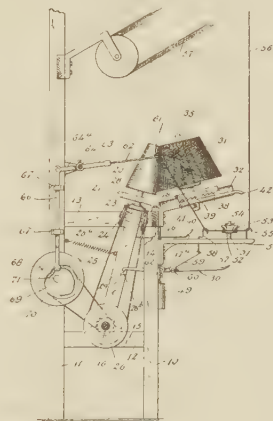
1. Hammering apparatus comprising a plurality of reciprocating plungers, a hammer element carried by each of said plungers, a spring for each plunger arranged to

impart a striking blow thereto, and an eccentric shaft having a plurality of eccentrics at different angles, to-



gether with eccentric straps provided each with a toe adapted to engage and retract one of the plungers, substantially as described.

1,463,181. WINDING AND REELING DEVICE. WILLIAM VORDERWINKLER, Roselle, N. J. Filed May 11, 1922. Serial No. 560,025. 7 Claims. (Cl. 242—37.)



1. A device of the character described comprising a stationary frame, a bobbin mounted on said frame, a movable frame, driving means carried by said movable frame, a pivoted lever adapted to engage said movable frame and hold said driving means in engagement with said bobbin, means to guide a thread under tension to said bobbin, and counterbalancing means adapted to drop upon said lever when the tension of said thread is released whereby said lever will be disengaged from said movable frame.

1,463,182. SAFETY DEPOSIT BOX. JOSEPH VOSS, Manitowoc, Wis. Filed June 22, 1922. Serial No. 570,063. 3 Claims. (Cl. 109—12.)

1. In combination with a safety deposit box having a door and a lock secured to the inner side of the door, a sliding plate mounted on the inner face of the lock, a connection between the plate and a movable portion of the lock mechanism whereby the locking plate may be moved into projected and retracted positions upon the opening and closing of the lock, said plate having recesses in the lateral portions thereof, and stops secured to the inner faces of the box in position to align with

the recesses of the plate when the latter is retracted and adapted to be out of line with the recesses when the

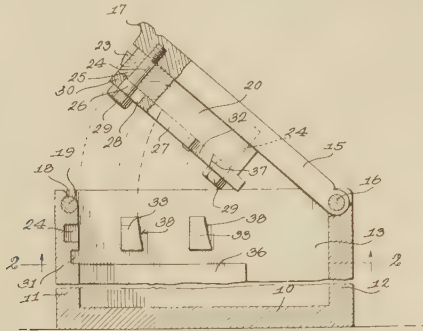
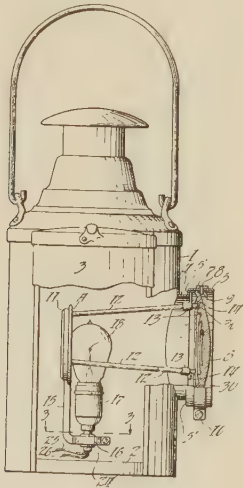


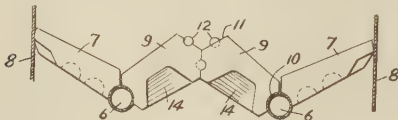
plate is projected, whereby said stops are adapted to engage the intermediate portions of the plate to prevent opening of the door.

1,463,183. LAMP. SELDEN G. WARNER, West Orange, N. J., assignor to New Jersey Patent Company, West Orange, N. J., a Corporation of New Jersey. Filed Feb. 24, 1920. Serial No. 360,697. 8 Claims. (Cl. 240—37.)



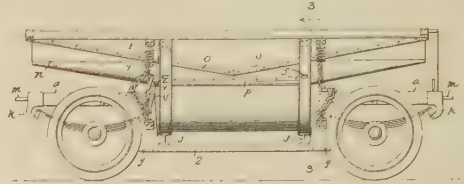
1. In combination, a semaphore lens, a lamp fixture comprising a tripod the legs of which are rigidly positioned at one end in one of the annular grooves of the lens, said fixture being thus supported directly and solely from said lens, and a lamp mounted on said fixture, substantially as described.

1,463,184. FIRE-BRICK ARCH. ALFRED H. WILLETT, West New York, N. J., assignor to American Arch Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 4, 1918. Serial No. 265,191. 9 Claims. (Cl. 110—87.)



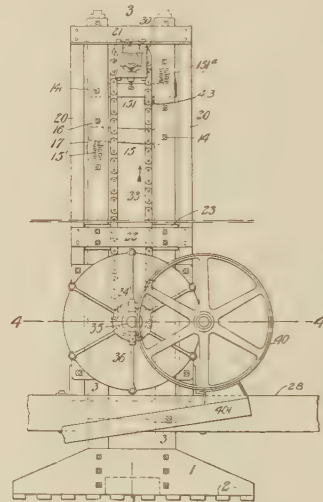
1. A tube supported fire brick arch construction comprising a series of pairs of invertible bricks supported between two tubes, said bricks in each pair being inclined toward and resting against each other and each brick having at the meeting end two oppositely inclined supporting surfaces constructed to permit the bricks to be rested against each other either face upward.

1,463,185. DUMP BODY. JAMES G. WINSOR, Detroit, Mich. Filed May 21, 1919. Serial No. 298,705. 11 Claims. (Cl. 298—10.)



1. The combination of a vehicle frame having a portion below the tops of the wheels, a hopper having a main portion which can dump clear of the wheels between the wheels, and one or more end extensions whose bottoms are considerably raised above the bottom of the main portion for the purpose of clearing the top of the wheel or wheels and underneath rockers supporting the hopper upon the frame and shaped to carry the hopper out to the side of the frame in dumping.

1,463,186. TRAMPER FOR COTTON PRESSES. BRONSON C. WOODFORD, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed Apr. 7, 1921. Serial No. 459,358. 4 Claims. (Cl. 100—25.)



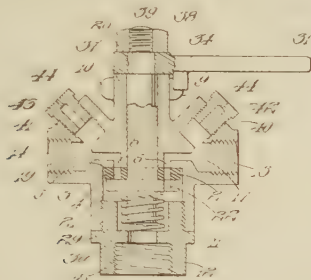
1. In a cotton press, a frame made up of opposite sides; sprocket wheels separately mounted at each end of each side opposite and in axial alignment with the other separately mounted sprocket wheel; endless sprocket chains connecting the sprockets on each side; a plunger head having a stem between the two sides; a pair of actuation bars secured cross-wise of the stem and extending between the chains; an actuating member connecting the chains and extending between the cross bars; means to rotate the sprockets; all combined to cause the plunger head to be reciprocated by the continuous revolution of the sprocket chains.

1,463,187. [WITHDRAWN.]

1,463,188. ENGINEER'S VALVE FOR PNEUMATIC SANDERS. JOHN R. ALLAN, Boston, Mass., assignor to Hanlon Locomotive Sander Company, Winchester, Mass., a Corporation of Massachusetts. Filed Feb. 6, 1922. Serial No. 534,284. 8 Claims. (Cl. 291—16.)

2. In a valve of the character described, a valve body having a valve seat in a plane at substantially right angles to the axis of the valve body, a gasket secured

thereto, a rotary stem which extends through the gasket and valve seat, an air discharge passage which extends upwardly through the gasket and valve seat into the said body, and thence extends outward through the side wall of the valve body to form a discharge outlet, said valve



stem having a shoulder portion which engages said gasket, said shoulder portion of the stem having a hole therethrough which is adapted to be brought into and out of alignment with the passage through the gasket and valve seat by rotating the valve stem and which is always open at its lower end to a source of air supply.

1,463,189. TEMPERATURE-INDICATING DEVICE. CAREY W. BAKER, St. Catharines, Ontario, Canada, assignor to Packard Electric Company, Limited, St. Catharines, Canada. Filed May 17, 1922. Serial No. 561,773. 5 Claims. (Cl. 116—114.)

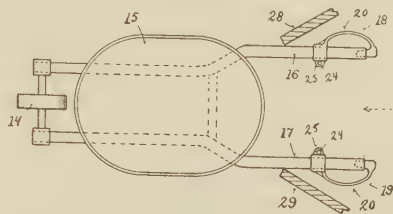


1. In a temperature indicating device, the combination of a rotatably mounted shaft; heat actuable means adapted to rotate said shaft; indicating means; a member rotatably mounted on said shaft and adapted to actuate said indicating means in one direction; and a second member connected with said shaft, said second mentioned member being adapted to engage and actuate the first mentioned member but being free to return to normal position without said first mentioned member.

1,463,190. METHOD OF MAKING BENZOIC ACID AND SALTS THEREOF. EDWIN O. BARSTOW, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Mar. 11, 1920. Serial No. 365,082. 5 Claims. (Cl. 260—108.)

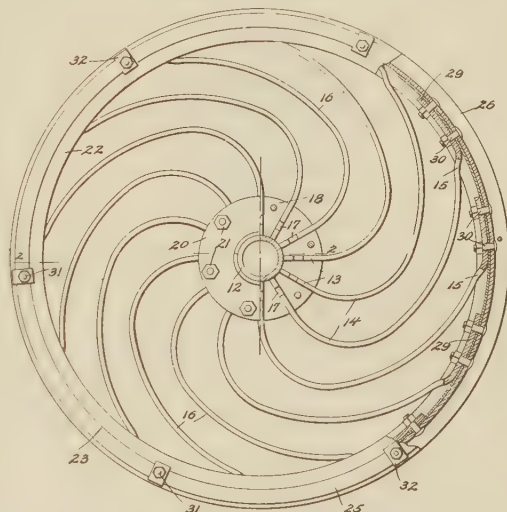
3. In a method of making benzoic acid and salts thereof, the step which consists in oxidizing benzyl chloride to the acid by means of bleaching powder in the presence of water and excess lime, such oxidizing step being conducted under pressure.

1,463,191. WHEELBARROW-HANDLE GUARD. GIDEON C. BATTEN, Cincinnati, Ohio. Filed May 27, 1921. Serial No. 473,180. 4 Claims. (Cl. 280—150.)



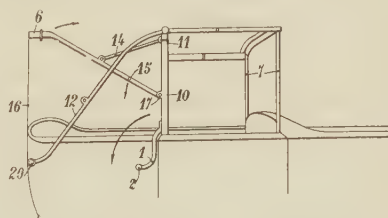
1. As a new article of manufacture a guard for wheelbarrow handles extending from the handle bar at one end in a loop to the handle-bar at the guard's opposite end and provided at one end with a clamping member to be clamped upon the exterior of the handle bar.

1,463,192. SPRING WHEEL. WILLIAM JAKOB BEISEL, Port Richmond, N. Y. Filed Dec. 7, 1921. Serial No. 520,578. 7 Claims. (Cl. 152—50.)



1. A spring wheel comprising in combination a hub, a continuous rim and a series of flat metal spring spokes constituting the sole means connecting and preserving the relations of said hub and rim having radial inner end portions secured in the hub, and laterally curved near the hub on the arc of a circle for approximately 90° and beyond that point similarly curved on the arc of a circle of materially greater diameter and having outer end portions fitting longitudinally and secured to the rim, the said curved portion of each spoke being on one side of the radial plane of its inner end and extending in the same direction peripherally of the wheel.

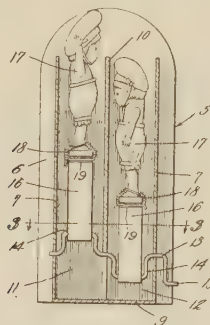
1,463,193. COLLAPSIBLE AUTOMOBILE TOP. JACQUES BOTELLA, Paris, France. Filed Mar. 8, 1922. Serial No. 542,092. 6 Claims. (Cl. 296—116.)



1. In a hood for motor vehicle, a front hoop supporting the hood and the ends of which are connected by pivoted links to two uprights about midway of the height of

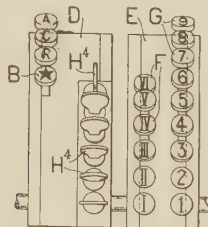
these uprights, said uprights being pivoted at their lower ends to the rear face of the back of the driver seat in order to be capable of being brought down parallel to the said rear face, rear door uprights the lower ends of which rest on the elbow rests and are connected with extensions movable about an axis at right angles to the side faces of the carriage body,—means for displacing the axis of rotation of the said extension in order to allow the rear door uprights to be brought down outside the carriage and below the plane of the elbow rests,—and means for connecting the skeleton work of the hood to the rear hoop supporting the latter, so as to permit the spacing of the said skeleton work at the same time as that of the rear door uprights.

1,463,194. FIGURE TOY. FRANK BOWEN, Monett, Mo. Filed Aug. 20, 1921. Serial No. 493,835. 1 Claim. (Cl. 46—40.)



A toy including a container, a partitioning member in the container dividing the same into compartments, crank arms supported at the base of the compartments, base members having connection with the crank arms and having grooves formed adjacent to their upper ends, figured members supported on the bases, and flexible securing means embracing portions of the figured members and lying in the grooves to prevent displacement thereof.

1,463,195. CASH REGISTER. ERNST BREITLING and EDUARD OSTMEYER, Essen, Germany, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed May 13, 1922. Serial No. 560,603. 3 Claims. (Cl. 235—6.)



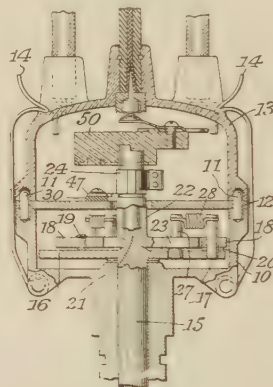
1. A cash register comprising a plurality of groups of setting members and an operating mechanism, a member in the operating mechanism mounted for oscillatory setting movement, a shiftable member adapted to be moved into and out of the path of the said oscillatory member and to form a stop for the latter, the shiftable stop member being adapted to be moved into a position preparing its operative position with relation to the oscillatory member by actuating a member of one of the groups of setting members and allowed to be moved into its final operative position by actuating a member of another of the groups of setting members, the stop member when in its operative position being adapted to limit the setting movement of the oscillatory member of the operating mechanism.

1,463,196. ROLLER AND BALL BEARING AXLE STRUCTURE. FRED J. COCHRAN, Mount Vernon, Ill. Filed Aug. 30, 1922. Serial No. 585,303. 4 Claims. (Cl. 295—44.)



4. In a roller and ball bearing axle structure, an axle proper, a sleeve mounted thereon, bearing rollers interposed between the sleeve and the axle, a cap mounted upon the axle and having a body portion adapted to limit the longitudinal movement of the bearing rollers, bearing balls interposed between the cap and the sleeve, a band mounted upon the axle and provided at its edge with several sets of slots which vary in length, the inner face of the band bearing against the end of the cap and a pin passing through the axle and having its end portion received in oppositely disposed slots of the band.

1,463,197. IGNITION APPARATUS. OLIVER F. CONKLIN, Detroit, Mich., assignor to Remy Electric Company, Anderson, Ind., a Corporation of Indiana. Filed Sept. 19, 1917. Serial No. 192,057. 12 Claims. (Cl. 200—22.)



2. A timer for ignition apparatus comprising a rotatable cam, a breaker lever fulcrumed at an end remote from the timer cam and having a block at the opposite end disposed obliquely to the plane of the breaker lever, said block adapted to rub on said rotatable cam and extending substantially tangential thereto, a stationary contact, and a cooperating movable contact disposed on the breaker lever between the fulcrum and the block, and a retractile coil spring attached to the breaker lever intermediate the contacts and the fulcrum thereof for maintaining the rubbing block in proximity to the cam and the contacts normally closed except when opened by the cam, for maintaining the lever upon its fulcrum in either the open or closed position of the contacts; and a flexible strap connected to a fixed part and to the lever, said strap operating in conjunction with the operation of the cam upon the block to maintain the lever upon its fulcrum.

1,463,198. BOTTLE STOPPER. VICTORIA E. DANCE, Hamilton, Ohio. Filed Sept. 1, 1921. Serial No. 497,688. 3 Claims. (Cl. 215—51.)

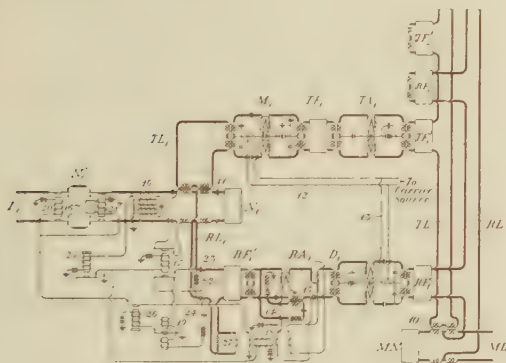
1. A dish shaped imperforate bottle stopper having a tongue to project from one face thereof and to serve as a handle to remove the stopper, said tongue being

wider at its base than at its free end and being normally seated in a recess in the face of the stopper with its outer face flush with one face of the stopper and adapted to be lifted out of said recess and grasped to



remove the stopper from the bottle, the slit separating said tongue from the stopper being outwardly turned at the base of the tongue to substantially right angles to the axis of the tongue to cause the root of the tongue to be its point of maximum strength.

1,463,199. RINGING ARRANGEMENT FOR MULTIPLEX CIRCUITS. JOHN DAVIDSON, Jr., Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 24, 1919. Serial No. 325,823. 8 Claims. (Cl. 179-4.)

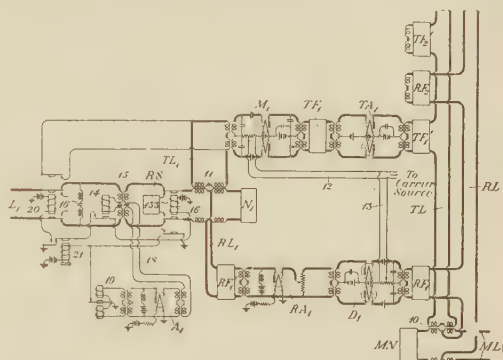


1. In a multiplex carrier system, a low frequency signaling circuit, a circuit for the transmission of alternating carrier currents, outgoing and incoming carrier channels for interconnecting said circuits, said channels including means for translating signaling currents into carrier currents, and vice versa, a relay responsive to ringing current incoming from the signaling circuit for applying signaling currents to the outgoing carrier channel associated with said circuit, a relay responsive to signaling currents transmitted from the carrier transmission circuit to the incoming carrier channel associated with said signaling circuit for applying ringing current to said signaling circuit, and means whereby when one of said relays is operated the other relay is prevented from operation.

1,463,200. RINGING ARRANGEMENT FOR MULTIPLEX CIRCUITS. JOHN DAVIDSON, Jr., Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 24, 1919. Serial No. 325,824. 8 Claims. (Cl. 179-4.)

2. In a multiplex carrier system, a signaling circuit, a circuit for the transmission of alternating carrier currents, outgoing and incoming carrier channels interconnecting said circuits, said channels including means for translating signaling currents into carrier currents, and vice versa, means responsive to ringing current incoming from said signaling circuit for applying ringing current to said outgoing channel, an amplifier in said incoming channel for amplifying signaling current, a

second amplifier associated with said channel for amplifying ringing currents, and means responsive to ampli-



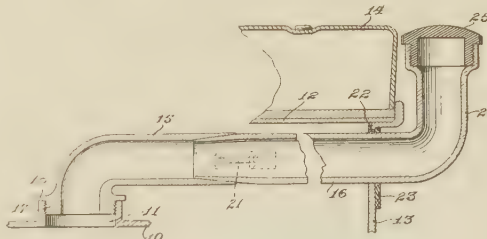
fied ringing currents incoming from said carrier transmission circuit for applying ringing currents to said signaling circuit.

1,463,201. DRIVING MECHANISM FOR TRANSVERSE SUPPORTS OR SLIDES IN REVOLVER LATHES, SEMIAUTOMATIC LATHES, AND THE LIKE. FRITZ DEURING, Munchen-Gladbach, Germany. Filed Aug. 28, 1920. Serial No. 406,713. 3 Claims. (Cl. 74-14.)



1. In a mechanical movement of the class described, a reciprocating rack, a sleeve fixed to said rack, a cylindrical cam member within said sleeve, a driving member coupled with said cam member and means for intermittently coupling said sleeve with said cam member to actuate said driving member, said sleeve normally sliding over said cam member.

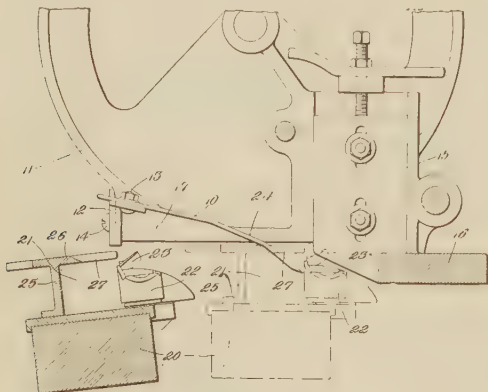
1,463,202. EXTENSION FILLER PIPE. WILLIAM J. DOUGLAS, Numa, Iowa. Filed Aug. 24, 1921. Serial No. 494,990. 1 Claim. (Cl. 220-86.)



The combination with a vehicle seat having a counter, and a fuel tank located beneath the seat and provided with a customary filling opening accessible when the seat is removed for filling the tank, of an accessory extension filler pipe connected to the tank without structural change therein and including a sectional tube comprising a short section having a terminal head threaded into said filling opening and another longer section extending through the counter mating with said first mentioned section whereby the tank may be filled through said tube without displacing the seat, and means detachably connecting said sections, said first mentioned section terminating short of the counter whereby the longer section may be disconnected from the shorter section and the shorter section individually rotated for connecting such section with the tank.

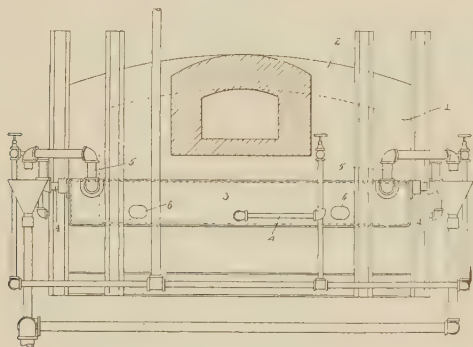
1,463,203. FILLING-END CONTROLLER FOR LOOMS.

CLARE H. DRAPER, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Oct. 26, 1921. Serial No. 510,489. 7 Claims. (Cl. 139—258.)



1. A filling replenishing loom having, in combination, a lay, weft replenishing mechanism, a filling end controller consisting of a slender rod supported at its rear end and extending forwardly and downwardly to a point less than the distance to which the filling is moved by the lay acting to lift the filling on the next backward movement of the lay to a position above the field of movement of the shuttle box.

1,463,204. WATER JACKET. LOUIS C. DREFAHL, Lakewood, and WHITFIELD R. CARSON, South Euclid, Ohio, assignors to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 6, 1919. Serial No. 343,095. 1 Claim. (Cl. 263—44.)



In a silicate of soda furnace the combination of a furnace chamber adapted to receive and melt a mixed charge of materials, said chamber having its walls about its upper and lower portions formed of refractory material, a narrow belt of water jackets disposed at an intermediate point in the inner walls of said furnace between said upper and lower sections of refractory material, said water jacketed section being disposed in contact with the material to be melted and at the normal flux line of the molten charge and extending a slight distance above and below the same.

1,463,205. BOBBIN. FRANK EDMANDS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 18, 1922. Serial No. 554,363. 3 Claims. (Cl. 242—120.)



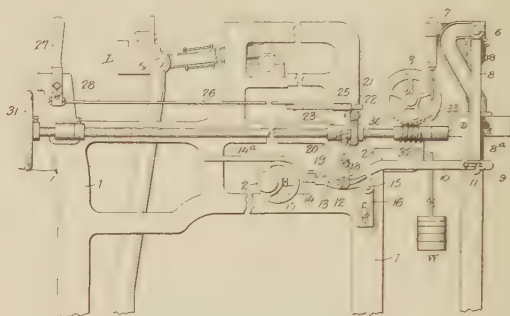
1. A bobbin having a metallic bushing within its bore, the bore of the bobbin having inner and outer inclined

shoulders, and the bushing having a bevelled inner end and an outer inclined flange to fit said shoulders respectively, and the external periphery of the bushing having peripheral grooves and rows of angularly extending incisions, each incision having along one edge an outwardly projecting burr.

1,463,206. CATALYST AND PROCESS OF MAKING SAME. HARRY D. GIBBS, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed May 7, 1920. Serial No. 379,545. 5 Claims. (Cl. 23—28.)

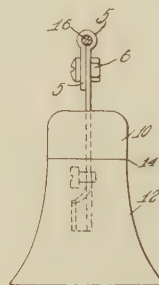
1. A process of producing a catalyst which comprises impregnating infusorial earth with molten vanadic oxide.

1,463,207. LET-OFF MECHANISM FOR LOOMS. ROBERT H. GILFILLAN, New Holland, Pa., assignor to Storb, Snader & Company, New Holland, Pa., a Corporation of Pennsylvania. Filed Aug. 18, 1921. Serial No. 493,291. 5 Claims. (Cl. 139—110.)



1. In a loom, a warp beam, a shaft extending lengthwise of the loom geared to the warp beam, a handwheel on said shaft at the front of the loom, a ratchet on the shaft between the handwheel and the warp beam for letting off, a lever pivoted on the shaft, pawls on the lever engaging the ratchet, a cam slidably mounted on said lever and adapted to render said pawls inoperative, and a hand lever at the front of the loom connected to said cam, substantially as set forth.

1,463,208. CONNECTION PROTECTOR. EDGAR C. GNAU, East Aurora, N. Y. Filed Dec. 3, 1921. Serial No. 519,729. 1 Claim. (Cl. 173—324.)

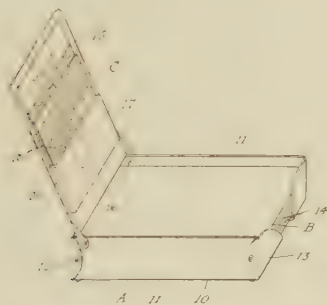


A shield for electric connections including a supporting wire, an upper section including a length of metal having one end thereof bent upon itself to grip the supporting wire, a cap forming a part of the upper section, the length of metal extending below the lower edge of the cap and having its lower extremity bent to grip a wire to secure the wire to the length of metal, a bell-shaped lower section having bayonet slots formed at a point adjacent to the upper end thereof, lugs extending inwardly from the cap and adapted to move into the slots for securing the lower section to the cap, the lower section having a shoulder engaging the lower edge of the cap to restrict movement of the lower section, and said lower section having an upper reduced extremity adapted to fit into the cap to provide a fluid-tight connection.

1,463,209. PROCESS FOR THE MANUFACTURE OF ACETIC ACID. JOHN E. HAGGENMACHER, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 16, 1922. Serial No. 607,423. 13 Claims. (Cl. 260—118.)

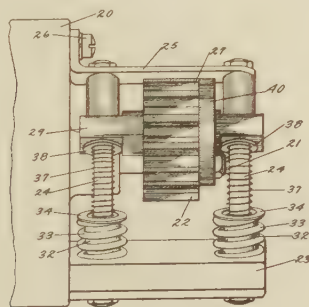
13. Process of making acetic acid which comprises successively distilling batches formed by mixing calcium acetate, hydrochloric acid and a solution of acetic acid under reduced pressure, cutting the distillate into a first concentrated acetic acid fraction and a later dilute acetic acid fraction, and using the said dilute acetic acid fraction from the distillation of each batch in the preparation of each next succeeding batch.

1,463,210. CALENDAR-PAD RETAINER. BLAINE H. HARRIS, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed June 23, 1921. Serial No. 479,858. 3 Claims. (Cl. 129—1.)



1. In combination with a desk pad holder having a cover hingedly secured thereto, a calendar pad pocket on said cover and means associated with said pocket adapted to hold the calendar pad therein against freely sliding out of said pocket.

1,463,211. ENGINE-STARTER GEARING. MAX L. HILLMER and LESLIE O. PARKER, Anderson, Ind., assignors to Remy Electric Company, Anderson, Ind., a Corporation of Indiana. Filed June 24, 1921. Serial No. 480,172. 3 Claims. (Cl. 74—7.)

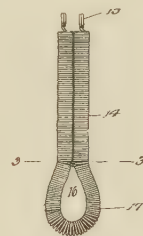


1. In automatic gearing for engine starters, the combination with an engine gear and a motor pinion; of an idle gear meshing with the pinion; an idle gear shaft; guide rods over which said shaft may slide toward the engine gear and may move laterally with respect to said rods; buffer springs surrounding said rods for yieldingly limiting the motion of said shaft; and springs surrounding said rods and interposed between said shaft and a stationary part for yieldingly maintaining said shaft in normal position.

1,463,212. PROCESS FOR THE MANUFACTURE OF CONCENTRATED ACETIC ACID. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 15, 1922. Serial No. 607,201. 9 Claims. (Cl. 260—118.)

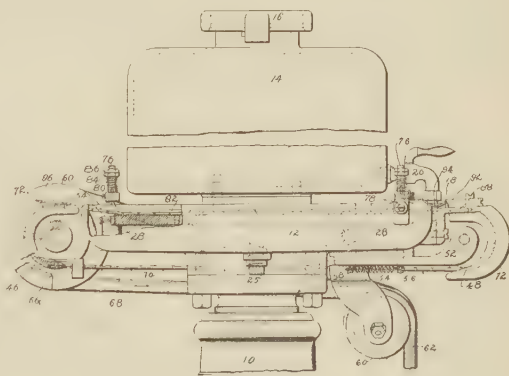
6. Process of making acetic acid which comprises, partially distilling the acetic acid content of a mixture formed by mixing calcium acetate, hydrochloric acid gas and water by indirectly heating said mixture, collecting a relatively concentrated acetic acid solution during said distillation, completing the distillation of the acetic acid content of said mixture by indirectly heating the same and blowing live steam therethrough, and separately collecting a relatively dilute solution of acetic acid while completing the distillation.

1,463,213. SUSPENDERS. WILLIAM M. HUESEMAN, Dillsboro, Ind. Filed Nov. 21, 1921. Serial No. 516,735. 2 Claims. (Cl. 241—27.)



1. A suspender tab comprising a closely wound coil spring bent double at the medial point to form a loop and two parallel shanks, a tie element passed through adjacent coils on said shanks to close the loop at the juncture of said shanks, the ends of the spring wire being bent to provide upstanding terminal eyes on said shanks.

1,463,214. WETTING MACHINE. ALBERT E. JOHNSON and MERTON E. JOHNSON, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 21, 1919. Serial No. 339,711. 37 Claims. (Cl. 91—47.)



3. A wetting machine comprising a stationary support, a covering for the support, means for supplying a fluid to the covering, and a conveyor arranged to move simultaneously a plurality of work-pieces in contact with the support-covering.

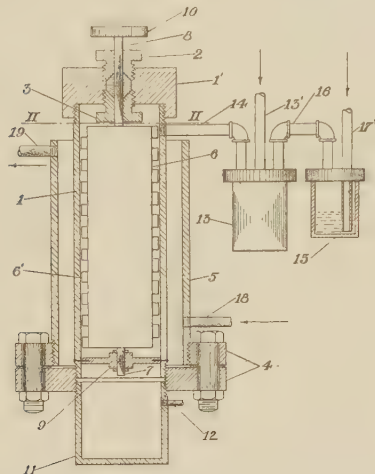
23. In a wetting machine, a receptacle, means for maintaining fluid at a constant level therein, a grating situated near the fluid level, absorbent material carried by the grating, and an endless conveyor arranged to move the work in contact with the absorbent material.

31. In a wetting machine, a fluid receptacle, means provided with spaced projections for separately engag-

ing and moving successive work-pieces into and out of the receptacle, and means arranged to raise each piece as it leaves the receptacle.

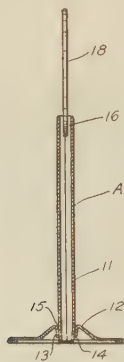
1,463,215. [WITHDRAWN.]

1,463,216. CONDENSER. NORMAN W. KRASE, Clarendon, Va., and VERNIE LESESSNE GADDY, Dillon, S. C. Filed Mar. 17, 1921. Serial No. 453,021. 2 Claims. (Cl. 23—13.)



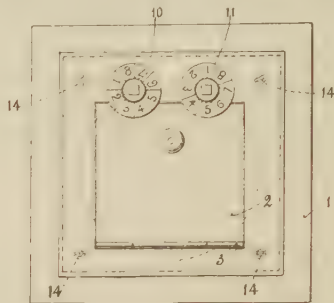
2. A condenser, including a cylinder open at its lower end, means for admitting fluid to the cylinder, a closure for the upper end of the cylinder, a shaft journaled in the closure, a scraper blade secured to the shaft and contacting the walls of the cylinder, a cooling jacket surrounding the cylinder, a receptacle below the cylinder and a clamp secured to the cylinder and connecting the cooling jacket and receptacle to the cylinder.

1,463,217. MINIATURE PARKING SIGN. FRANK J. KRISTOFEK, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed June 23, 1921. Serial No. 479,824. 2 Claims. (Cl. 40—146.)



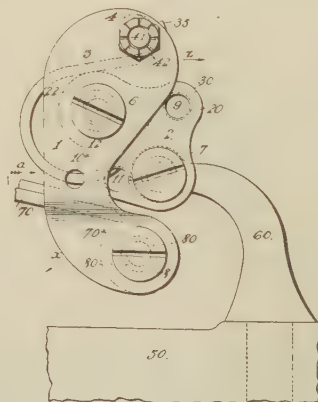
1. A display article including a tubular seamed standard, a divided end formed on said standard, a display member adapted to be engaged by said divided end under tension, a base member and an annular depending flange within said base member adapted to engage the end of said standard to compress the same to hold it rigidly under spring tension to said base member in a vertical position.

1,463,218. SAFETY DEVICE AGAINST THE THEFT OF MOTOR CARS. ALFRED LAURITZEN and VICTOR LAURITZEN, Laeken-Brussels, Belgium. Filed Mar. 25, 1922. Serial No. 546,808. 3 Claims. (Cl. 180—82.)



1. In a safety device against motor-car thefts, the combination of: a stationary member constituted by a casing, adapted to be secured to the dash board of the car and to enclose a suitable switch for the sparking circuit; a hinged member constituted by a door adapted to open outwardly; inner discs secured on shanks pivotally carried by one of the said members, spring-controlled locking fingers slidably mounted against the inner wall of the other of said members and adapted normally to engage each one of the inner discs in such a manner as to prevent the opening of the aforesaid door; a notch cut in the periphery of the aforesaid inner discs and adapted to render the latter free of engagement by the corresponding fingers when caused to register with the latter; circumferentially graduated outer discs secured on the shanks of the inner discs; stationary indexes or pointers enabling an operator acquainted with the secret combination required to open the door to set the said outer discs in the position wherein the notches of the corresponding inner discs register with their respective fingers; means for altering the position of the outer discs on their shank in relation to the corresponding inner discs; and means exerting a resilient pressure on the aforesaid outer discs and adapted to cooperate with notches or radial grooves in the latter to prevent them from rotating too freely; all substantially as described.

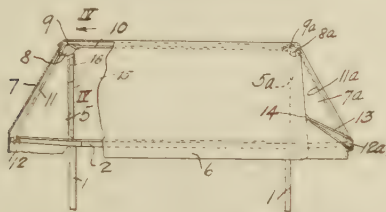
1,463,219. SHOCK ABSORBER. HERBERT LUTZ, Hamilton, Ontario, Canada, assignor to George Morris, Hamilton, Ontario, Canada. Filed May 17, 1921. Serial No. 470,293. Renewed Dec. 26, 1922. 8 Claims. (Cl. 267—19.)



1. In a spring suspension for road vehicles wherein is provided a main spring, one end of which is adapted to be connected with a fixed part of the vehicle, said main spring and said fixed part of the vehicle constituting two elements; a rocker frame, means for pivotally sustaining said frame on one of said elements, a hanger frame,

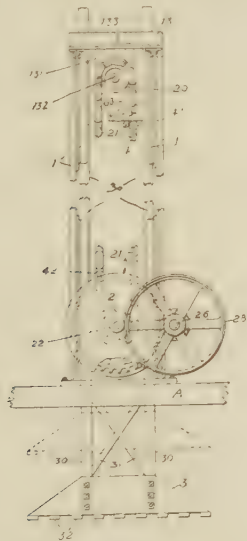
means for pivotally sustaining said hanger frame to oscillate in the direction of the length of the main spring, means for coupling said hanger to the other of said elements, and an auxiliary spring that engages stop portions on the rocker and hanger frames and tends to normally oppose the rebound tension of the main spring.

1,463,220. TENT SHELTER. WILLARD E. MARSH,
Memphis, Tenn. Filed June 21, 1922. Serial No.
569,794. 4 Claims. (Cl. 135—1.)



4. In a shelter tent a center section of fabric, pockets attached to the said center section near the ends thereof, guy ropes attached to the opposite ends of the said center section, struts for each end of the said center section adapted to engage in the said pockets and extend downward to support the said center section, end sections of fabric securely fastened to the said struts and means for fastening the edges of the said center section.

1,463,221. TRAMPER. OLIVER MITCHELL, Brookline, Mass., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed May 4, 1921. Serial No. 466,828. 5 Claims. (Cl. 100—25.)

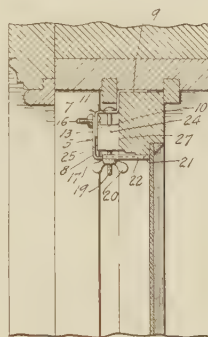


1. In a gravity tramper; a standard; a plunger movable longitudinally with relation to that standard and having an engaging device thereon; a rotatable wheel mounted at the lower end of the standard; a rotatable wheel mounted at the upper end of the standard; an endless belt member connecting the rotatable wheels; an actuating bearing mounted upon the endless belt member to engage the engaging device on the plunger by the upward moving reach of the endless belt; a detent to hold the plunger at the top of its stroke; means to release the plunger from the detent, to fall by gravity.

1,463,222. WINDOW LOCK. LEWIS A. MOLOGNE, Smith-
ton, Pa. Filed May 20, 1922. Serial No. 562,367. 3
Claims. (Cl. 292-343.)

3. In combination with the upper and lower sashes of a window, a bracket comprising a pair of adjustably connected arms, a bolt extending between and engaging

said arms, said bolt being adapted to urge the ends of the arms in engagement with a portion of the upper sash, a wedge member carried by said bolt, said wedge



member being arranged to extend between and engage the confronting faces of the rails of said upper and lower sashes.

1,463,223. SECTIONAL GRAIN SPROUTER. CALVIN C. NEWPORT, Des Moines, Iowa, assignor to Des Moines Incubator Company, Des Moines, Iowa, a Corporation of Iowa. Filed Nov. 10, 1921. Serial No. 514,418. 4 Claims. (Cl. 47—30.)

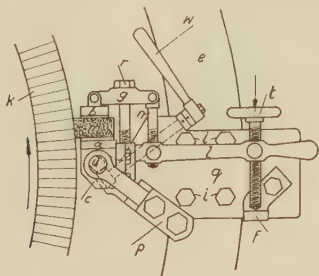


1. A grain sprouter, comprising a base section adapted to contain a heating device, a plurality of tray sections separately formed and adapted to be mounted in series upon said base section, grain trays mounted in said tray sections, said tray sections being formed with double walls the air spaces of which communicate with the air spaces of adjacent sections, the air spaces of the lowermost tray section communicating with the interior of the base section, and a movable top for the uppermost tray section, said top when closed forming a closure for the upper ends of said air spaces.

1,463,224. APPARATUS FOR TRUING UP COMMUTATORS, HIP RINGS, DRUMS, AND THE LIKE. ANDERS NORREL, Zurich, Switzerland. Filed Mar. 31, 1921. Serial No. 457,487. 4 Claims. (Cl. 51-244.)

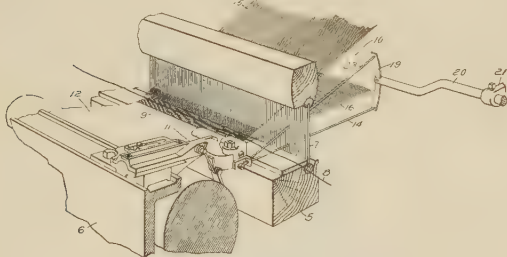
1. An apparatus for truing commutators, hip rings, and the like, comprising a shaft, a grinding member, a holder for said grinding member secured to said shaft, means pivotally supporting said shaft and permitting a swinging adjusting movement of the holder and grinding member whereby the latter may be adjusted substantially radially of the work to be trued, means for maintaining

the grinding block in predetermined position with respect to said work regardless of irregularities in the surface of



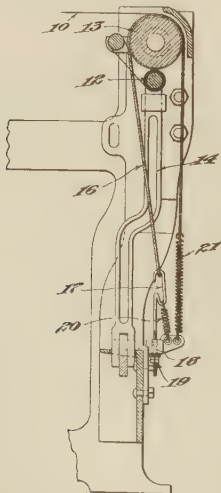
the latter, and means for shifting said shaft to adjust the grinding block and the holder in the direction of the axis of the work.

1,463,225. **THREAD-PARTER MECHANISM.** JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed May 26, 1917. Serial No. 171,130. 14 Claims. (Cl. 139—302.)



1. A thread parter mechanism for looms having, in combination, a thread support located close to the selvage and substantially in the plane thereof, said thread support extending from the fell rearwardly a distance substantially equal to the length of the throw of the lay, and a thread parter located between the selvage and the thread support.

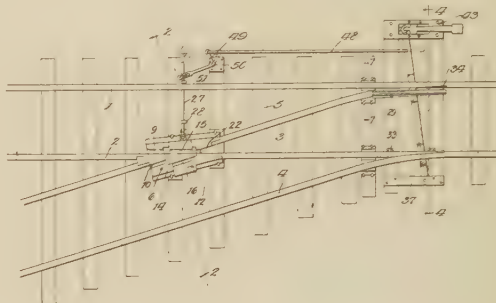
1,463,226. **TAKE-UP MECHANISM FOR LOOMS.** JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed July 20, 1922. Serial No. 576,291. 4 Claims. (Cl. 139—313.)



1. A loom having, in combination, a wind up roll, means for driving the same to wind up the cloth, means

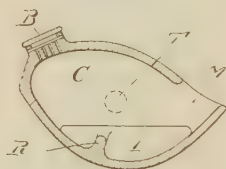
for disconnecting said driving means, a friction strap resisting rotation of the wind up roll connected at its ends to springs, one of such springs tending to resist the rotation of the wind up roll and to wind back the cloth when permitted so to do.

1,463,227. **RAILWAY SWITCH.** JOHN J. RONDERS, Monongah, W. Va. Filed Oct. 26, 1922. Serial No. 597,016. 2 Claims. (Cl. 246—392.)



1. In a railroad switch, the combination with main and siding rails, of a supporting base arranged at the cross over of two of said rails and having a transverse recess in its upper side and having guiding faces alining with the respective rails, a frog shiftable in the recess and having channels for alinement with the respective rails, a key engaging the frog and the base to retain the frog in the recess in the base, and means for shifting the frog.

1,463,228. **METHOD OF MANUFACTURING WROUGHT IRON.** ALBERT SAUVEUR, Cambridge, Mass. Filed Jan. 31, 1922. Serial No. 532,937. 2 Claims. (Cl. 75—44.)

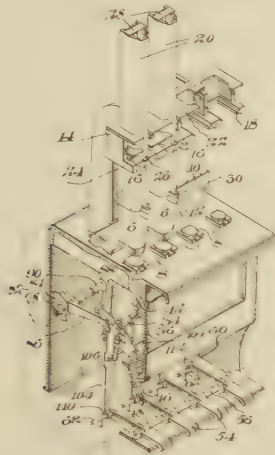


1. The method of manufacturing wrought-iron ball, characterized by the following operations: reducing the carbon content of molten pig iron to a low percentage by Bessemer action, retaining slag and iron oxide produced by said action, in the decarbonized iron; lowering the temperature of the mixture of decarbonized iron and slag, while subjecting it to continued cascade agitation and thereby maintaining mutual distribution of the said components.

1,463,229. **CUTTING MACHINE.** RALPH C. SIMMONS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 15, 1920. Serial No. 396,435. 33 Claims. (Cl. 164—21.)

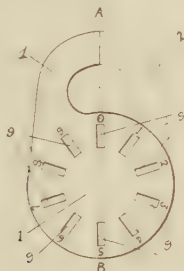
1. In a machine of the class described, a die member and a cutting block member relatively movable toward and from each other during cutting operations, manually

operable means for causing relative approaching movement of the die and cutting block members, an operating



connection between said means and one of the members, and power means for completing the movement of the operating connection to effect a cutting operation.

1,463,230. PUSH-KEY COMBINATION PADLOCK. CHESTER J. SQUIRES, Galesburg, Ill. Filed Sept. 13, 1920. Serial No. 409,870. 12 Claims. (Cl. 70-54.)

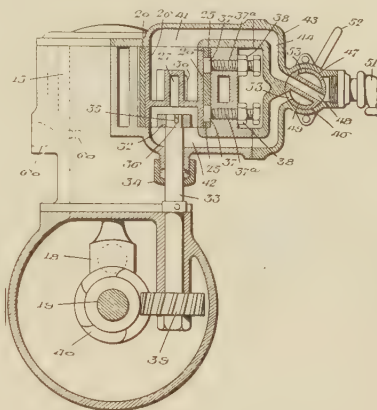


1. In a device of the character described, a lock body comprising two parallel circular disks, in axial alignment, spaced apart and held in said relation by shackle arms rigidly attached to a portion of the periphery of both of said disks; a second shackle arm rigidly attached to a portion of the periphery of an internally notched ring, said ring having an outside diameter substantially the same as that of the body disk and being of a thickness to fit revolvably between said disk; there being a circular series of radially extending slots piercing the two disks of the lock body; and in combination with said structure a push key for each of said slots adapted to be slidably inserted therein, each of the said push keys having a notch in its outer edge, a part of each of said notches being cut to a greater depth than the remainder thereof, substantially as described and for the purpose specified.

1,463,231. INTERNAL-COMBUSTION MOTOR. FRANK STONER, Corregidor Island, and CHARLES HENRY WM. AITKEN, Manila, P. I., assignors to William Maxwell Thebaut, Manila, P. I. Filed Nov. 18, 1919. Serial No. 338,982. 2 Claims. (Cl. 123-59.)

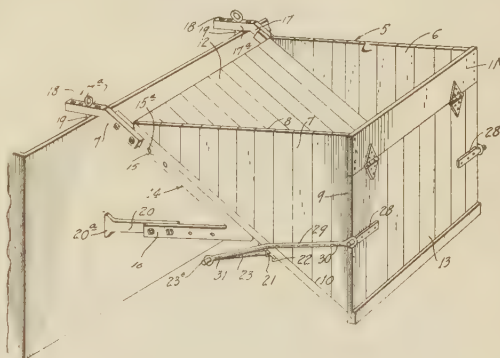
1. The combination with a multiple cylinder engine having spaced fuel passages and means for alternately opening and closing said passages at one end thereof, of a valve chamber arranged at the opposite end of the spaced fuel passages and in communication therewith, said fuel passages entering the chamber from the same side, a hollow cylindrical reversing valve mounted for rotation in said chamber and provided with a centrally disposed passage, one end of which is adapted to be reg-

istered with either of the spaced fuel passages, while the opposite end is in constant communication with the intake manifold of the engine, a pair of chambers D-shaped in cross section, one of which is arranged on each side of the centrally disposed passage, said cham-



bers are provided with ports alternately registering with either of the spaced fuel passages when the centrally disposed passage is in communication with the other spaced fuel passage and a manually operated lever for rotating the valve for changing the action of the engine.

1,463,232. ATTACHABLE HOPPER. MOSES L. TRIMMER, Craig, Mo. Filed Nov. 20, 1922. Serial No. 602,141. 6 Claims. (Cl. 193-5.)

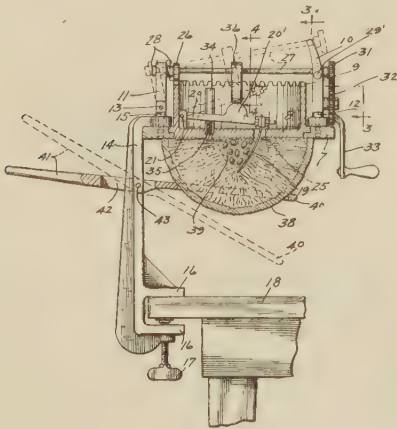


1. An attachment hopper comprising spaced side members, a movable end member and an inclined bottom member, brackets carried by each side portion of the bottom, each bracket comprising a supporting arm disposed at an inclination to a support and adapted to be secured to the bottom of the hopper, a holding arm projecting from the lower end portion of the supporting arm, said holding arm extending at right angles to the support, the opposite end of the supporting arm having an adjustable extension, adjustable means carried by said extension for holding the arm in connection with a support, and an adjustable extension carried by the end of the holding arm and arranged to engage the adjacent face of the extension.

1,463,233. GRAPEFRUIT CORER. CARL J. ULRICH, Mankato, Minn., assignor of one-fourth to Wyman A. Miller and one-fourth to Simon R. Clark, both of Minneapolis, Minn. Filed Sept. 8, 1922. Serial No. 586,878. 15 Claims. (Cl. 146-6.)

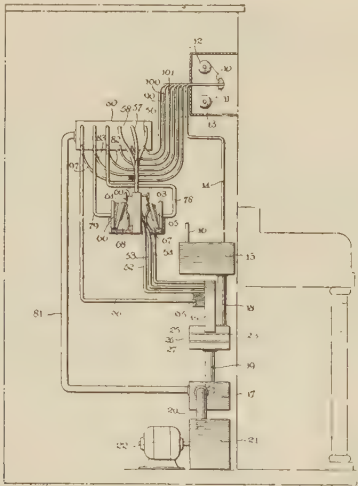
1. A grapefruit corer including a holder and a knife blade-equipped head, one of which is rotatable, and means

for imparting a plurality of complete endwise reciprocatory movements to the knife blade obliquely to the axis



of rotation of the rotatable member, for each rotation of the rotatable member.

1,463,234. EXPRESSION DEVICE FOR PLAYER PIANOS. ORMOND EDGAR WALL, Honolulu, Territory of Hawaii. Filed Feb. 10, 1921. Serial No. 443,858. 14 Claims. (Cl. 84—39.)

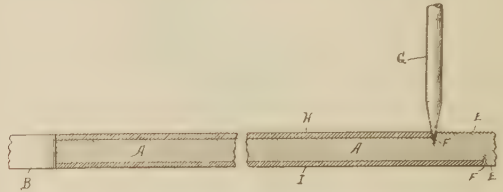


1. An attachment of the character described for player actions including a controller box having suction connections and atmospheric ports, spring controlled valves normally under moderate tension of their springs for controlling the said suction connection and atmospheric ports, means engageable with and for moving the springs of said valves whereby to increase the tension on the valves, including suction controlled bellows and note sheet controlled means for exhausting the said bellows.

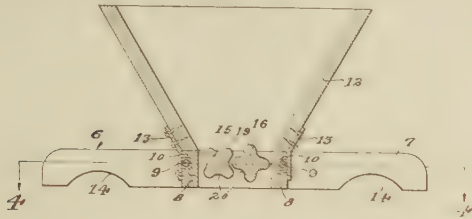
1,463,235. AUTOMATIC STOP RECORD. JAMES W. WHALEN, Richmond, Ind. Filed Jan. 31, 1922. Serial No. 532,936. 3 Claims. (Cl. 274—42.)

1. A phonograph record disc having a spiral impression in its face in the usual manner, and having a V-shaped channel formed at the inner terminus of said spiral impression, said channel being formed in the face of the disc and concentric therewith and being larger in cross section than the spiral impression, the walls of said

channel being at more acute angle with relation to each other than is the angle of the lower portion of the stylus, whereby the stylus will engage the walls of the

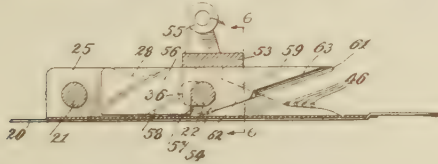


1,463,238. FRUIT CRUSHER. RAFFAELE BACCELLIERI, Philadelphia, Pa. Filed Sept. 14, 1922. Serial No. 588,103. 1 Claim. (Cl. 146—122.)



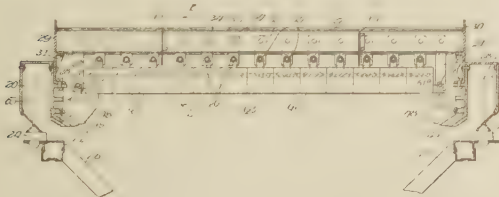
A fruit crusher of the class described including parallel side rails, cross bars between the side rails and having longitudinally recessed portions, connecting members mounted in the recesses, a hopper resting on the cross bars and portions of the side rails, said hopper having a discharge opening and provided with means of attachment to the cross bars, and crushing elements within the hopper at the discharge opening.

1,463,239. PILE-CUTTER KNIFE. THEODOR BACHOFEN, West Hoboken, N. J. Filed Apr. 4, 1922. Serial No. 549,389. 5 Claims. (Cl. 139—62.)



1. A pile cutting device comprising a U shaped holder; having an oblique front end, including a portion substantially parallel to its base, a pair of spaced support rods passing through said holder, a knife blade having an oblique cutting edge arranged in cooperative relation to the angle of said holder, said blade containing a recess engageable with one of said rods in such manner as to be supported by it, a flat bar disposed transversely over said blade, lugs on said flat bar journaled on the last named rod, and means for oscillating said bar whereby said knife is rocked upon its rod support.

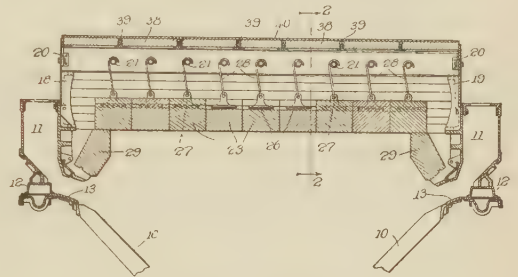
1,463,240. SUSPENDED ARCH CONSTRUCTION FOR FURNACES. FRANK B. BIGELOW, Detroit, Mich., assignor to Murphy Iron Works, Detroit, Mich., a Corporation of Michigan. Filed Apr. 9, 1920. Serial No. 372,418. 1 Claim. (Cl. 110—99.)



In an arch-construction of the character described, the combination of a plurality of arch-bricks, a main supporting-structure, a hollow supporting-member slidably mounted on said structure, a furnace front-plate apertured in registration with said member, the latter being adapted to receive outer air through said front-plate aperture and deliver it into the space above the arch, a plurality of hangers supporting said bricks individually from said member, a back wall for the space above the arch apertured in register with said member and removable means normally closing said back wall aperture, the construction permitting the removal of any hanger and its injured brick by shifting the member longitudinally

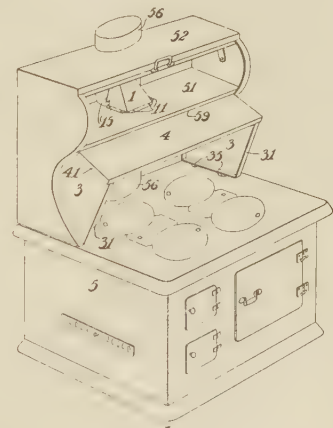
sufficiently through one of said apertures to free the hanger of the injured brick therefrom and temporarily supporting the remainder of the bricks not sustained by the member in its new position by a follower introduced through the other aperture.

1,463,241. ARCH CONSTRUCTION FOR FURNACES. FRANK B. BIGELOW, Detroit, Mich., assignor to Murphy Iron Works, Detroit, Mich., a Corporation of Michigan. Filed Apr. 9, 1920. Serial No. 372,419. 11 Claims. (Cl. 110—99.)



1. In a suspended-arch construction for furnaces of the character described, the combination of a plurality of bricks constituting a portion of the arch, a plurality of independent hangers each supporting a brick of the arch from above, and a supporting-pipe above said arch and common to said hangers, substantially as described.

1,463,242. VENTILATOR ATTACHMENT FOR RANGES. BENJAMIN BIGGS, Seattle, Wash. Filed Dec. 15, 1921. Serial No. 522,475. 6 Claims. (Cl. 125—17.)

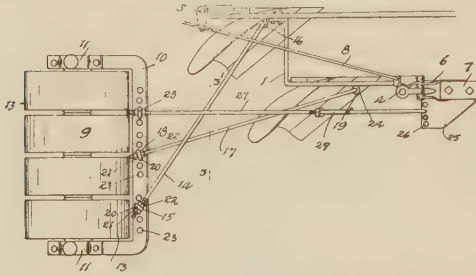


3. A ventilator hood attachment for ranges having an elevated shelf including independent vertically-extending wings adapted to be individually removably secured at the sides of the range, and a removable member extending forwardly from said shelf and supported upon said wings.

1,463,243. PACKER AND HITCH THEREFOR. JULIUS BLEY, Duval, Saskatchewan, Canada. Filed May 3, 1921. Serial No. 466,419. 3 Claims. (Cl. 97—6.)

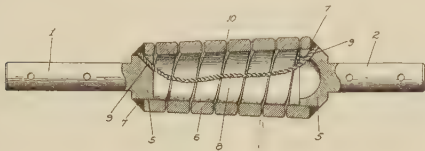
1. The combination with a plow frame, the steering tongue therefor and a packer frame positioned rearwardly to the side of the plow frame, of a pair of

crossed rods adjustably and pivotally connecting the packer frame and to the plow frame and a steering con-



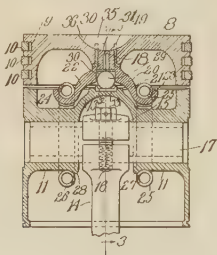
nection between the tongue and the packer frame designed in the swinging of the tongue to shift the inner end of the packer frame.

1,463,244. FLEXIBLE ATTACHMENT FOR TROLLEY POLES. FRANK T. BOGARD, Oakland, Calif., assignor to Rodney H. Marchant, Oakland, Calif. Filed Jan. 29, 1923. Serial No. 615,720. 7 Claims. (Cl. 191-64.)



1. A flexible attachment for trolley poles comprising a pair of separated stems, a spring whose ends project over the adjacent ends of the stems, a separate current conducting cable extending between the stems inside the spring, the ends of said cable being passed to the outside of the stems beyond the spring-ends through holes bored through said stems, the spring and cable ends being then welded to the stems, the welding-metal being placed about the corners formed between the spring-ends and the surface of the stems outwardly thereof.

1,463,245. TWO-PART PISTON FOR INTERNAL-COMBUSTION ENGINES. JAMES BOLAN, Boston, Mass. Filed Feb. 23, 1922. Serial No. 538,451. 18 Claims. (Cl. 74-108.)

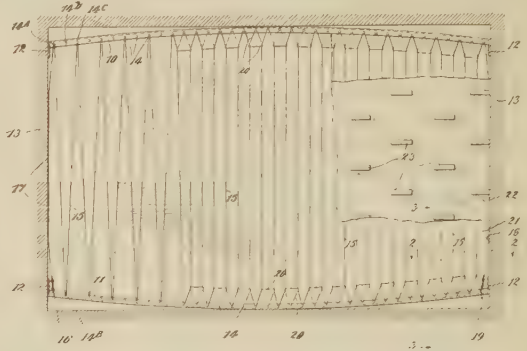


1. A piston for internal combustion engines having, in combination, a body portion and a head portion and pivotal means concentric and in alignment with the median longitudinal line of said piston whereby said head portion is universally pivotally mounted on said body portion.

1,463,246. PARTITION. JAMES E. BRADY, New York, N. Y. Filed Aug. 12, 1922. Serial No. 581,309. 17 Claims. (Cl. 72-116.)

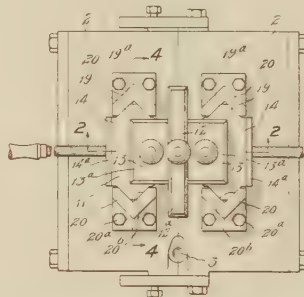
1. In a partition, in combination, two aligned supporting members, a plurality of spaced parallel means carried by the top and bottom of each supporting member each capable of carrying a continuous plaster support,

a continuous plaster support laced between the top and bottom carrying means of each supporting member and



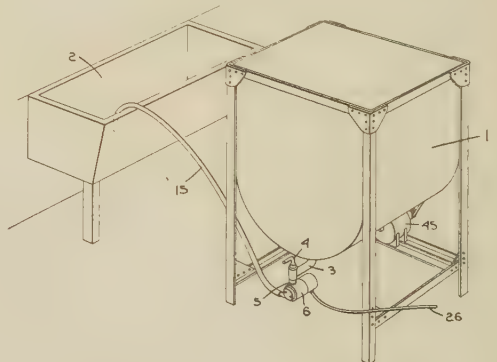
upon the carrying means, the two extremities of the continuous plaster support being fixed and means for tensioning the continuous plaster support.

1,463,247. METAL MOLD. HAROLD H. BRAND, Cleveland, Ohio, assignor, by mesne assignments, to Aluminum Manufactures, Incorporated, Cleveland, Ohio, a Corporation of Delaware. Filed Apr. 25, 1921. Serial No. 464,254. 10 Claims. (Cl. 22-151.)



1. In a permanent mold for cup shaped castings in combination, a permanent mold body having a casting cavity, a sectional core supported on the mold body and extending into the casting cavity, open ended recesses in the side faces of certain of the said core sections for forming cross webs on the casting, and means engaging with and guiding certain of the said core sections during the removal of the said sections from contact with the said webs.

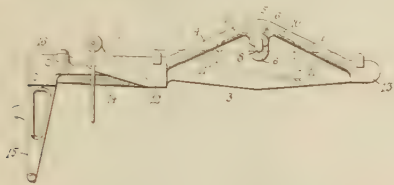
1,463,248. MEANS FOR EMPTYING WASHING MACHINES. ARTHUR C. BURLEIGH, Wollaston, and ALBERT C. GOWING, Braintree, Mass. Filed Feb. 24, 1921. Serial No. 447,476. 3 Claims. (Cl. 103-87.)



1. The combination with a receptacle having a discharge spout, of a pump unit comprising as a unitary structure a pumping element having an inlet and an

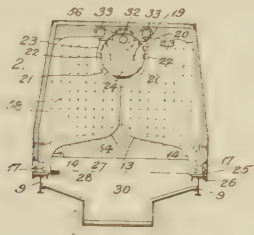
outlet and a motor for operating said pumping element, means associated with the inlet for detachably connecting the unitary pump unit to said discharge spout, said unit being supported entirely by the discharge spout, and a hose connected to the outlet of the pump.

- 1,463,249. SCALE BEAM. ERNEST E. BURROWS, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed July 9, 1921. Serial No. 483,386. 5 Claims. (Cl. 265—49.)



1. A scale beam having parallel metallic arms adapted to carry pivotal bearings for supporting the beam and scale parts, each arm having a stiffening flange providing a tension member for the arm extending along one edge thereof and having angularly disposed oppositely downwardly inclined sections, and a web rigid with said arms and extending therebetween, said web having a depending stiffening flange and presenting a smooth and unobstructed upper surface.

- 1,463,250. LOCOMOTIVE BOILER. JOHN J. CAIN Bayonne, N. J. Filed Sept. 25, 1920. Serial No. 412,806. 11 Claims. (Cl. 122—228.)

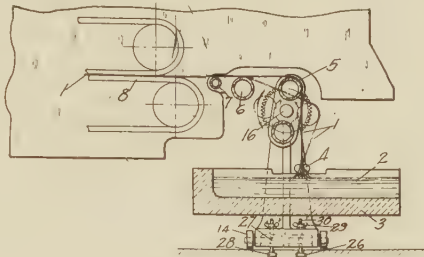


1. A locomotive boiler, comprising similar narrow hollow vertical sections, having supporting feet at their lower edges transversely arranged edgewise in pairs with their adjacent edges at the longitudinal central plane of the boiler and spaced apart to provide continuous vertical heating passage between them, the boundaries of the transverse faces of each pair being substantially equal to the vertical and transverse horizontal boundaries of the available space of the locomotive above its running gear, said duplex sections being in two sets longitudinally located in the boiler, the lower parts of the sides of the set of sections at the furnace end of the boiler being water legs and constituting the side walls of the fire box with their supporting feet at a lower level than those of the other set of sections, in combination with the main frame of the locomotive to the side girders of which the supporting feet of the sections are secured.

- 1,463,251. CHANGING BENDING ROLLERS IN SHEET-GLASS-DRAWING MACHINES. ROBERT P. CALLARD, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 27, 1922. Serial No. 547,138. 5 Claims. (Cl. 49—17.)

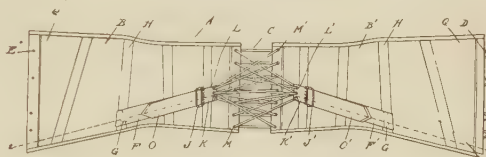
1. The method of substituting a new bending roller in a glass drawing apparatus without halting the drawing operation, consisting in positioning the new roller parallel to the old one but out of contact with the glass

sheet, revolving the two rolls simultaneously through 180° about a common center so that their positions become interchanged, and then removing the old roller.



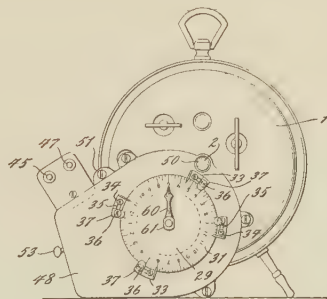
2. In an apparatus for changing bending rollers in a sheet glass drawing machine without halting the sheet drawing operation, a pair of similar roller supporting devices, each comprising a supporting frame, a turntable mounted on the frame to rotate in a plane perpendicular to the axis of the bending roll, means to rotate the turntable, and means on the turntable for supporting the adjacent ends of a pair of parallel bending rollers.

- 1,463,252. CORSET AND ABDOMINAL SUPPORT. SAMUEL H. CAMP, Jackson, Mich., assignor to said Samuel Higby Camp and Edwin C. Reynolds, a Co-partnership, trading as S. H. Camp & Company. Filed Apr. 22, 1918. Serial No. 229,985. 2 Claims. (Cl. 2—73.)



1. In a device of the class described, the combination with a pair of separate sections having quick-detachment means at the front edges thereof, of a lacing connecting the adjacent rear edges of said sections, a pair of tab members movable over said sections near the adjacent rear edges thereof, one end of said lacing being secured to one of said tab sections, the opposite end of said lacing being secured to the other of said tab sections, the intermediate portions of said lacing freely movably engaging said tab members and the adjacent rear edges of said sections, buckles respectively carried by said tab members, and adjusting means permanently secured to the respective sections and return-bent through said buckles.

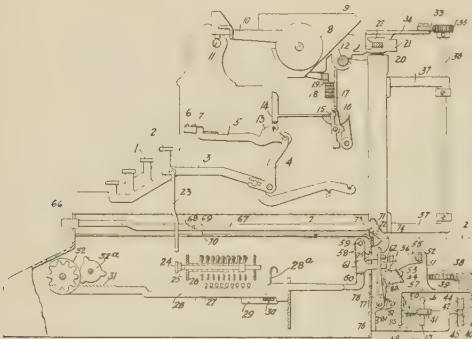
- 1,463,253. TIME SWITCH. JEROME F. CERMAK, Brooklyn, N. Y. Filed Nov. 24, 1920. Serial No. 426,193. 18 Claims. (Cl. 200—36.)



4. In a time switch, the combination of a gear, a clock time train means for connecting the gear to the clock time train to be driven thereby, a conducting sleeve

mounted for rotation with the gear and insulated therefrom, a plurality of conducting segments mounted to rotate on said sleeve, and having pin and slot connections between themselves so as to have a fan like expansion and contraction and thereby lengthen or shorten the effective peripheral distance along their combined outer edge, an insulating element mounted to rotate on said sleeve and also having a pin and slot connection with an end conducting segment, said insulating element having a cavity therein into which the segments can move when contracted, an arm carried by the other end segment, means for adjusting the arm and insulating element about the sleeve to expose any desired length of the periphery of the segments and secure them in adjusted position for rotation with the sleeve, a spring operated contact arm adapted to be cammed outwardly against the action of its spring by the insulating element and allowed to snap inwardly upon the exposed peripheral portion of the segments and then off of the end of the exposed segment, and a second contact arm in continuous engagement with the sleeve.

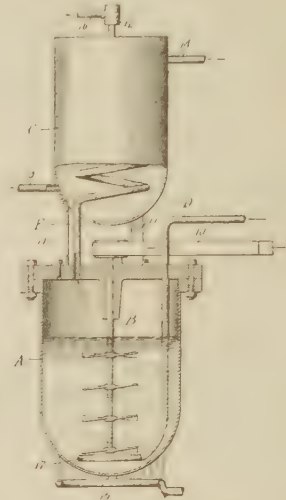
1,463,254. COMBINED TYPEWRITING AND COMPUTING MACHINE. FREDERICK U. CONARD, Brooklyn, N. Y., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Oct. 18, 1921. Serial No. 508,434. 22 Claims. (Cl. 235—60.)



1. In a combined typewriting and computing machine, the combination of a register, comprising computing elements, numeral-key-operated devices, settable indexing devices on said computing elements, said indexing devices being normally out of range of the key-operated devices, a main carriage, a sub-carriage connected to the main carriage to travel therewith, but in opposite direction, and a settable selector on the sub-carriage to cause the computing elements to be operated seriatim to move the indexing devices into settable relation with respect to said key-operated devices.

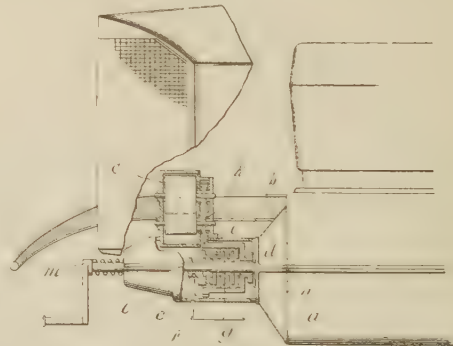
22. In a combined typewriting and computing machine, in combination, a set of denominational dials, a set of reciprocable denominational bars to actuate said dials, numeral-keys, digit-indexing devices on said bars settable in accordance with numeral-keys depressed, and means for advancing said bars seriatim to positions for setting said digit-indexing devices, comprising levers pivoted to swing about a common axis and arranged therealong at regular intervals less than the distances between said bars, the lower ends of said levers being flared outwardly progressively, so as to bring them opposite the rear ends of the bars, and a denomination-selector dog movable step by step past said levers to engage the same seriatim along their closer spaced portions and advance the bars to position for digit indexing.

1,463,255. PROCESS OF PREPARATION OF BENZOATES AND BENZOIC ACID FROM DIBENZYL. GEORGE OLIVER CURME, Jr., and HERMAN BUNSEN HEYN, Pittsburgh, Pa., assignors, by mesne assignments, to Union Carbide Company, New York, N. Y., a Corporation of Virginia. Filed Apr. 20, 1917. Serial No. 163,522. 8 Claims. (Cl. 260—108.)



1. Process of preparing benzoic acid or compounds thereof, comprising subjecting dibenzyl to the action of molecular oxygen in presence of an oxygen carrier.

1,463,256. COMPRESSOR ARRANGEMENT FOR THE MOTORS OF AUTOMOBILE VEHICLES. PAUL DAIMLER, Canstatt, Germany, assignor to the Firm Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Filed Sept. 10, 1921. Serial No. 499,849. 1 Claim. (Cl. 230—27.)

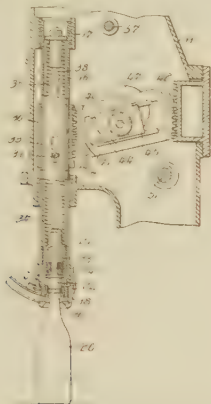


In a motor vehicle having a motor, a radiator spaced therefrom and a crank shaft projecting into the space between said motor and radiator, a casing rigidly secured to the motor casing and projecting into the space between the motor and radiator and surrounding said crank shaft, a disengageable clutch mounted upon said crank shaft within said casing, means to actuate said clutch mounted upon and projecting through said casing, a pump rigidly secured to said casing and contained within the space between said motor and radiator, and gearing connecting said pump and clutch entirely enclosed within said casings.

1,463,257. CAPPING APPARATUS. WILLIAM V. DERBY, Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Sept. 24, 1920. Serial No. 412,523. 9 Claims. (Cl. 226—84.)

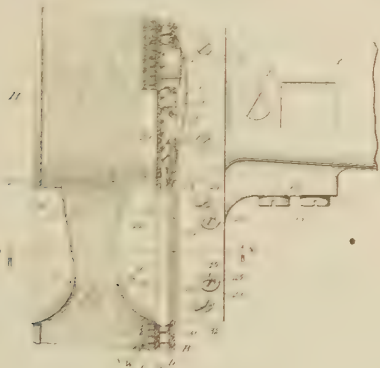
1. In a capping apparatus, and in combination, a capping plunger including a tubular member, a bottle

support, a transmitting element relatively movable with respect to the tubular member and comprising an abutment within the tubular member and a part slidable on



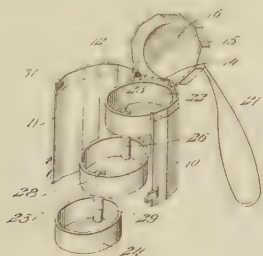
the tubular member, means acting on the slidable part to move the same towards the bottle support with a fixed stroke, and a spring between said abutment and the capping plunger.

1,463,258. GUIDE FOR SEWING MACHINES. JOHN J. DRAKE, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 16, 1921. Serial No. 477,870. 9 Claims. (Cl. 112—15.)



2. In a sewing machine, the combination with stitch-forming mechanism, of a device for guiding to said stitch-forming mechanism for attachment to a hat a sweat-band having a cross-bar edging at one side thereof, said device including a resilient finger supported to have a floating work-engaging free end capable of yielding in transverse directions for tensionally directing the free edging bead to said stitch-forming mechanism.

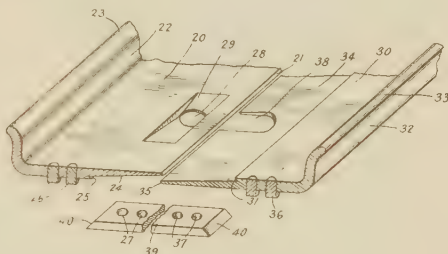
1,463,259. VANITY CASE. ANDREW B. FLAGG, Attleboro, Mass. Filed Dec. 15, 1921. Serial No. 522,652. 7 Claims. (Cl. 132—83.)



6. A vanity case comprising a shell formed of sections hinged together and adapted to have their front edges swing apart, a plurality of superimposed trays normally

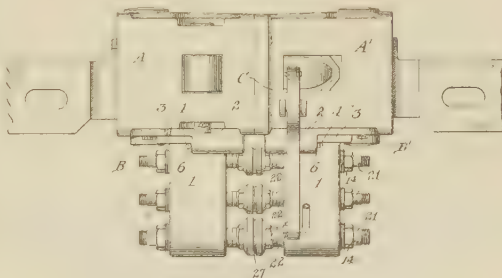
housed between said walls each being pivotally connected to the one above, the upper one of said trays being fixed to one of said wall sections whereby when those below are swung forward each is opened and positioned to present its contents to the user, a lid adapted to close over and lock together the upper edges of said wall sections when closed to house said trays, a mirror in the inner face of said lid, and means for supporting said lid with its mirror in the desired operative position when open.

1,463,260. DEMOUNTABLE RIM. ALFRED L. FOUCHE, Atlanta, Ga. Filed Dec. 14, 1921. Serial No. 522,217. 1 Claim. (Cl. 301—35.)



A demountable rim comprising a pair of bands having attenuated lateral elements arranged in overlapping relation at their circumferential joints, cylindrical pins fixed in aligned pairs to extend from the inner surfaces of each band; clamp plates having round openings receptive of said pins to hold the plates in close relation, and bevelled extensions on the ends of said clamp plates facilitating their removal.

1,463,261. COMPRESSION COUPLING. JOHN H. FUNK, Louisville, Ky., assignor to Universal Car and Hose Coupler Company, St. Louis, Mo., a Corporation of Arizona. Filed Aug. 20, 1920. Serial No. 404,725. 4 Claims. (Cl. 285—24.)

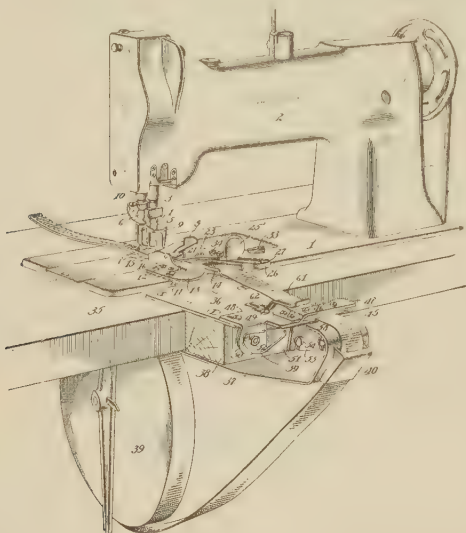


1. In a device of the class described, a support having a front and rear bearing, a tubular member slidable in the bearings of said support, a collar removably fitted over said tubular member against said front bearing, said tubular member having a yieldable forward end face, a spring housed within the support between said bearings and arranged to urge the tubular member forward and means to limit the effective action of the spring tending to force said tubular member forward.

1,463,262. STRAPFORMING DEVICE FOR SEWING MACHINES. CHARLES F. GRAY, Sierra Madre, Calif., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed June 21, 1918. Serial No. 241,149. 12 Claims. (Cl. 112—2.)

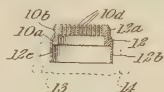
12. A strap-forming device for sewing machines comprising, in combination, a strip-guide, means for diverting the initially emerging end of a strip in a direction substantially transverse to the direction of its lead through the strip-guide, a strip-supporting element disposed at the delivery end of said strip-guide in spaced relation

with respect to the strip-diverting means around which element the strip may be doubled on a line substantially transverse to its length, means for gauging the length of the doubled strip, cooperating strip-severing elements



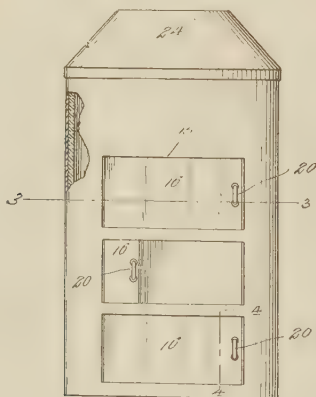
disposed in advance of the receiving-end of said strip-guide, means for holding a severed end of said strip against retrograde movement, and means for engaging the doubled end of said strip to initially present the same to the action of the stitch-forming mechanism.

1,463,263. BURNER TIP. JOHN H. GRAYSON, Athens, Ohio. Filed Sept. 23, 1922. Serial No. 590,161. 4 Claims. (Cl. 158—116.)



1. A burner tip comprising an element having as an integral construction a lower ring portion and an upper portion defining a plurality of parallel bars and resulting slots, and a ferrule surrounding the upper portion, parts of the ferrule extending into the slots and providing braces for the bars.

1,463,264. REFRIGERATOR. KINE GROSS, Wellman, Iowa. Filed Sept. 11, 1922. Serial No. 587,378. 1 Claim. (Cl. 220—63.)



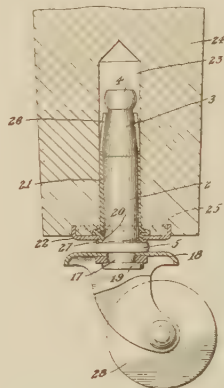
A refrigerator comprising a metallic casing body, a lining of hard material substantially as specified snugly fitting within the casing body, and a lining of quick-silver at the inner side of the casing body and between

the same and the first-named lining; the casing body and the first-named lining having inwardly-directed flanges at their upper ends, a cover of the same material as the first-named lining threaded into the flange of the same, and a metallic cap removably arranged over the refrigerator body.

1,463,265. PROCESS OF APPLYING LABELS TO CANNED GOODS. WILLIAM CLIFTON HART, Montague Bay, Tasmania, Australia. Filed June 29, 1921. Serial No. 481,367. 1 Claim. (Cl. 41—24.)

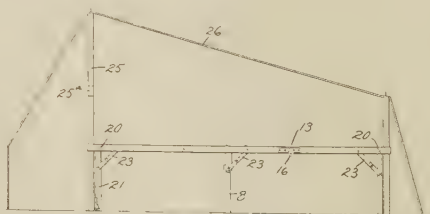
The process of applying descriptions to containers wherein the label is first impressed type high in the plate from which the can body is made and forming the can from said plate, the filled can being then passed over vari-colored parallel pads to apply parallel stripes or rings to said type high label.

1,463,266. CASTER. WALTER F. HEROLD, Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 21, 1922. Serial No. 589,502. 6 Claims. (Cl. 16—38.)



2. In a caster, the combination of a cylindrical socket having an inwardly extending spring portion forming its upper end, and a pintle having a cylindrical portion of uniform diameter adapted to slidably fit in said socket from the lower end of the same to the base of the spring portion of the same, and having a portion of reduced diameter extending from said first portion to a point above the upper end of said socket spring portion, and having a head above the upper end of said spring portion, when the pintle is mounted in position, said pintle having a peripheral shoulder at its lower end and said socket having a leg supporting plate secured to the lower end thereof, the lower end of the socket bearing upon said shoulder, and the pintle, at the junction of said cylindrical portion and shoulder, having a snug rotative fit in the socket.

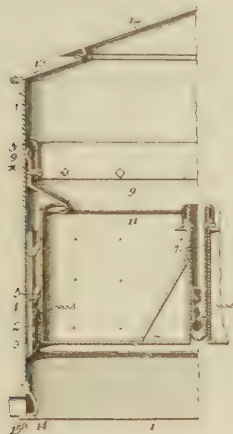
1,463,267. FOLDING AND TENT BED. RALPH B. HOSNER, San Francisco, Calif. Filed July 21, 1921. Serial No. 486,453. 2 Claims. (Cl. 5—113.)



1. In a tent bed structure, a frame having at its corners sockets to receive tent poles, and legs for supporting the

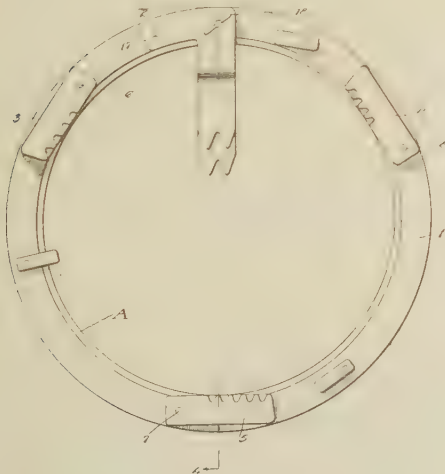
corners of the frame and provided with fixed slotted parts for passing down over and engaging a headed pin at the lower end of each pole.

1,463,268. FIREPROOF TANK. WILSON SYLVESTER HUFF, Oklahoma, Okla. Filed July 21, 1919. Serial No. 312,188. 13 Claims. (Cl. 220—26.)



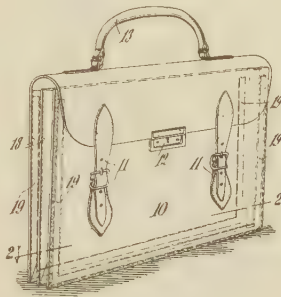
11. A tank comprising a liquid container, a float adapted to be supported on the surface of the liquid, means providing a joint mounted on the float, the free side of said means slidably engaging the container wall and thus forming a pocket, said pocket containing a substance acting by its weight to maintain the said free side in wiping engagement with the tank wall.

1,463,269. GEAR-ASSEMBLING DEVICE. CLARENCE A. JOHNSON, Luther, Okla. Filed Dec. 14, 1920. Serial No. 430,633. 7 Claims. (Cl. 29—89.)



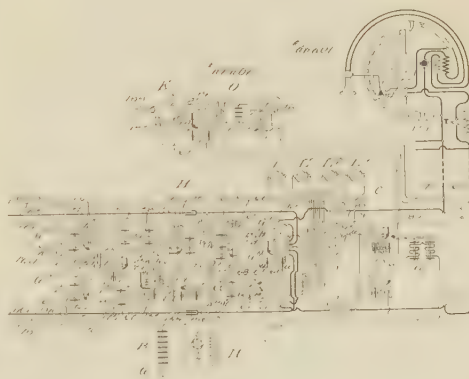
1. A gear assembling device including a frame, and means carried thereby for locking against rotation temporarily assembled gears confined by said means.

1,463,270. BRIEF CASE. SAMUEL H. LIFTON, Brooklyn, N. Y. Filed Nov. 13, 1922. Serial No. 600,577. 1 Claim. (Cl. 190—43.)



A brief case having a front wall, and a back wall provided with a flap overlapping the upper margin of the front wall, folding gussets secured at their edges to the edges of said walls by a row of stitching, a flat reinforcing band conforming in contour to that of the inner margin of said walls arranged within said case back of said inner margins, and a strip covering said band having one edge interposed between the edges of said gusset and walls and secured thereto by said row of stitching, and having its other edge stitched to the wall adjacent to said edge.

1,463,271. PARTY-LINE TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 1, 1910, Serial No. 546,582. Renewed Sept. 20, 1916. Serial No. 121,313. 39 Claims. (Cl. 179—17.)

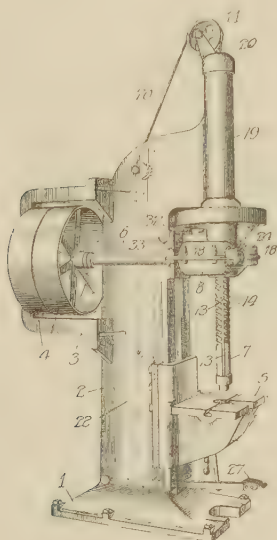


7. An a telephone system, a line, a plurality of substations on said line, means for selectively signaling the subscribers on said line, and a manual switchboard provided with means for receiving the signal when the call is for a subscriber whose telephone has been taken out or discontinued.

1,463,272. POWER PRESS. FREDERICK H. RAGAN, Detroit, Mich. Filed Aug. 12, 1921. Serial No. 491,703. 17 Claims. (Cl. 29—85.)

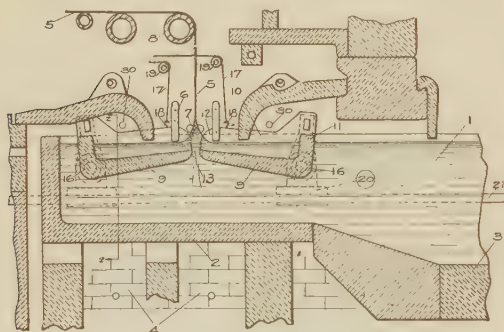
2. A power press including a longitudinally movable ram, means for rotating the ram, and a control member, said member being mounted upon the ram and capable of

rotary movement therewith and having means whereby it may be held stationary at the will of the operator, said ram and control member having cooperating parts whereby



the ram is moved longitudinally slowly in one direction for feeding purposes when such member is held stationary and is permitted to move rapidly in the opposite direction.

1,463,273. DRAWING CONTINUOUS SHEET GLASS. LEONARD D. SOUBIER, Toledo, Ohio, assignor, by mesne assignments, to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed May 28, 1921. Serial No. 473,535. 11 Claims. (Cl. 49—17.)

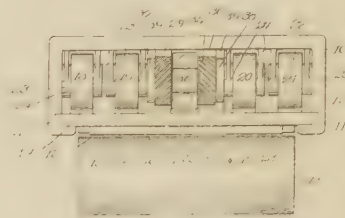


2. In a sheet glass drawing apparatus, a tank containing molten glass, means for drawing a sheet of glass therefrom, a container within the molten glass for segregating that portion of the glass from which the sheet is drawn, the container being divided, substantially in the plane of the glass sheet, into two similar sections, and means for bodily moving the sections toward and from one another to vary the width of the passage therebetween.

1,463,274. MOUNTING AND OPERATING MECHANISM FOR RECIPROCATING BEDS OF PRINTING PRESSES. BURT D. STEVENS, Evanston, and EDWARD F. DUDLEY, Oak Park, Ill., assignors to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1921. Serial No. 449,529. 2 Claims. (Cl. 101—282.)

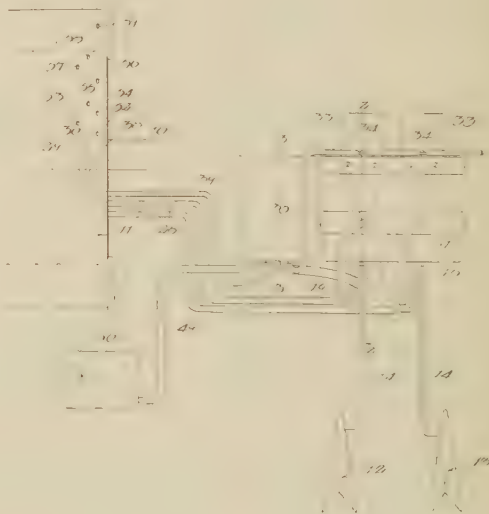
1. In a printing-press, the combination of a frame, a printing-form bed mounted for reciprocation in guideways in said frame, an impression-cylinder cooperating with said bed, means to reciprocate said bed comprising a pair

of stationary racks with oppositely-inclined teeth mounted on said frame, a pair of similar racks fixed to and slidable with said bed, a pair of spiral gears secured together and each in mesh with one of each of said pairs of racks, means to effect the reciprocation of the bed by causing the bodily travel of the gears along the station-



ary racks, pitch-plane tracks in register with said racks, pitch-circle rollers registering and rigid with said gears and adapted to travel on said tracks to assure proper meshing of the gears and racks, and a plurality of backing-up rollers co-acting with the rear of said bed to relieve said guideways from at least a part of the strains imposed on the bed, substantially as described.

1,463,275. PNEUMATIC CONTROL DEVICE FOR PLAYER PIANOS. ORMOND EDGAR WALL, Honolulu, Territory of Hawaii. Filed Mar. 23, 1921. Serial No. 454,663. 3 Claims. (Cl. 84—48.)



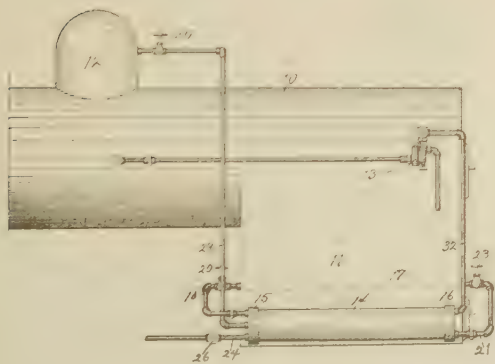
2. In a player action having pneumatics for operating movable parts thereof, note sheet controlled means for independently collapsing said pneumatics, a valve for each pneumatic shiftable into closed position upon the collapse of said pneumatic to hold the same in collapsed position, tripping pneumatics for shifting the said valves to open position, note sheet controlled connections for simultaneously actuating the several tripping pneumatics, and means for normally holding each of the atmospheric valves during operation in open position until its respective operating pneumatic is collapsed.

1,463,276. ROAD SIGN. DALE WARREN, Sweetwater, Tex. Filed July 12, 1922. Serial No. 574,391. 11 Claims. (Cl. 40—145.)



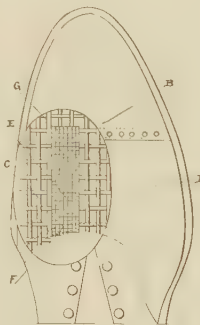
3. A road sign, consisting of an automobile tire casing, and supporting and bracing means extending within said casing consisting of a post and one or more cross members, said post passing through a hole cut in the casing.

1,463,277. MUD DRUM. JACOB G. WHITLATCH and OSCAR R. WILLIAMSON, Iowa Falls, Iowa. Filed Oct. 14, 1920. Serial No. 416,869. 2 Claims. (Cl. 122—397.)



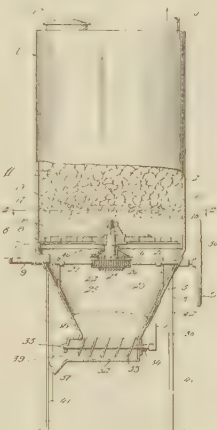
1. The combination with a steam boiler of a mud drum located below the lowermost water line therein, valve controlled communications between opposite ends of said mud drum and said boiler adjacent to the lowermost water line thereof, said communications differing in altitude in respect to opposite ends of said drum, means for raising the temperature of water in the mud drum consisting of a steam coil located within said drum, a steam dome on the boiler, a valve controlled pipe communicating between said dome and one end of said coil, a return steam pipe communicating between the opposite end of said coil and said boiler at a point below the dome thereof, and means of discharge from said mud drum.

1,463,278. SHOE. JOHN DAVID YEAGER, Philadelphia, Pa. Filed Nov. 19, 1921. Serial No. 516,447. 1 Claim. (Cl. 36—55.)



A shoe comprising a vamp, a vamp lining and a strip of fabric, glazed on both sides, extending over the top of the foot between the vamp and lining and between the vamp throat seam and the tip seam, secured at the former and free at the latter.

1,463,279. METHOD OF DRYING GASES. EDWIN H. ARNOLD, Coventry, and WILLIAM T. WAKEFORD, Providence, R. I., assignors to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 9, 1921. Serial No. 514,087. 11 Claims. (Cl. 183—118.)

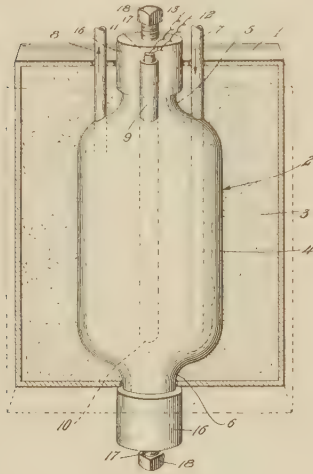


1. The method of drying gases which comprises, passing the gases under low pressure into a chamber provided with a perforated wall and then upwardly through said perforated wall and into a second chamber where the said gases pass into contact with drying material contained in said second chamber, contamination of said gases by contact with the air while in said chambers being prevented by maintaining a constant supply of said drying material in comminuted form in said first named chamber.

1,463,280. AMMONIA SYNTHESIS AUTOCLAVE. EDWIN H. ARNOLD, Coventry, and WILLIAM T. WAKEFORD, Providence, R. I., assignors to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 9, 1921. Serial No. 514,088. 12 Claims. (Cl. 23—21.)

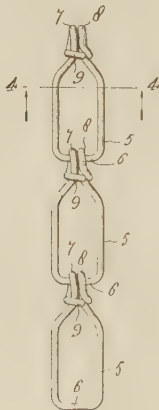
9. An ammonia synthesis autoclave comprising a body portion formed of a single metallic shell provided with

oppositely located openings, means for placing the interior of said autoclave under pressure, and inde-



pendently removable closures for said openings whereby the charge may be removed from said autoclave by the combined influence of gravity and pressure.

1,463,281. WIRE CHAIN LINK. ANDREW LANGSTAFF JOHNSTON, Jr., Richmond, Va., assignor, by mesne assignments, to Off'N'On Chain Corporation, New York, N. Y., a Corporation of Delaware. Filed June 11, 1920. Serial No. 388,287. 3 Claims. (Cl. 59—92.)



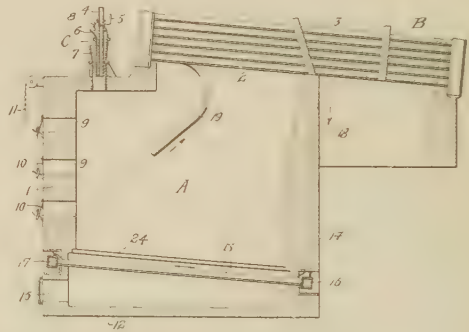
1. A chain link made of an integral length of stock having its free ends terminating in adjacent eyes, the stock forming said eyes being bent over in opposite directions, the end portions of the stock being bent transversely of the link adjacent the base of the eyes and terminating inwardly of the outside faces thereof with their extremities protected by said eyes and the inside faces of the eyes being in close contact throughout.

1,463,282. WIRE CHAIN LINK. ANDREW LANGSTAFF JOHNSTON, Jr., New York, N. Y., assignor, by mesne assignments, to Off'N'On Chain Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 8, 1920. Serial No. 429,072. 4 Claims. (Cl. 59—92.)



1. A chain link comprising a strand of material bent to form an elongated loop, the ends of said strand being separately looped in directions opposite to each other to form contiguous coils, and each end being bent to encircle the necks of both said coils.

1,463,283. METHOD OF BURNING PULVERIZED FUEL. HENRY KREISINGER, Pittsburgh, Pa., assignor to Combustion Engineering Corporation, a Corporation of New York. Filed Oct. 22, 1920. Serial No. 418,640. 9 Claims. (Cl. 110—28.)



1. The process of burning fuel in a combustion chamber which consists in admitting, igniting and burning the fuel within such chamber, and in creating and maintaining a cooling zone in such chamber, intermediate the flame and a recipient defining surface of such chamber, through which zone refuse particles leaving the flame in regular substantially continuous operation pass toward such surface and which zone is cooled and maintained cool enough to cool such refuse particles while in suspension below the point of coalescence by the indirect action of a cooling medium.

1,463,284. SHOCK ABSORBER. JAMES S. LANG, Watertown, Mass. Filed Jan. 8, 1921. Serial No. 435,936. 1 Claim. (Cl. 188—129.)

In a shock absorber, the combination comprising a friction blade, a friction shoe arranged to engage said blade, a carrier for the shoe with relation to which the shoe is retained to have a limited endwise movement, a keeper fixed to the carrier and occupying a position spaced from the outer side of said shoe, a tension member interposed between said keeper and said shoe adapted when actuated to exert pressure for pressing said shoe

against said blade, a bearing movable with said tension member, means for pivotally supporting said bearing, a bearing on said shoe, and a member interposed between said bearings, said bearings and interposed member presenting surfaces co-operating with one an-



other whereby said interposed member may have a determinate rolling contact with said bearings during the endwise movement of said shoe relatively to the carrier and simultaneously with such rolling contact said bearings be displaced laterally in relation to one another for actuating said tension to exert pressure as aforesaid.

1,463,285. RULING PEN. EMIL LAWRENZ, Detroit, Mich. Filed July 19, 1922. Serial No. 576,039. 2 Claims. (Cl. 120—109.5.)

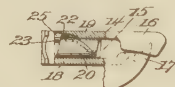


2. In a ruling pen, a pair of blades rigidly connected at their inner ends and having aligned apertures, a bolt extending through the apertures in the blade and a nut on the outer end of the bolt, said nut consisting of an inner conical part threaded on the bolt and tapering toward the adjacent blade and an outer part having a conical recess to receive the inner part and adapted to turn the same when the parts are in engagement, said outer part of the nut being provided with a series of graduations to indicate its angular movements.

1,463,286. SHUTTLE. VICTOR LEDOUX, New Bedford, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Sept. 8, 1919. Serial No. 322,454. 3 Claims. (Cl. 139—223.)

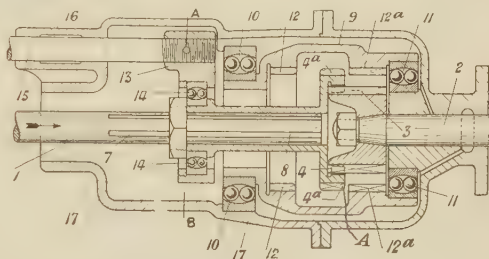
1. A thread block for self-threading shuttles having, in combination, a longitudinal thread passage, means for guiding the thread to the delivery eye of the shuttle, and a scroll in the longitudinal thread passage in sub-

stantial alignment with the axis of the bobbin comprising a band of material length having its upper side edge overlapping the lower side edge and spaced a short distance therefrom, and a guard overhanging said upper side edge and extended downwardly from one wall of the



thread passage in the same direction as said upper side edge of the scroll, whereby during the threading operation the thread is guided downwardly and caused to pass around the upper side edge and thence over the lower side edge into the scroll.

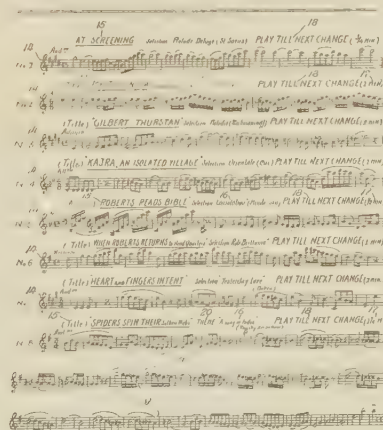
1,463,287. VARIABLE-SPEED GEAR. JOHN ALEXANDER MILLER and WILLIAM DOUGLAS MILLER, Brighthouse, England. Filed Nov. 5, 1921. Serial No. 513,098. 4 Claims. (Cl. 74—58.)



1. An auxiliary gearing comprising a drive shaft, a driven shaft normally aligned therewith, a sleeve slidable on the drive shaft, a pinion carried by the sleeve, a carrier in which said sleeve is mounted to revolve, said carrier being mounted for rectilinear and oscillating movement, a pinion on the driven shaft adapted to mesh with the first mentioned pinion in the aligned position of the shafts, means for actuating said carrier to dispose the drive shaft and the pinion thereon in a position out of alignment with the driven shaft, and an intermediate gear element having drive connection with the said driven shaft and adapted to mesh with the gear on the drive shaft in the nonaligned position of the shafts.

1,463,288. MUSIC CUE SHEET FOR MOTION PICTURES. MOSES J. MINTZ, New York, N. Y. Filed Mar. 30, 1922. Serial No. 548,094. 5 Claims. (Cl. 283—47.)

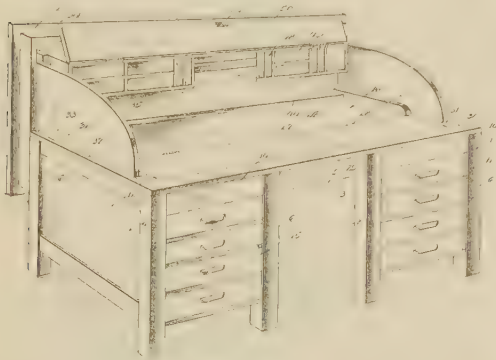
MUSICAL CUE SHEET
FOR
A GUILTY CONSCIENCE
VITAPHONE PRODUCTION
COMPLETE
JOSEPH CARL BREIL



1. A music cue sheet for motion pictures, provided with an imprint of a partial musical strain for respec-

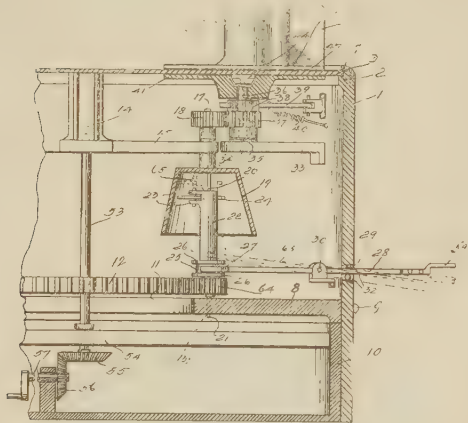
tive scenes or actions of the picture and an imprint of a main musical composition serving as the theme for the picture.

- 1,463,289. CONVERTIBLE DESK. ALEXANDER MITCHELL, Pueblo, Colo., assignor of one-half to Sam Dobin. Filed July 23, 1921. Serial No. 487,081. 9 Claims. (Cl. 45-6.)



1. In a convertible desk, a body, a fixed top thereon comprising a stationary section and a section movable to position in the same plane as the stationary section or to position overlying the stationary section, a bodily shiftable top movable to occupy a horizontal position resting upon the affixed top or to occupy an upright position at the rear of the body, and a cabinet structure upon the under side of the shiftable top arranged to occupy the space vacated by the movable section of the stationary top when the shiftable top is in horizontal position.

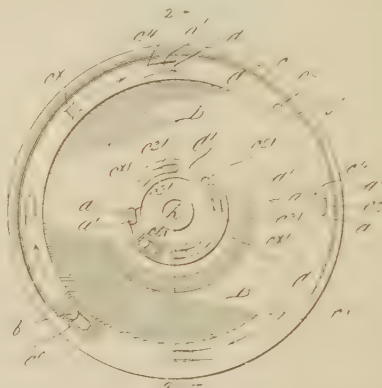
- 1,463,290. AMUSEMENT DEVICE. HARRY G. MOULDER, Kansas City, Mo. Filed Nov. 13, 1922. Serial No. 600,621. 2 Claims. (Cl. 46-56.)



1. An amusement device, comprising a housing member, a plate mounted on the upper end of said housing member and having a circular series of circular openings therein, a pivotally mounted disk wheel bearing upon its upper face a circular series of words or marks, a detent wheel associated with said disk wheel, a yielding pivotally mounted lever having a detent in engagement with said detent wheel to normally hold said disk wheel in position to present the circular series of words or marks thereon to the circular series of openings in said plate, a pinion associated with said disk wheel, a revolubly mounted shaft provided with a gear wheel enmeshed with said pinion and with a bell shaped member, a revoluble slidingly mounted clutch member vertically aligned with said shaft, said clutch member comprising a body portion provided with a horizontally dis-

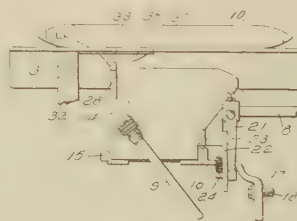
posed pivoted lever adapted to be turned by centrifugal force to impinge upon the inner side of the bell shaped member, a spool associated with said clutch member, a pivotally mounted lever having a yoke engaging said spool to raise and lower said clutch member, a pinion associated with said clutch member, a revolubly mounted spur gear wheel enmeshed with said last mentioned pinion, and power receiving and power imparting devices for driving said spur gear wheel and thereby impart motion to said clutch member.

- 1,463,291. MEANS FOR SECURING TIRES TO VEHICLE WHEELS. JAMES M. MUNDY, Brooklyn, N. Y. Filed Oct. 7, 1920. Serial No. 415,425. 1 Claim. (Cl. 152-21.)



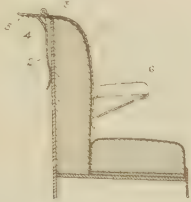
A wheel of the character designated, comprising a spoke disc formed with a flanged peripheral felloe rim and a fulcrum hole in its face, a flanged annular clamping plate fitted to the face of the spoke disc and formed with a pry hole positioned with relation to the aforesaid fulcrum hole in the spoke disc and also formed with a plurality of elongated concentric slots, shouldered attachment lugs protuberant from the face of said spoke disc and fitting in said elongated concentric slots in the annular clamping plate, the contactual surface engagement between said shouldered attachment lugs and the outer face of said annular clamping plate being wedgeable, and means for locking said annular clamping plate and shouldered attachment lugs on the spoke disc in wedged relationship, for the purpose described.

- 1,463,292. FEELER LOOM. JONAS NORTROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed May 26, 1917. Serial No. 171,129. 5 Claims. (Cl. 39-255.)



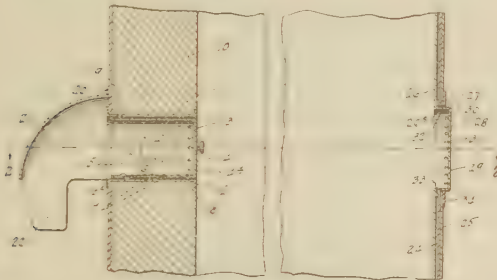
1. A thread extracting device for automatic looms having, in combination, a rock shaft, a tilting bobbin chute, connections between the rock shaft and the bobbin chute whereby the latter is held in inoperative position during regular weaving and moved to operative position upon an oscillation of the rock shaft, and a thread hook on the lay, the tilting bobbin chute being constructed and arranged to engage a filling end extending from the ejected bobbin through the shuttle eye, and upon being tilted back into its inoperative position to positively carry the filling to the mouth of the thread hook to effect a positive engagement therewith.

1,463,293. DETACHABLE ARMREST FOR AUTOMOBILES OR THE LIKE. LAWRENCE S. PADDOCK, Philadelphia, Pa. Filed July 1, 1922. Serial No. 572,161. 6 Claims. (Cl. 296—1.)



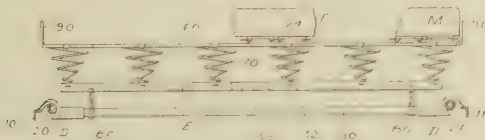
1. In an article of the class described, in combination, a carrying member having front and rear portions adapted to slip over and grip the back of a seat, said rear portion being adjustable on said front portion and a freely removable arm support attached to said front portion thereof.

1,463,294. VENTILATING APPARATUS FOR PULLMAN CARS. ELIZABETH A. ROBINSON, Scranton, Pa. Filed Feb. 25, 1922. Serial No. 539,193. 7 Claims. (Cl. 98—22.)



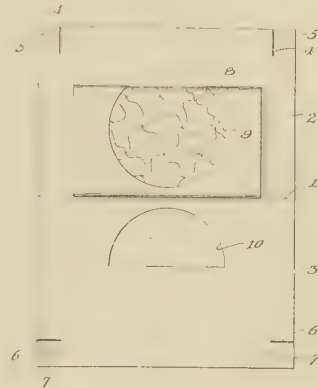
1. In a vehicle ventilator, the combination with a side wall of the vehicle having an opening formed therein, of a tube mounted within the opening, a regulator mounted within the tube for controlling the passage of air therethrough, and means stationary with respect to the vehicle wall disposed exteriorly of the vehicle, including a deflector directing air into the opening during movement of the vehicle in one direction, and a second deflector directing air into the opening during movement of the vehicle in the opposite direction.

1,463,295. AUXILIARY SPRING ATTACHMENT FOR SPRING BED BOTTOMS. SAMUEL ROSENBLOOM, Lowell, Mass. Filed Nov. 17, 1922. Serial No. 601,627. 4 Claims. (Cl. 5—229.)



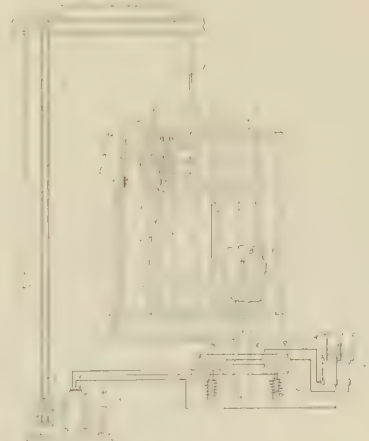
1. The combination with a bed having side rails and a spring bed bottom having side bars, of an auxiliary spring attachment including parallel spacing bars having guide rod holes and adjusting slots, supporting dogs slidable on said spacing bars and having bolt holes which register with the adjusting slots and jaws which engage the side bars, the upper jaw having a nose which engages a side rail, adjusting bolts which pass through said bolt holes and adjusting slots, winged nuts for said adjusting bolts, adjustable guide rods which extend from the rigid bottom frame downwardly and pass through the rod holes in the spacing bars, auxiliary compression springs each surrounding a guide rod between a spacing bar and the bottom frame, a top frame bent up at each side to form a mattress holder, and helical springs carried by the bottom frame and supporting the top frame so positioned as to form a hollow rectangle.

1,463,296. RECEPTACLE. HARRY SIMON, New York, N. Y., assignor to Sitroux Importing Company, Inc., a Corporation of New York. Filed June 14, 1921. Serial No. 477,419. 2 Claims. (Cl. 206—46.)



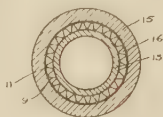
1. A receptacle of the class described including a strip folded lengthwise, intermediate of its ends to form a receptacle, an auxiliary receptacle disposed between the folded portions of the main receptacle, said auxiliary receptacle having an opening to disclose the contents thereof, the main receptacle being provided with an opening upon one side whereby to display the contents of the auxiliary receptacle and interengaging means for detachably securing the ends of the strip to retain the side walls thereof in a folded position and whereby to retain the auxiliary receptacle in position within the main receptacle.

1,463,297. SAFETY DEVICE FOR ELEVATOR CARS. HERBERT S. SNEAD, Montclair, N. J., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 12, 1922. Serial No. 528,590. 11 Claims. (Cl. 187—31.)



9. In an elevator the combination of the elevator car, an electric hoisting motor, a car gate, a cam on the car affixed to the car gate and having two camming surfaces, a shaft door and a cam thereon, an electrical switch mounted on the car and in the controlling circuit of the motor, adapted to be closed by the car gate when closed, the cam on the car adapted to strike by either of its camming surfaces, in the travel of the car, the cam on the shaft door and result in camming the car gate open and the opening of the switch on the car to stop the car.

- 1,463,298. COVERING FOR BOILERS, PIPES, AND THE LIKE. EDWARD SPICER, Vancouver, British Columbia, Canada. Filed Nov. 23, 1921. Serial No. 517,301. 6 Claims. (Cl. 154—45.)



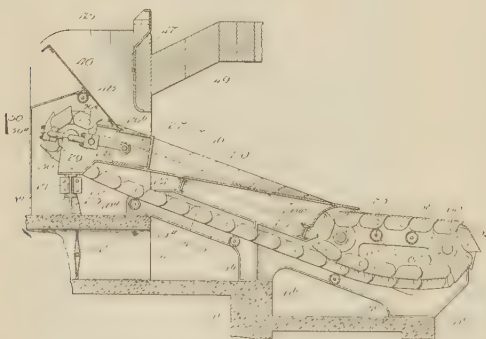
1. A covering for boilers comprising a layer of heat insulating material laid directly on and wrapped tightly around the boiler shell of a thickness designed to prevent heat radiation from the shell, flexible corrugated bands wrapped around said layer with the corrugations disposed longitudinally of it, and a metal casing surrounding the boiler and spaced from the heat insulating layer by the bands, said casing being capable of being tightened whereby the layer is frictionally held to the boiler shell and the layer, bands, and casing frictionally held one to the other.

- 1,463,299. BALL CAGE FOR RADIAL BALL BEARINGS. EMIL STAAKE, Gottenborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed Sept. 10, 1921. Serial No. 499,781. 4 Claims. (Cl. 64—59.)



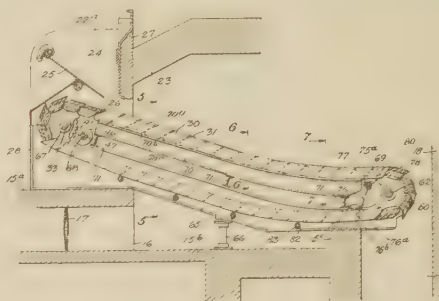
4. A ball cage for ball bearings comprising opposing rings adapted to receive the balls between them, and lugs on one of the rings extending through holes in the other ring and engaged fixedly therewith to hold the rings together, said lugs consisting of portions of the ring separated from the metal thereof wholly between the edges of the ring and extending laterally to engage the other ring.

- 1,463,300. AUTOMATIC STOKER. LOYD R. STOWE, Maplewood, Mo. Filed June 16, 1919. Serial No. 304,534. 3 Claims. (Cl. 110—40.)



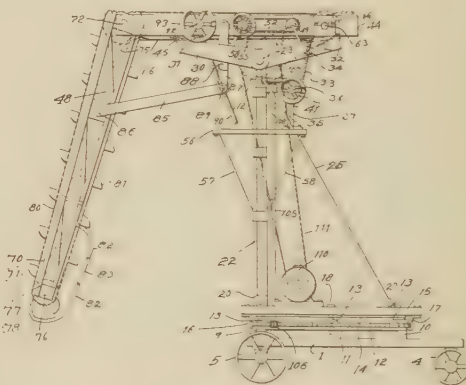
1. The combination in a stoker of spaced grate chains inclined downwardly at their forward portions, feeding troughs, pusher members coaxing therewith, said troughs being mounted between said spaced chains and having the sides thereof tapered to accord with the inclination of said chains, and substantially horizontal endless chains located at the extremity of each of said troughs between said first named chains adapted to retard the movement of the fuel at the forward end of the stoker.

- 1,463,301. STOKER. LOYD R. STOWE, Maplewood, Mo. Filed July 17, 1919. Serial No. 311,455. 16 Claims. (Cl. 110—40.)



1. The combination in a stoker of a grate comprising two series of grate chains, the upper surface of the chains of one series lying in a plane different from the plane of the upper surface of the chains of the other series, the chains of one series being arranged to alternate laterally across the grate with the chains of the other series.

- 1,463,302. CAR UNLOADER. FLOYD E. TOWNSEND, Berkeley, Calif., assignor of one-half to E. G. Palmer, San Francisco, Calif. Filed Nov. 29, 1920. Serial No. 426,913. 5 Claims. (Cl. 198—118.)

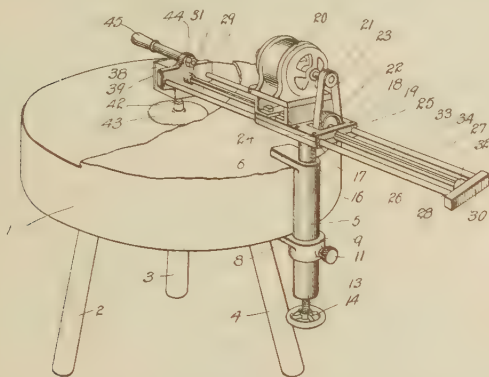


1. An apparatus of the character described comprising a truck, supporting posts carried thereby, a tilting frame, arms carried by said frame and movable parallel to its axis, means for tilting the frame, means for moving said arms, a swinging elevator leg supported by said arms, an elevator chain carrying buckets passing around said swinging elevator leg, means to adjust the position of the elevator leg and means to operate the elevator buckets independently of the adjusting mechanism.

- 1,463,303. SURFACING MACHINE. CHARLES T. ADAIR and CARL G. FREDERICK, Kansas City, Mo. Filed Mar. 31, 1922. Serial No. 548,306. 4 Claims. (Cl. 144—2.)

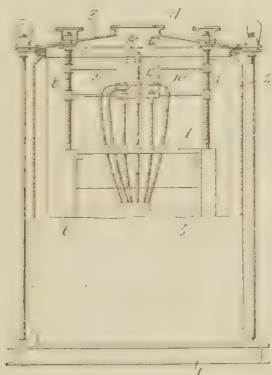
1. A surfacing machine comprising a base, means for clamping the base to the work to be surfaced, a plate having a swivel mounted in the base, a second plate fastened to the first plate, an arm comprising a skeleton frame consisting of side bars and end bars, the side bars being slidable in grooves in the two plates, a shaft journaled in the end bars and slidable between the two plates, the

shaft having a longitudinal groove, a pulley mounted in the plates and having a keyed connection with the groove in the shaft, a motor carried by one of the plates, a driv-



ing connection between the motor and the pulley, and a saw carried by one of the end bars and in driving connection with the shaft.

1,463,304. TRANSFORMER-CONTROLLING MEANS. ROBERT V. BINGAY, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Feb. 20, 1922. Serial No. 537,743. 3 Claims. (Cl. 175—356.)

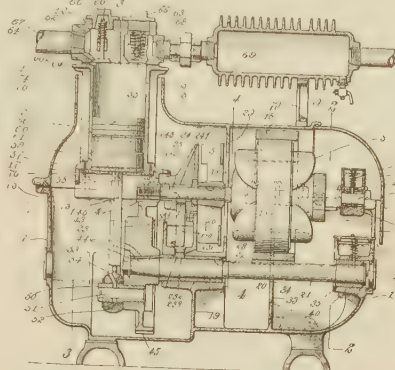


1. The combination of a transformer, an enclosing casing, leads from the windings of said transformer, sets of contacts within said casing in alignment with each other to which said leads are connected, a support having guiding means in alignment with each set of contacts, and a rod or rods adapted to engage said guiding means and engage said contacts.

1,463,305. PUMPING APPARATUS. SAMUEL DUNCAN BLACK and ALONZO GALLOWAY DECKER, Baltimore, Md., assignors, by mesne assignments, to The Maryland Trust Company, trustee, a Corporation of Maryland. Filed July 23, 1919. Serial No. 312,784. 6 Claims. (Cl. 230—6.)

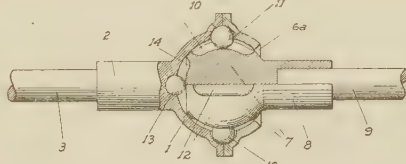
1. A pumping apparatus consisting of a pumping cylinder, a piston, a crank and a crank shaft, a motor, means connecting the motor to the pump crank shaft to drive the same, suitable bearings for said parts, a fan connected to said members to move therewith, a casing enclosing said members, the casing having an opening adjacent one end to admit air and having a transverse partition near said end with an aperture in which the motor is set, the fan being immediately in line with said opening beyond the motor, a turret in the casing open at one end, the pump cylinder being set in the turret with the opening encircling the cylinder near the head,

the fan having the effect of drawing a current of air in at the opening at one end, passing it in contact with the



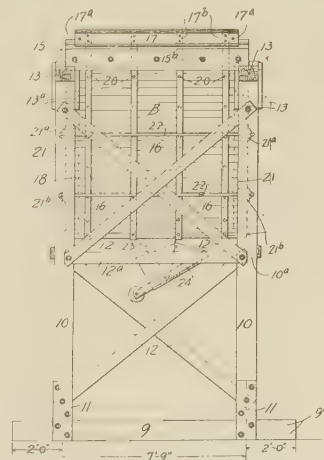
bearings through the motor to the fan and delivering it so that it sweeps the pump cylinder, passing out through the openings at the end of the turret.

1,463,306. UNIVERSAL JOINT. CHARLES L. BUSHNELL, Vacaville, Calif. Filed Apr. 15, 1922. Serial No. 553,119. 1 Claim. (Cl. 64—91.)



A universal joint comprising a primary ball and socket arranged in co-operative position, a secondary socket in the bottom of the primary socket, a single ball seated in said secondary socket, the primary ball having a square head intercepted by a groove shaped to present a curved abutting surface against the secondary ball, the curvature of said surface and secondary ball being the reverse with respect to each other, and ball bearing driving connections between the primary ball and socket.

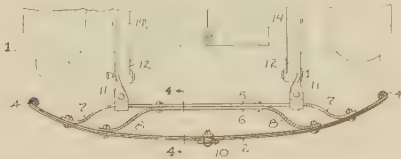
1,463,307. STORAGE BIN. JOHN P. CASE, Chicago, Ill., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio., a Corporation. Filed June 7, 1922. Serial No. 566,526. 5 Claims. (Cl. 20—1.2.)



1. A knockdown storage bin made up of the combination of a supporting frame, oppositely related bin-sustaining girders mounted thereon, a series of downwardly

extending substantially parabolic-shaped bar-members removably suspended from said girders, and a series of scantling-like members, fastened together side by side, upon the bottom and sides of said bar-members and cross-wise of the same, substantially as shown and described.

1,463,308. SPRING FENDER OR BUMPER. WILLIAM G. COX, Cleveland, Ohio. Filed Apr. 20, 1923. Serial No. 633,445. 8 Claims. (Cl. 293—55.)

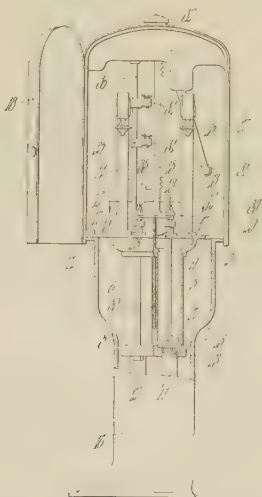


1. A flexible fender or bumper for a vehicle, comprising a pair of striking members made of spring band metal, and a pair of brace springs secured together intermediate their ends and having offset extremities engaging the opposite ends of said striking members.

1,463,309. DEODORIZING AND IMPROVING THE QUALITY OF CREAM AND BUTTER FAT. ELMER M. DAVIS, Chicago, Ill., assignor to Swift & Company, Cook County, Ill., a Corporation. Filed Sept. 6, 1922. Serial No. 586,528. 7 Claims. (Cl. 99—11.)

1. Method of deodorizing cream and butter fat, which comprises heating the same in admixture with regulated amounts of a diluent, to a temperature of from about 170° to about 210° F., violently agitating the same by directing therethrough rapid current of finely divided air, and continuing the heating and the agitation until a considerable portion of the moisture has been removed by evaporation and desired deodorization has been effected, substantially as described.

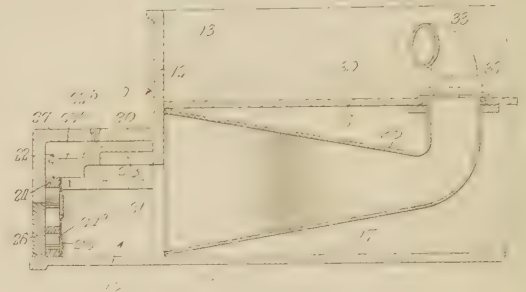
1,463,310. DISPENSING PUMP. JOHN B. DAVIS, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a Corporation of Massachusetts. Filed July 18, 1921. Serial No. 485,502. 7 Claims. (Cl. 103—11.)



1. In a dispensing pump, the combination with a single reciprocable pump-actuating means, of a plurality of

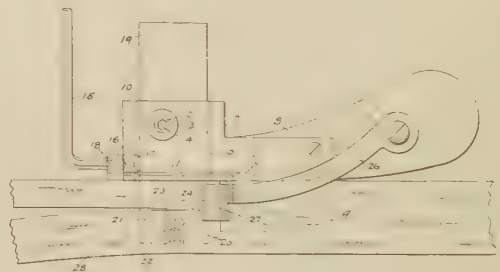
pump cylinders, a piston and piston rod for each cylinder, and a single member carried by the first named means and movable to engage with any one of said rods to connect the same to said actuating means.

1,463,311. PHONOGRAPH. BENJAMIN H. DIETZ and ALBERT E. HANSEN, Chicago, Ill. Filed May 21, 1921. Serial No. 471,384. 3 Claims. (Cl. 274—2.)



1. A phonograph, comprising a piano-like casing having a dummy keyboard provided with openings therein, a sound reproducing mechanism in the casing spaced from the keyboard, and means providing a sound chamber leading from the sound reproducing mechanism and terminating at the keyboard.

1,463,312. LEATHER CUTTER. THOMAS M. DILLINGER, Portland, Oreg. Filed Mar. 22, 1922. Serial No. 545,882. 3 Claims. (Cl. 164—36.)



1. In a cutting device, the combination of, a frame having a transverse horizontal opening and a vertical guide face, a knife carrier extending through and slidable in said frame opening, the carrier having a vertical knife secured in same, a vertical set pin positioned in the frame to allow it to engage the carrier beyond the guide face and act as a pivot for the carrier, and a horizontal set pin positioned in the frame to allow it to engage the edge of the carrier and move same radially until the cutting edge of the knife is arranged along a path of travel in parallel alignment with the opposing guide face, and the two pins to secure the carrier rigidly in such position.

1,463,313. JAPANNING APPARATUS. DAVID F. DOMIZI, Cleveland, Ohio. Filed Apr. 15, 1920. Serial No. 374,188. 18 Claims. (Cl. 91—46.)

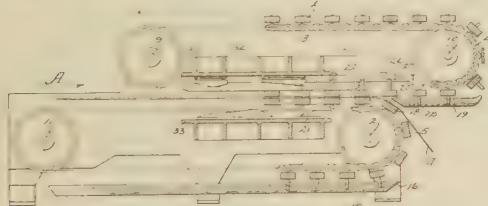
1. In an apparatus for japanning articles, a conveyor for the articles to be japanned, means for immersing the

articles in a japanning solution comprising a pair of vertically movable receptacles beneath a portion of the con-



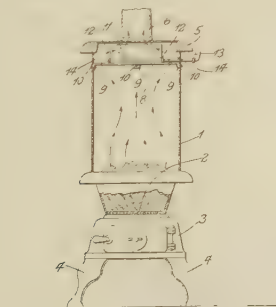
veyor, and means for raising and lowering said receptacles, said receptacles being connected so as to be simultaneously moved in opposite directions.

1,463,314. MACHINE FOR MAKING SHINGLES AND METHOD OF CLEANING AND LUBRICATING DIES. SILAS M. FORD, St. Paul, Minn. Filed Oct. 10, 1919. Serial No. 329,874. 11 Claims. (Cl. 164—28.)



1. In a machine for making shingles through the operation of dies carried in travelling die bars, the combination with, a frame, of multiple die bars, a stationary guide for said die bars carried by the frame, and a spring mounted guide for said die bars likewise carried by said frame for holding said die bars firmly against the material to be operated upon, while passing between said guides and means for causing said die bars to travel with respect to said guides.

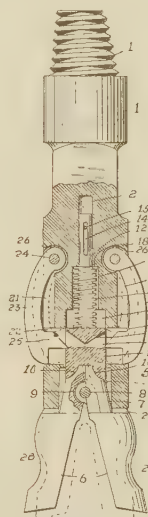
1,463,315. STOVE. RICHARD FUTRAL, St. Louis, Mo., assignor to St. Louis Stove Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 11, 1922. Serial No. 587,346. 6 Claims. (Cl. 126—58.)



1. In a stove, the combination with a drum, of a grate, a top supported by the drum, a flue outlet from the top near the back thereof, a plate extending across approximately half of the drum near the top thereof thereby forming a compartment at the top of the combustion chamber, and a vertical plate connected with the front edge of said first-named plate, the ends of said last-named

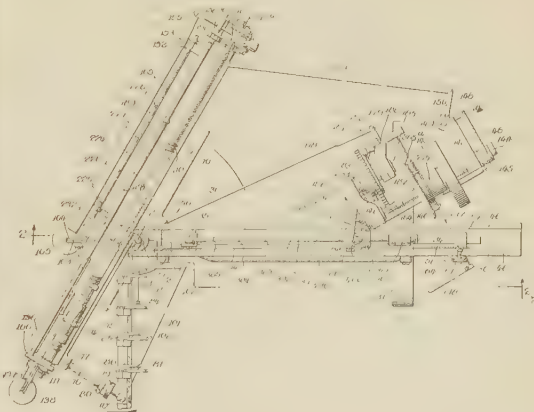
plate being spaced from the drum thereby forming outlet openings whereby the products of combustion are deflected at the top of the combustion chamber.

1,463,316. UNDERREAMER. CHARLES L. GIEBELL, Pennsboro, W. Va., assignor of one-half to Charles L. Dunham, Pennsboro, W. Va. Filed Sept. 18, 1922. Serial No. 588,793. 5 Claims. (Cl. 255—76.)



1. A reamer comprising a body portion having its lower end provided with a central bore, cutters having shanks extended into said bore, said shanks having interengaging means for pivotally connecting said cutters to the body portion, a spring actuated expander vertically shiftable in said bore and adapted to engage said shanks for expanding said cutters, said expander formed intermediate its ends with a transversely extending opening having one of its walls oppositely bevelled, and means movable towards and pivotally connected at the upper end to said body portion and having the lower end provided with inwardly extending tapered arms engageable in said opening to coact with said bevelled wall to elevate said expander to permit of the contraction of said cutters.

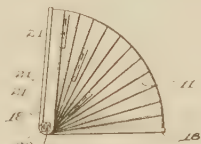
1,463,317. GRADUATING APPLIANCE. HANS N. HALVERSEN, Vineland, N. J., assignor to Kimble Glass Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 5, 1920. Serial No. 371,194. 24 Claims. (Cl. 33—21.)



1. In a graduating-appliance of the character described, the combination of means to support the body to be graduated, scriber means for marking graduation lines on said body, means for moving said body and scriber relatively to one another to provide the spaces between the lines, and means to automatically control said scriber means to

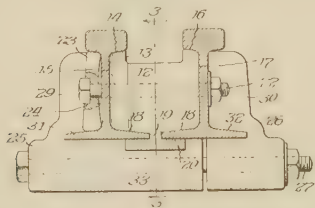
mark the lines on said body normally partway around the same but with certain of such lines extending entirely around the body, substantially as described.

- 1,463,318. REGISTER WALL GUARD. EDWARD G. HEARTICK, Louisville, Ky. Filed Jan. 9, 1922. Serial No. 527,859. 5 Claims. (Cl. 98—50.)



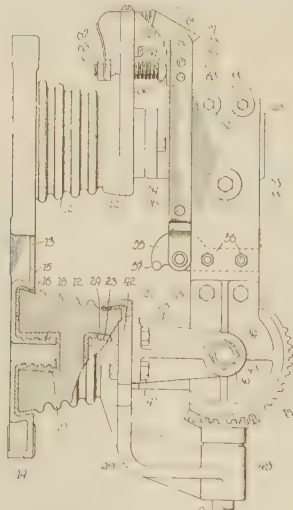
1. In a device of the kind described, a hood formed of a single piece of sheet metal having its central portion bent to arcuate shape and its ends slit and bent at right angles to the body to provide strips having their free ends overlapping, and means to hold said free ends in overlapping relation and the free ends on one side in fixedly spaced relation to the free ends on the other side.

- 1,463,319. GUIDE RAIL. CHARLES J. HOHMAN, Sr., Elmhurst, Ill. Filed Aug. 17, 1922. Serial No. 582,349. 4 Claims. (Cl. 238—21.1.)



1. A spacer block constructed to be arranged between a guard rail and another rail, said block being provided with a portion which engages the under side of said rails and provides a support for said rails, said block having means whereby a clamping element which engages said rails and has a portion which is disposed below said rails is held against movement relatively to said block.

- 1,463,320. SWITCH. ERNEST H. JACOBS, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed June 20, 1918. Serial No. 240,942. 38 Claims. (Cl. 200—48.)

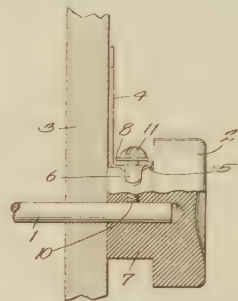


17. In combination, a switch having a pivoted blade, a shaft for operating the blade, gears connecting the blade and the shaft, an angularly adjustable coupling connected in said shaft and a handle for the shaft.

21. In a switch, a main movable member, a main contact, an auxiliary member, an auxiliary contact, means for

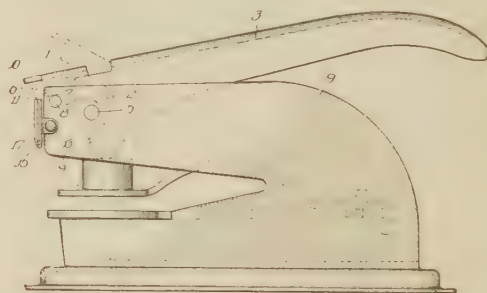
separating the auxiliary parts and a positive latch member independent of the main switch parts for holding said parts in engagement until a predetermined position in the opening of the main member is reached.

- 1,463,321. INDICATING DEVICE. PETER G. JACOBSON, Chicago, Ill. Filed Aug. 30, 1922. Serial No. 585,279. 3 Claims. (Cl. 116—124.)



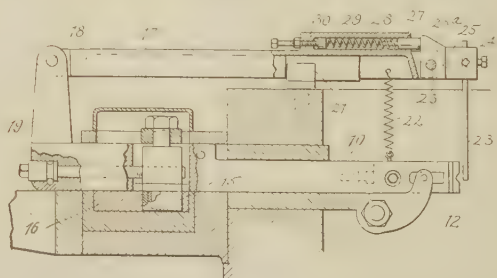
1. In an indicating device, the combination with a pointing arm formed of spring metal and having a base angular thereto and formed integrally therewith, this base having a continuation spaced apart from the base and forming a U-fold therewith; of a knob for carrying the pointing arm; a shaft carrying said knob; and a headed screw passing through the sides of the U-fold into holding engagement with said knob and in abutting engagement with a side of said shaft, the head of the screw engaging and pressing upon the free side of the fold.

- 1,463,322. SEAL-PRESS IDENTIFICATION. MARSHALL H. JACKSON, Chicago, Ill. Filed Feb. 26, 1923. Serial No. 621,226. 2 Claims. (Cl. 101—3.)



2. The combination with a seal press having an adjustable member projecting at the front of the frame, of a tag holder arranged at the front of the frame and cooperating with the adjustable member to retain the tag.

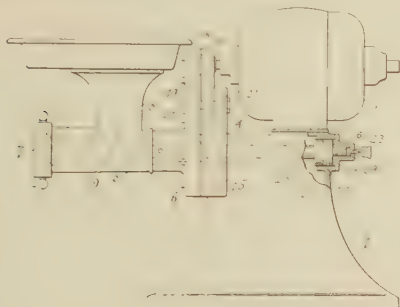
- 1,463,323. BLANK CARRIER FOR HEADING MACHINES AND THE LIKE. AUGUST W. JANSSON, Kent, Ohio, assignor to The Kent Machine Company, Kent, Ohio, a Corporation of Ohio. Filed Feb. 18, 1920. Serial No. 359,599. 7 Claims. (Cl. 10—25.)



2. A carrier for use in connection with a reciprocating cutter and cutter bar comprising a carrier bar adapted to be supported on the cutter bar, a finger block pivotally

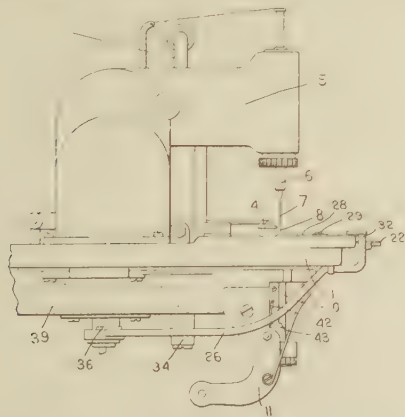
supported on the carrier bar, a carrier finger supported by said block and a device yieldable in a direction lengthwise of the carrier bar and yieldingly resisting the movement of the block in one direction.

1,463,324. POWER-DRIVEN GRINDER. WILLIS E. KIDNEY, Cleveland, Ohio, assignor to The Cleveland Electric Machine & Mfg. Co., Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 10, 1923. Serial No. 618,266. 3 Claims. (Cl. 146—182.)



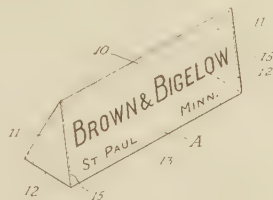
1. A power driven grinder, comprising a supporting stand, a motor carried by said stand, a grinder casing detachably secured to the front end of said stand, a screw in said casing, a drive shaft for said screw extending through the supporting stand and journaled therein, said shaft being directly connected to said screw, said drive shaft having a reduced rear end portion providing a thrust shoulder, and said supporting stand having a bearing receiving recess at its rear end, gearing connecting said motor and shaft, and a removable thrust bearing upon the reduced rear end of said shaft and fitting within the recess at the rear end of the stand.

1,463,325. SEWING MACHINE. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Apr. 27, 1920. Serial No. 376,951. Renewed Jan. 20, 1922. Serial No. 530,725. 7 Claims. (Cl. 112—255.)



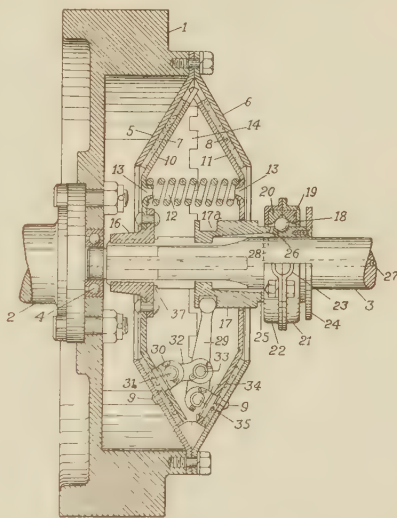
1. In a two-thread sewing machine of the type adapted to sew a short seam and then come to rest, the combination with a frame, of work-holding means carried thereby, means to give a feeding movement to the work-holding means, a rotary turret mounted in the frame and carrying the under-thread mechanism, a tension for the under thread carried by the turret, means to pull off a length of under thread through the tension at the end of each sewing operation, and means actuated thereby to release the tension on the under thread while such length is being pulled off.

1,463,326. DISPLAY SIGN. FRANK J. KRISTOFEK, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Mar. 24, 1921. Serial No. 455,068. 2 Claims. (Cl. 40—125.)



2. A display sign comprising a sheet metal backing, a celluloid covering for said backing, supporting members formed integral with the ends of said backing, an intumed marginal edge formed about the body of said backing and edge of said supporting ends adapted to clamp the celluloid covering over the same and notches formed in said marginal edge adapted to form weakening means to allow the ends to fold backward to form supports for the body of said sign.

1,463,327. POWER-TRANSMISSION CLUTCH. OTTO LEROY LEWIS, Chicago, Ill. Filed Feb. 8, 1922. Serial No. 534,998. 2 Claims. (Cl. 192—70.)

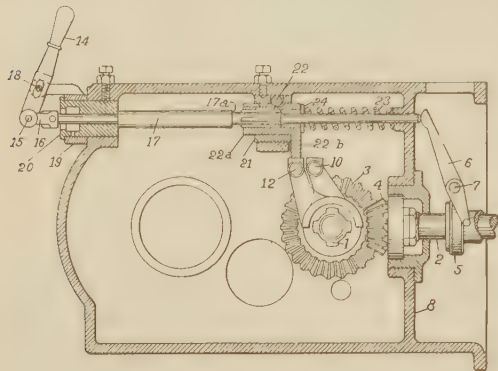


1. A power transmission clutch of the character described, including a driving member, a pair of friction plates attached to the driving member, friction linings attached to the inner surfaces of these plates, a pair of dished interlocking plates included between the friction linings and capable of making frictional driving contact with the same, springs for forcing the interlocking plates outwardly against the friction linings, a driven shaft, a hub concentric with the interlocking or driven plates and acting as a driver between the driven plates and the driven shaft, means for limiting the travel of the hub along the shaft, levers attached by hinge pins to one of the interlocking plates and by hinge pins through swinging links to the other interlocking plate, and means for operating said levers in a manner to permit or release the spring pressure between the interlocking plates.

1,463,328. GEAR-SHIFTING DEVICE FOR TRANSMISSIONS. OTTO LEROY LEWIS, Chicago, Ill. Filed Feb. 8, 1922. Serial No. 534,999. 4 Claims. (Cl. 74—37.)

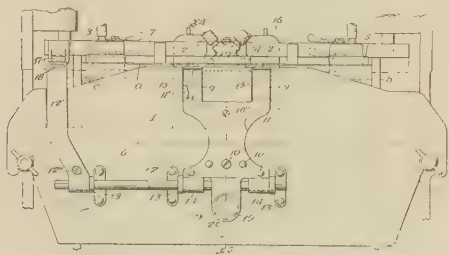
1. In an apparatus of the character described, a clutch release member operated by a plunger, a plunger capable of reciprocating and rotary movements, means for impart-

ing reciprocating and rotary movements to the plunger, a plurality of gear shifting members, means for imparting



movement to the gear shifting members by the rotary movement of the plunger, means for locking the gear shifting members in predetermined positions and relations.

1,463,329. INDIVIDUAL SHEET AND ENVELOPE SEPARATOR FOR PNEUMATIC FEEDERS. CHARLES HUGH MARTIN, Los Angeles, Calif. Filed Apr. 18, 1922. Serial No. 555,004. 12 Claims. (Cl. 271—61.)



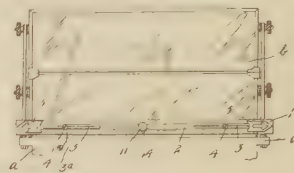
1. In a sheet separator, the combination with a barrier and pneumatic means adapted to lift a sheet from the top of a stack, and a spring operated tappet having a protuberance for loosening lifted sheets not in direct contact with the lifting means; of means operable by the lifting means to retract the protuberance from the path of the topmost sheet as it passes the protuberance, and adapted to allow the spring operated tappet to be returned to tap lifted sheets not in touch with the lifting means.

1,463,330. WATER-TREADING APPARATUS. HENRY MEYER, Detroit, Mich. Filed Sept. 26, 1922. Serial No. 590,569. 2 Claims. (Cl. 9—21.)



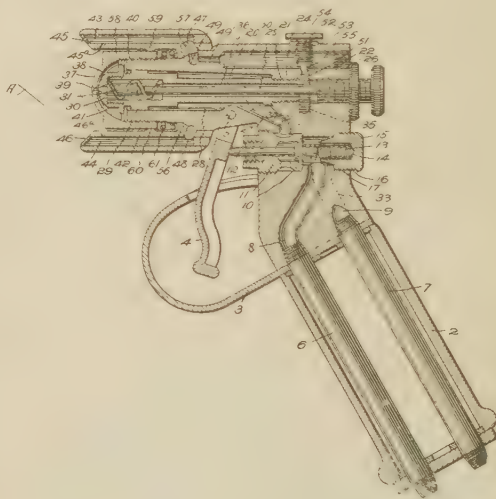
1. A water treading apparatus comprising a central hollow frame, footholds carried thereby, a plurality of buoyant elements attached to the ends of said frame, said buoyant elements decreasing progressively in diameter from the frame outwardly, means controlling the admission of air to said buoyant elements, sectional rails engaging the opposite sides of said elements, means at the point of said rails permitting breaking in one direction and holding rigidly in other directions, and means for detachably engaging the adjacent sections of said elements to said frame.

1,463,331. VEHICLE TURNING SIGNAL. HARRY MINER, Minneapolis, Minn. Filed Jan. 17, 1921. Serial No. 437,798. 4 Claims. (Cl. 177—327.)



1. A signal device having in combination, a bar adapted to extend substantially across the body of an automobile adjacent to the wind shield, a signal arranged for illumination carried at each end of the bar, said bar having longitudinal slots formed therein, retaining means passing through said slots, and means for sliding said bar on said retaining means to project the signals at one side or the other of the automobile, a circuit making contact below and engaging said bar and spaced contacts carried by said bar adapted to be brought into engagement with said contact as the bar is moved to one side or the other.

1,463,332. APPARATUS FOR APPLYING COATING. LEE H. PARKER, Boston, and HERBERT W. DAY, Wollaston, Mass., assignors to Spray Engineering Company, Boston, Mass., a Corporation of Massachusetts. Original application filed Oct. 9, 1920, Serial No. 415,737. Divided and this application filed Mar. 1, 1922. Serial No. 540,116. 7 Claims. (Cl. 91—45.)

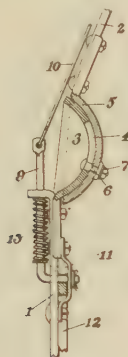


5. Means for applying coating comprising means to supply coating material, means to subject the same to the action of compressed air or other motive agent, thereby effecting the discharge of the coating material and means to discharge compressed air or other motive agent at opposite sides of the discharge of coated material and in a plurality of jets at each of said opposite sides.

1,463,333. LEVER. WILLIAM L. PAUL, Berkeley, Calif., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Mar. 5, 1921. Serial No. 450,051. 4 Claims. (Cl. 74—29.)

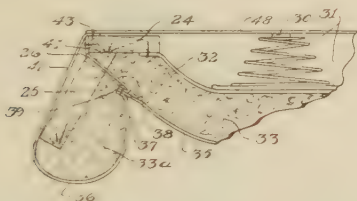
1. A lever composed of two parts and having one of said parts pivotally mounted on a support, means for

connecting the two parts together, said means including a spherical segment rigidly secured on the pivoted part,



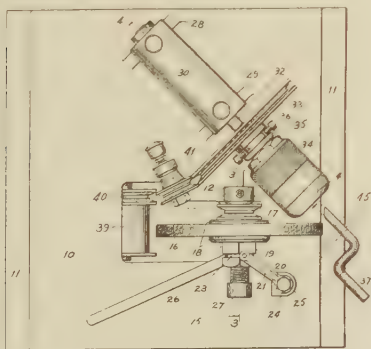
a spherical segment rigidly secured on the other part and superimposed on the first segment, and means to secure the segments together.

1,463,334. METHOD AND MEANS FOR MAKING UP-HOLSTERED FURNITURE. DAVID POPKIN, Malden, Mass. Filed Aug. 23, 1922. Serial No. 583,786. 5 Claims. (Cl. 155—184.)



1. A frame structure, having wing members provided with openings therein, and a cover member for said frame structure provided with wing pockets therein for fitting said wing members, said cover member being further provided with anchoring tabs at the juncture of said wing pockets therewith which are adapted to be drawn through the openings of said wing members for anchoring purposes.

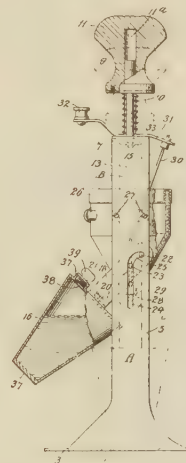
1,463,335. GRINDING MACHINE. OTIS F. PRESBRY, Brooklyn, N. Y. Filed Oct. 27, 1921. Serial No. 510,792. 1 Claim. (Cl. 51—105.)



The grinding machine hereinbefore described comprising a supporting bed plate, a rotary grinding wheel mounted thereon, means for manually moving said wheel during the rotation thereof along the line of its

axis, a rotary self-closing chuck mounted on a tubular shaft at an angle to the peripheral face of said wheel and adapted to hold the work for presentation to said face, means for manually moving said chuck and its shaft along the line of the longitudinal axis thereof, and means for rotating said grinding wheel and chuck, the means for mounting said grinding wheel being a stationary axle held in a standard extending upwardly from said bed-plate and a tubular shaft mounted on said axle and upon which said grinding wheel, a pulley wheel and a threaded hub are secured in unitary relation so as to be bodily movable along and on said axle, the means for shifting said grinding wheel along the line of its axis consisting of a shipper frame pivotally mounted on a standard extending upwardly from said bed-plate and having arms engaging said hub and a lever for manually moving said frame on its pivotal support, and the means for rotating said grinding wheel and chuck being an electric motor having a belt connection with said pulley wheel and a belt connection with a pulley wheel on the tubular shaft of said chuck.

1,463,336. ELECTRIC SEALING DEVICE. WALTER REUSCH, New York, N. Y., assignor to Electric Sealing Machine Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 15, 1921, Serial No. 445,248. Renewed Jan. 2, 1923. 5 Claims. (Cl. 120—116.)

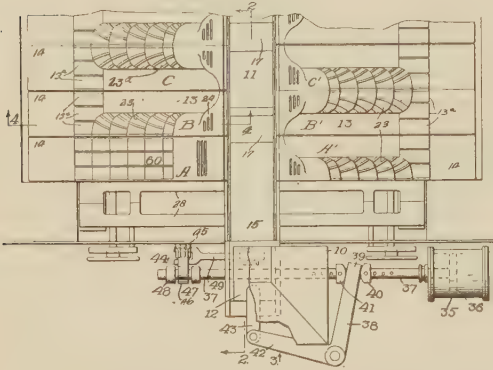


4. A device of the character described, comprising a frame provided with an upright slot and with a curved slot connected with said upright slot at its upper end, a receptacle rigidly secured to said frame and having an outlet, a valve for normally closing said outlet, means for opening said outlet, a receptacle holder adapted to contain a cooling medium, a die carried by said receptacle said receptacle and die being movable with respect to the frame and provided with pins adapted to move in said upright slot, one of said pins being also adapted to move in said curved slot, so as to swing the receptacle with respect to said frame, and means for moving said holder and bringing the die into contact with material previously delivered from said outlet, so as to make an impression thereon.

1,463,337. UNDERFEED STOKER. ROBERT SANFORD RILEY, Worcester, Mass., assignor to Sanford Riley Stoker Co., Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 4, 1919. Serial No. 315,166. 12 Claims. (Cl. 110—47.)

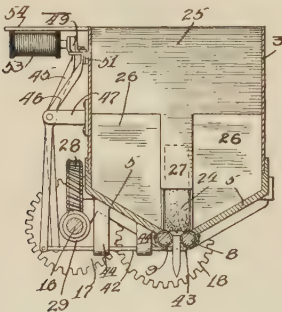
1. An underfeed stoker comprising a longitudinal retort, means to feed coal to said retort, a plurality of

lateral retorts communicating with said longitudinal retort and each formed in a plurality of parts extending



in the direction of the retort length, and means to move said lateral retort parts to assist lateral movement of the fuel.

1,463,338. SCREW-FEEDING DEVICE. SIMON E. SCHROEDER, Oak Park, Ill. Filed Jan. 3, 1919, Serial No. 269,510. Renewed Sept. 2, 1922. Serial No. 586,050. 9 Claims. (Cl. 10—162.)

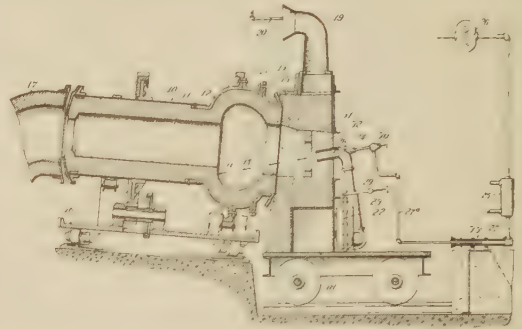


9. In a device of the class described, a pair of members suitably spaced to engage the head of a screw and permit the stem of the screw to hang downwardly therebetween, said members having cut away portions to allow the head of the screw to pass between the members at the point of discharge, means for moving the screws along the members towards the cut away portions, a pair of fingers extending transversely of the members for restraining movement of the screws toward the point of discharge, means for withdrawing one finger to allow a screw to enter the space between the fingers and subsequently projecting such finger to separate said screw from the other screws and simultaneously withdrawing the other finger to allow said screw to pass to the point of discharge.

1,463,339. PROCESS OF BALLING SCRAP METAL. JOHN M. SELLERS, Downers Grove, Ill., assignor to Sellers Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 3, 1922. Serial No. 549,310. 9 Claims. (Cl. 75—50.)

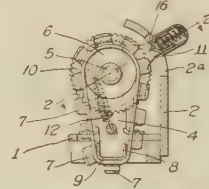
1. Method of manufacturing wrought iron from metal scrap which comprises preheating the scrap without re-

ducing it to a molten state and then collecting a charge of the preheated scrap and balling it by rolling, while



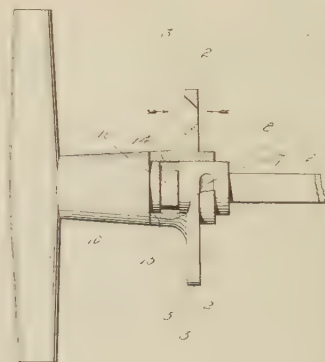
subjected to a high temperature produced by the combustion of a fuel in suspension in immediate contact with such metal in the space in which the metal is balled.

1,463,340. BAND DATING STAMP. MORRIS SHERAS, Chicago, Ill., assignor to A. D. Joslin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 28, 1922. Serial No. 584,671. 7 Claims. (Cl. 101—111.)



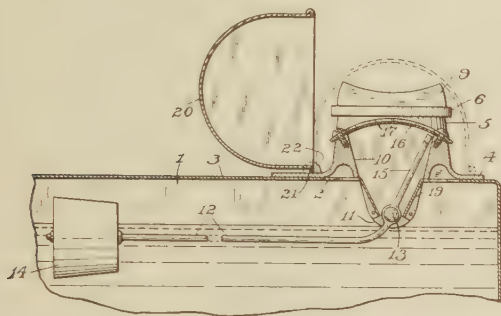
1. In a stamp, in combination, revoluble type drums, adjusting wheels connected thereto, an adjusting lever movably associated with the wheels, and a manipulative member supported on the lever and movable to engage a wheel to transmit movement from the lever to the type drum, said lever being operable in opposite directions to advance or retract type with respect to the printing point.

1,463,341. HANDLE. WILLIAM A. SOMERS, Hamden, Conn., assignor to The Mt. Carmel Manufacturing Company, Mount Carmel, Conn., a Corporation of Connecticut. Filed Sept. 10, 1921. Serial No. 499,703. 15 Claims. (Cl. 292—348.)



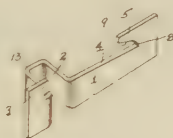
1. A handle having a shank portion; an escutcheon rotatably mounted thereon; and means occupying a position that is at a right angle to the axis of said shank portion for applying internally, an outward lateral pressure to said escutcheon relatively to said handle.

1,463,342. TANK FILLER AND CONTENTS INDICATOR. ALBERT STANLEY, Indianapolis, Ind. Filed July 25, 1921. Serial No. 487,532. 6 Claims. (Cl. 73—82.)



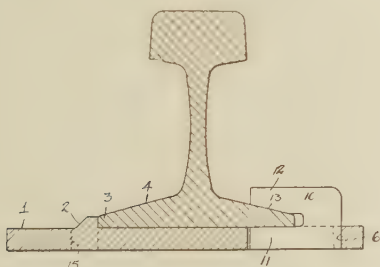
1. A tank filler and contents indicator including a base plate having an inlet neck, the wall of the inlet neck having a thick portion provided with a vertical slot and a downwardly-extending hanger at one side of the plane of the slot, a closure for the inlet neck, a pointer pivotally connected to the hanger and extending into the slot, a controlling rod fixed to the pointer, a buoyant device fixed on the controlling rod, and a cover hinged to the base plate adjacent to the inlet neck to cover the neck and the vertical slot.

1,463,343. RAIL ANCHOR. HENRY STEPHENS, Cleveland, Ohio, assignor to The Interstate Railway Supply Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 23, 1922. Serial No. 596,369. 10 Claims. (Cl. 238—324.)



1. A rail anchor comprising a flat upright member formed with a U-bend intermediate the ends and adjacent one end, the top of said member being cut away to form two hooked ends adapted to engage over the base flange of the rail, and a wedge adapted to be forced between the base flange and one hooked end to secure said anchor to said base flange.

1,463,344. TIE-PLATE RAIL ANCHOR. HENRY STEPHENS, Cleveland, Ohio. Filed Mar. 21, 1923. Serial No. 626,527. 11 Claims. (Cl. 238—304.)



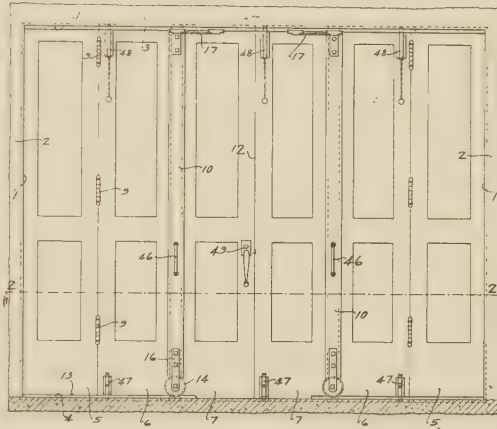
1. In a tie plate rail anchor, the combination of a tie plate having an abutment on one side and a slot on the gage side of the rail, such slot being narrower at the center than at the ends, and an anchor member provided with base flange engaging members mounted in such slot and adapted to pivot about the narrow center thereof.

1,463,345. SHIRT BAND AND CUFF BUTTON. JAMES C. STOCKS, Atlanta, Ga. Filed Dec. 5, 1921. Serial No. 519,981. 3 Claims. (Cl. 24—90.)



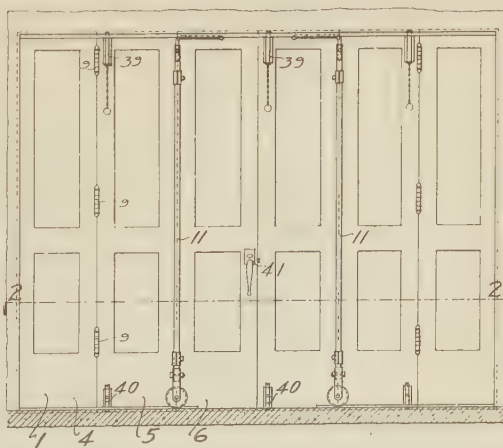
1. As an article of manufacture, a blank for use as a temporary button adapted to clamp several thicknesses of material, said blank being formed of a thin strip of pliable and shape-retentive material formed to provide a relatively short neck portion having circular enlargements at its opposite ends, the enlargements being adapted to be bent over into right angular relation to the neck and in parallel relation to each other and clamp against the material.

1,463,346. FOLDABLE CLOSURE. FREDERICK G. WALKER, Chicago, Ill. Filed Apr. 14, 1919. Serial No. 289,839. 7 Claims. (Cl. 20—20.)



1. In a door of the kind described, a closure consisting of a plurality of leaves, foldable together to open the door, posts laterally movable in substantially the plane of the opening to which alternate edges of pairs of leaves are hinged, a guide rail at the top of the opening, and a guide rigid with each post extending laterally beyond the post in one direction and having engagement with the rail at its free end to hold the post against rotation in both directions.

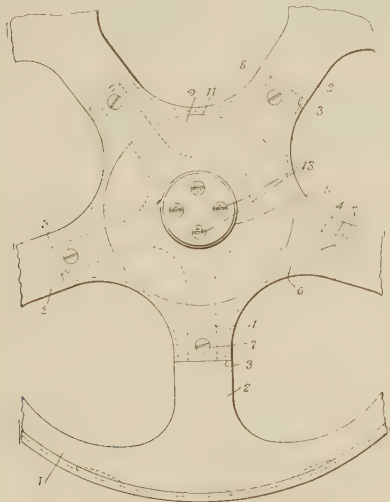
1,463,347. FOLDABLE CLOSURE. FREDERICK G. WALKER, Chicago, Ill. Filed Jan. 10, 1921. Serial No. 436,227. 4 Claims. (Cl. 20—20.)



1. In a device of the kind described, a support for a folding door comprising a pipe member, a support wheel secured at its lower end formed to engage a guide rail,

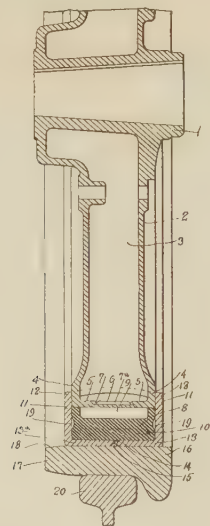
a vertically adjustable guide member at the upper end of the support one portion adapted to extend longitudinally of the door opening and to engage an upper guide to prevent rotation of the support, and relatively thin support brackets adapted to be clamped to the pipe member at suitable heights and adapted to extend between the adjacent edges of door leaves to engage door hinges.

1,463,348. PATTERN FOR CASTING STEEL WHEELS. GEORGE WALTHER, Dayton, Ohio. Filed June 16, 1921. Serial No. 478,133. 7 Claims. (Cl. 22—158.)



1. In a pattern, a master portion consisting of a rim and outer spoke end portions, an inner spoke end and hub portion, means to support a portion of the pattern to form the outside dimensions of the inner spoke ends and the portions uniting said spoke ends, and means to retain said last mentioned portions upon the master portion.

1,463,349. WHEEL. GEORGE WALTHER and FRANK H. WALKLEY, Dayton, Ohio, assignors to The Dayton Steel Foundry Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 12, 1923. Serial No. 624,421. 7 Claims. (Cl. 295—11.)



2. In combination, a wheel, a cushion member mounted on the periphery member thereof, and means to inclose said cushion in sliding engagement with said wheel, said means being adapted to support a rim, and said means

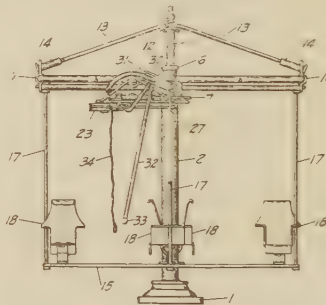
being formed in two parts divided in the center of the periphery of the wheel having their ends adjacent to one another, the adjacent ends of said parts having their outer surfaces cutaway a portion of the depth of said parts.

1,463,350. SPARK-PLUG CLEANER. FREDERIC WAMBACK, Greenwich, Conn. Filed Mar. 3, 1922. Serial No. 540,751. 3 Claims. (Cl. 15—104.01.)



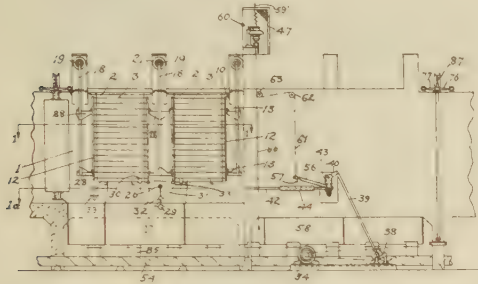
1. A cleaning device for spark plugs comprising a single length of metal bent intermediate its ends to provide a pair of spring arms, the end portions of which are extended diagonally and are provided with oppositely arranged cutting edges adapted to engage the interior of a spark plug shell whereby to remove the carbon from the same.

1,463,351. MERRY-GO-ROUND. WILLIAM H. WEASER, Pittsfield, Mass. Filed June 8, 1922. Serial No. 566,793. 2 Claims. (Cl. 46—27.)



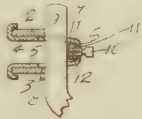
1. An apparatus of the class described comprising a base, a tubular standard rising from the said base, a journal fixedly secured to the top of the said tubular standard, a carrier rotationally mounted on the top of the journal and a shaft depending from said carrier into the said tubular standard, ball bearings interposed between the shaft and the tubular standard, the shaft and the carrier and the shaft and the journal, a standard rising from the said carrier and a collar mounted thereon, a tubular circular member, clamps rigidly affixed thereto, radial bars depending from said collar and radial horizontal bars extending from the carrier to the said clamps, a circular foot board and seats arranged thereon, vertical side bars depending from said clamps and supporting said foot board, a fixed ratchet with respect to the carrying device, a pawl and spring to cooperate with said ratchet and movable about the latter, a carrying member for said pawl, said carrying member having a pulley rotationally connected thereon, a flexible wire passing around the said pulley, clamps and a spring on one of the horizontal radial bars, an operating lever pivoted on one of the horizontal radial bars by means of said clamps and held in position by means of said spring, said operating lever having an extension on the outer end which is provided with an eye to insert a pull rope to actuate the device, an actuating lever depending from the said operating lever and equipped with a handle to be used to actuate the device in place of the pull rope.

1,463,352. APPARATUS FOR THE ELECTRICAL PRECIPITATION OF SUSPENDED PARTICLES FROM GASES. CHARLES H. WEISKOPF, Santa Monica, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 19, 1921. Serial No. 501,840. 15 Claims. (Cl. 183—7.)



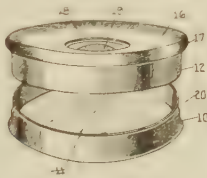
1. In an electrical precipitator, a vertical electrode, supporting means provided with means for engaging said electrode to support the same while permitting free upward movement of said electrode relative to the support, and means for jarring said electrode to produce such upward movement.

1,463,353. TOOL HOLDER. CHARLES H. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed July 19, 1922. Serial No. 576,015. 7 Claims. (Cl. 55—96.)



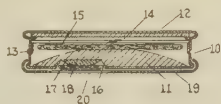
1. In a cultivating implement having parallel tool supporting bars, the combination therewith of a tool holder disposed transversely of the bars, means on the holder to clasp one side of said bars, and means to secure a tool in the holder on the opposite side of said bars.

1,463,354. CONTAINER. RALPH WM. WILSON, New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Sept. 22, 1922. Serial No. 589,856. 2 Claims. (Cl. 132—83.)



1. The combination with a powder container, a cover hinged to said powder container, a rouge container of smaller size than the powder container mounted in said cover, an outer cover for said container cover rotatably secured to said cover, there being an aperture therein corresponding to the size of the rouge container.

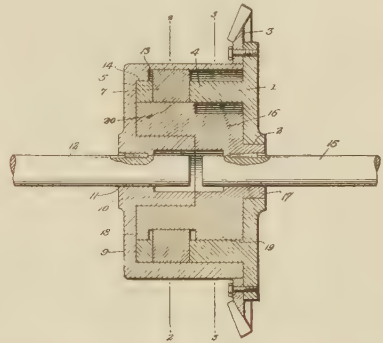
1,463,355. POWDER AND ROUGE CONTAINER. RALPH WM. WILSON, New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Sept. 22, 1922. Serial No. 589,858. 3 Claims. (Cl. 132—83.)



2. A powder container, a cover therefor, a mirror in said cover, a powder puff in said container, a powder com-

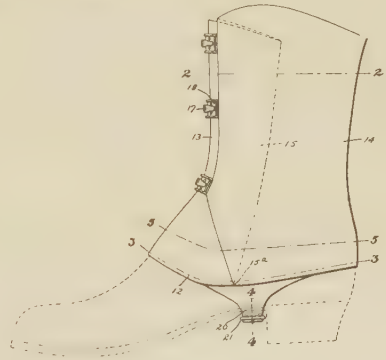
pect in said container, a rouge compact mounted in the bottom of said powder compact, a revoluble cover for said rouge compact.

1,463,356. GEARLESS DIFFERENTIAL TRANSMISSION MECHANISM. EVERETT J. ZIEGLER, Hartford City, Ind. Filed Oct. 4, 1922. Serial No. 592,268. 3 Claims. (Cl. 74—7.)



1. A differential mechanism comprising in combination with aligned shaft sections a head member fixed to one shaft section and provided with oppositely disposed eccentrics and having a shoulder provided with a concentric peripheral surface, a barrel member receiving the head and having its side wall provided with openings some of which are opposite one of the eccentrics of the head and others opposite the other eccentric portion of the head, blocks slidably mounted in the openings, a casing member fixed to the other shaft section and having a side wall which receives the blocks, the said side wall being provided with an eccentric interior surface.

1,463,357. GAITER. HARRY P. BROWN, Boston, Mass., assignor of one-half to William E. Powers, Boston, Mass. Filed Nov. 1, 1922. Serial No. 598,243. 1 Claim. (Cl. 36—2.)

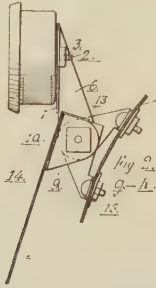


A gaiter composed of a continuous tube, having an enlarged non-adjustable lower end, formed to embrace and fit the instep portion of the wearer's shoe, and an adjustable major portion, having bellows folds extending from said non-adjustable end to the upper end of the gaiter, whereby said major portion is adapted to be contracted, fastening devices being provided whereby the major portion may be confined when contracted.

1,463,358. BRACKET FOR SUPPORTING OBJECTS AND ESPECIALLY FOR SECURING NUMBER PLATES. AUGUST W. CORDS, New York, N. Y. Filed Dec. 6, 1921. Serial No. 520,358. 1 Claim. (Cl. 40—125.)

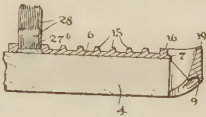
A composite universal bracket for carrying articles adaptable to curved surfaces, comprising a screw bolt forming a common axle upon which separate members for

carrying the article and other members for fastening the brackets are hinged, the fastening members consisting of opposite legs placed at an angle to each other and acting as a trussed support for the axle, the legs having eyed lugs



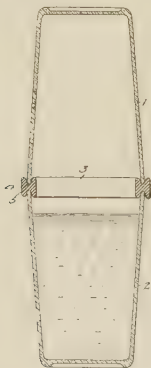
fitting the base of a triangle formed by the base and the legs, the eyed lugs being tangentially adjustable to curved surfaces by reducing the angle between the opposite legs, the legs to be spaced apart by a separating member.

1,463,359. FLOOR PLATE. JAMES EDISON ERSKINE, Jacksonville, Fla. Filed Feb. 7, 1922. Serial No. 534,711. 1 Claim. (Cl. 280—164.)



A floor plate for running boards of vehicles comprising a substantially flat substantially rectangular body comprising a series of spaced parallel ribs on the upper face thereof, said ribs extending longitudinally of the body and terminating at their opposite ends short of the corresponding ends of the body, the remote ribs of said series being located at appreciable distances from the side edges of the body, the space between one of said remote ribs and the adjacent edge of the body being provided with slots adapted to removably receive brushes, and scraper means integral at its ends with said body and having the intermediate portion thereof disposed in substantially parallel spaced relation to the second side edge of the body.

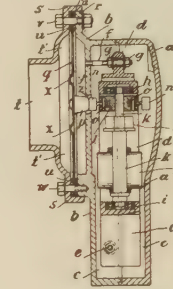
1,463,360. SEALING RING. LEONARD FOOTE, Pedro Miguel, Canal Zone, Panama. Filed Apr. 19, 1922. Serial No. 555,645. 4 Claims. (Cl. 215—37.)



1. As a new article of manufacture, a sealing ring of the kind described comprising an annular unitary compressible member including a wall and an annular rib intermediate the top and bottom edges of the wall to

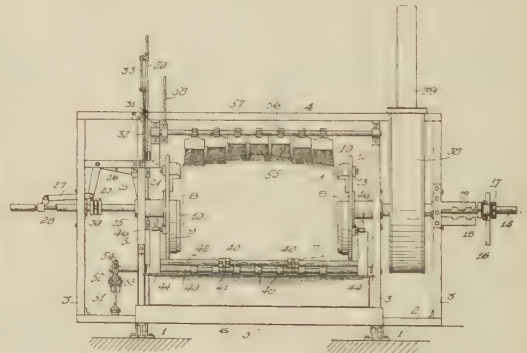
permit the wall to engage flatly the rim-adjacent peripheries of a pair of glass tumblers when such tumblers are arranged rim to rim with their rim edges resting on opposite sides of said rib.

1,463,361. SIGNAL SOUND INSTRUMENT. PAUL GEORGI and ROBERT GEORGI, Leipzig-Gohlis, Germany. Filed Dec. 20, 1920. Serial No. 432,163. 1 Claim. (Cl. 116—14.)



In an electric sounding instrument for motor-cars and the like, in combination, a casing consisting of two halves, a sounding funnel in front of said casing, a brass diaphragm interposed between said casing and said sounding funnel, a rear projection on said diaphragm, means co-acting with said projection to operate said diaphragm and located within said casing, one of said casing halves forming a resounding bottom for said diaphragm and having a central opening therein through which extends said rear projection, substantially as set forth.

1,463,362. COATING MACHINE. CHARLES L. HOOPER, ROBERT F. SUTHERLAND, and ALBERT W. PARKHOUSE, Rochester, N. Y., assignors to Vacuum Oil Company, New York, N. Y., a Corporation of New York. Filed May 28, 1921. Serial No. 473,268. 11 Claims. (Cl. 91—37.)

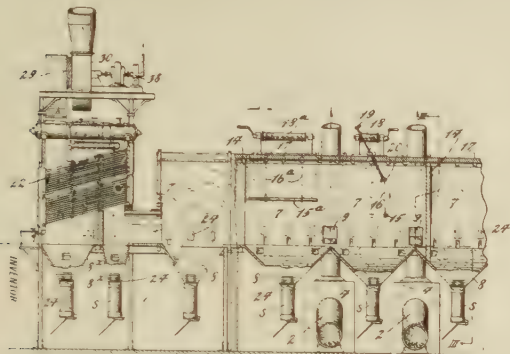


1. A coating machine comprising a pair of rotary heads embodying a disk and a plurality of removable chime engaging members each formed with a curved chamfered face, and means for applying a coating to a barrel turned by said heads.

1,463,363. CEMENT-KILN SYSTEM. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Aug. 17, 1916. Serial No. 115,507. 17 Claims. (Cl. 183—120.)

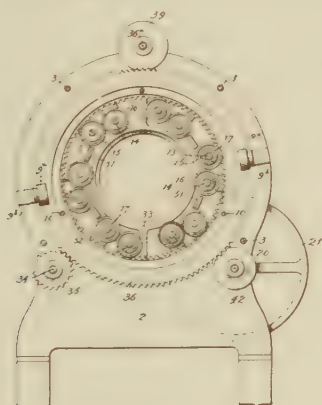
1. Apparatus for treating dust-laden cement kiln gases, comprising a flue arranged to permit a current of dust-laden gases to flow substantially unobstructedly there-through without substantial change in the general direction of flow in its passage through said flue, said flue having refractory heated side walls exposed to the current of

gases for the collection of a caking material, and a plurality of baffles projecting a short distance from each of said side walls at spaced intervals along the length of the



flue and adapted to cause eddies in the current to bring different portions of the gases into contact with the side walls, said side walls being accessible for cleaning while the apparatus is in operation.

1,463,364. HUSKING MACHINE. FREDERICK H. KNAPP, Baltimore, Md. Filed Aug. 4, 1919. Serial No. 315,080. 27 Claims. (Cl. 130—5.)

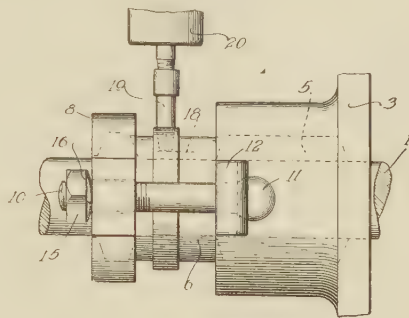


1. In a husking machine, the combination of a carrier comprising an annular series of pairs of husking rolls having cooperating gears, a rotatable head having an internal annular gear adapted to simultaneously engage one of said gears of each pair of gears, said head being adjacent but spaced from one end of the carrier, and means for rotating the carrier and said head.

1,463,365. MEANS FOR PACKING ROTATING SHAFTS AND THE LIKE. HARRY E. LA BOUE, Chicago, Ill. Filed Feb. 24, 1921. Serial No. 447,609. 1 Claim. (Cl. 286—33.)

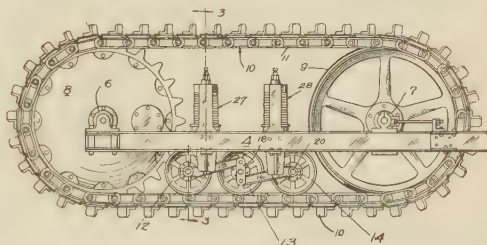
In combination, a casing having an annular outwardly projecting boss counterbored to provide an internal annular chamber, a shaft extending axially through said chamber, a packing fixed in said chamber and about said shaft against movement with excursions of the shaft, a gland plate bored to permit extension of the shaft therethrough, and counterbored from its casing face to receive a second packing about the shaft, a pair of diametrically opposite lugs formed integral with and projecting radially from the outer end of the casing boss, a pair of gland bolts extending through aligned openings in the gland plate and said lugs, said bolts having ball heads cooperating with said lugs and engaging at their outer ends in nuts having rounded surfaces cooperating with the gland plate, a gland ring loosely encircling the shaft between said first and

second packings and bearing at its opposite ends against said packings, said gland ring having an internal annular recess between its ends and an external annular enlarge-



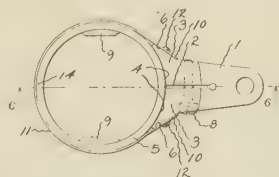
ment, and means for delivering a lubricant to said internal annular recess, said lubricant delivering means comprising a tube threaded into the external annular enlargement of said ring, and a reservoir connected to said tube.

1,463,366. TRACTOR. THOMAS C. LEAKE, San Francisco, Calif. Filed Aug. 4, 1919. Serial No. 315,050. 6 Claims. (Cl. 305—9.)



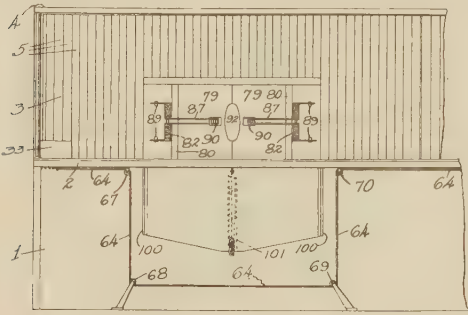
6. In a tractor, a frame, an endless flexible track mounted on said frame, a series of three rollers engaging said track, a lever on the forward end of which one roller is mounted, a second lever on the rear end of which another roller is mounted, means on which the third roller is mounted connecting the other ends of the levers, blocks in which said levers are fulcrumed, means on the frame for guiding the movement of said blocks and springs interposed between the blocks and the frame.

1,463,367. TIMING MECHANISM. CARL AUGUST MAYER, Springfield, Mass., assignor to American Bosch Magneto Corporation, Springfield, Mass., a Corporation of New York. Filed Feb. 18, 1921. Serial No. 446,140. 7 Claims. (Cl. 200—30.)



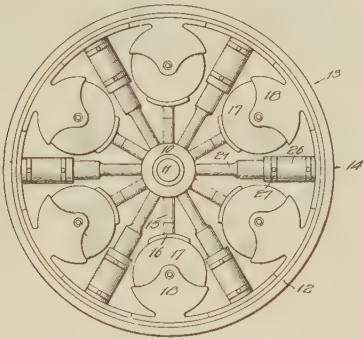
1. In an adjustable timing device for magnetos having an interrupter housing including a cam ring having a groove, the combination of a slitted timing arm having flexible portions adapted to engage said ring, a flexible strip surrounding said ring and secured to the flexible portions of said slitted arm, means for flexing said flexible portions for tightening said strap about said ring, and a projection on said flexible portions of said arm extending into and movable along said groove in said ring.

1,463,368. BANK-PROTECTING DEVICE. CHARLES A. MAZZIE, Detroit, Mich. Filed Apr. 4, 1921. Serial No. 458,585. 5 Claims. (Cl. 20—1.01.)



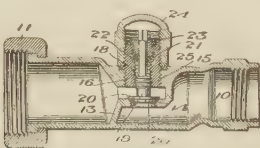
1. A bank protecting device comprising a grille for a bank cage consisting of a series of vertical shutters adapted to turn in a horizontal plane, the grille being provided with an opening, a pair of spring actuated doors for closing the opening, a shutter adjacent each door being provided with means for holding the doors in the open position when the shutters are open, a spring tending to close the shutters, releasable means for holding the shutters open against the tension of the spring, and means for actuating the releasing mechanism from any point within the cage, the closing of the shutters releasing the said doors to actuation by the respective springs.

1,463,369. RESILIENT WHEEL. AUSTIN A. MENDENHALL, Duluth, Minn. Filed June 11, 1919. Serial No. 303,363. 13 Claims. (Cl. 152—28.)



11. In a device of the character described, a rim, a hub, a set of radial spokes comprising pneumatic means adapted to resiliently resist radial forces, and another set of spokes fixed against pivotal movement and having a lost motion connection to limit the displacement of said rim with respect to said hub.

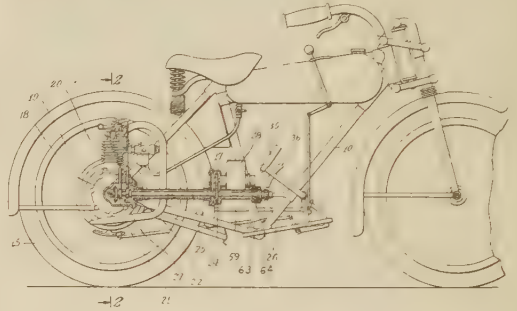
1,463,370. INTEGRAL STOP. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 4, 1919. Serial No. 335,683. 9 Claims. (Cl. 251—155.)



6. A fitting of the class described having a section of its wall thickened to give a substantial plug seat and having an orifice through said thickened section, a valve

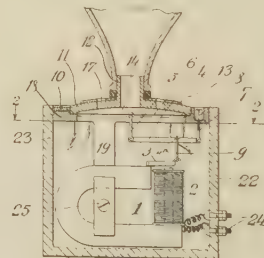
seat below said thickened section, a threaded plug seat in the orifice in said thickened section and having an opening therethrough, a valve stem mounted in said plug for reciprocation, a valve on said stem adapted to engage said valve seat, a packing in said plug about said valve stem, a packing surrounding said plug and seated on the outer wall of said fitting, and a closure cap secured to the outer end of said plug and engaging said exterior plug packing.

1,463,371. MOTOR VEHICLE. ALDEN E. OSBORN, New York, N. Y. Original application filed Sept. 1, 1920, Serial No. 407,373. Divided and this application filed Aug. 13, 1921. Serial No. 491,960½. 5 Claims. (Cl. 180—33.)



1. In a motor vehicle the combination of a propelling motor, a main shaft in said motor, a second shaft at substantially a right angle to said main shaft and geared thereto, a gear rotatably mounted on said second shaft, a means for connecting said gear with said second shaft to transmit motion between them in one direction only, a segmental gear rotatably supported on said motor vehicle adjacent to the first named gear but normally held out of mesh therewith, and a manually operated means for rotating said segmental gear to bring said segmental gear into mesh with said gear on the second shaft to rotate said second shaft and the main shaft of the motor and start the motor.

1,463,372. SOUND-REPRODUCING INSTRUMENT. EGBERT A. REYNOLDS, Yonkers, N. Y., and DE ELBERT A. REYNOLDS, West Hoboken, N. J., assignors, by mesne assignments, to Audiphone Company of America, New York, N. Y., a Corporation of Delaware. Filed July 28, 1917. Serial No. 183,215. 9 Claims. (Cl. 179—108.)



6. A sound reproducing instrument comprising in combination a diaphragm, an arm carried by said diaphragm, a lever, pivotal means for an end portion of said lever, adjustable means for carrying said pivotal means, means for pivoting the opposite end portion of said lever to said arm, a link connected to an intermediate portion of said lever, the portion of said lever between said second mentioned pivoting means and said link being of constant length for different posi-

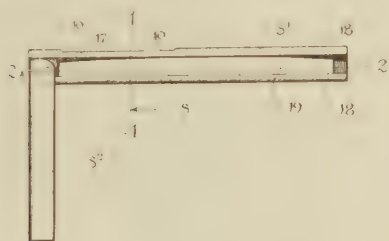
tions of adjustment of said adjustable means, an armature connected to said link and electromagnetic means controlling said armature, said electromagnetic means including a coil.

1,463,373. NAVIGATING INSTRUMENT. HARRY C. ROESER, Chicago, Ill. Filed Sept. 5, 1919. Serial No. 321,858. 2 Claims. (Cl. 33—1.)



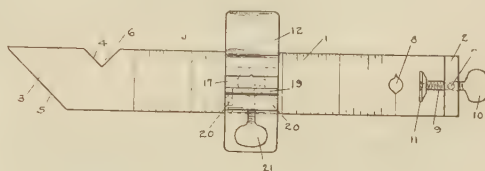
1. A navigator's instrument comprising two superposed and relatively rotatable transparent members, the upper of said members having a compass card configuration depicted thereon and having parallel sides perpendicular to the North-South and East-West diameters of the compass respectively, said sides being graduated and said lower member having a single diametrical line with an index adjacent the divisions of the compass on said upper card, as and for the purposes set forth.

1,463,374. COMBINATION TOOL. HENRY SCHUETZ, Pittsburgh, Pa. Filed June 18, 1920. Serial No. 389,888. 5 Claims. (Cl. 33—95.)



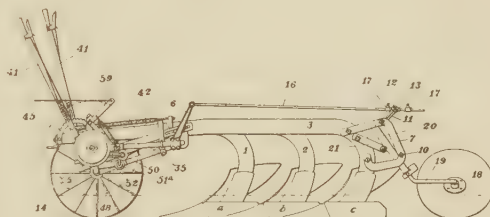
1. In combination, a holder comprising a main arm having a channel, a second arm of U-shape in cross section pivotally connected to the main arm and adapted to embrace the main arm when turned into closed position thereon, a leaf spring within the channel of the main arm; and a rule comprising a main section adapted to slidably fit within the channel of the main arm and adapted to be frictionally held in adjusted position by said spring, and a second section pivotally connected to the main section, each of said sections being provided with graduations, and said second section having means to cooperate with the said second arm of the holder for supplementing the spring and preventing accidental displacement of the rule when the holder is closed.

1,463,375. COMBINATION TOOL. WILLIE ARTHUR SHIELDS, Birmingham, Ala. Filed Mar. 25, 1921. Serial No. 455,441. 3 Claims. (Cl. 33—143.)



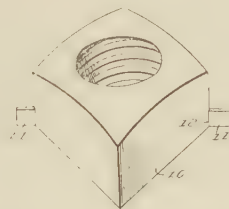
1. In combination, a straight rule having at one end an notch and a beveled edge providing between them an end extension disposed at an angle to the rule and lying in the same plane therewith, and a slide block adapted to be mounted on the rule or on its angled element to form a T-square or angled rule.

1,463,376. WHEEL PLOW. WALTER H. SILVER, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Feb. 1, 1918. Serial No. 214,926. 6 Claims. (Cl. 97—127.)



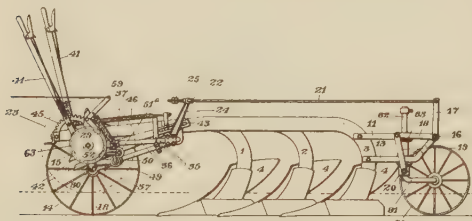
1. The combination with the plow beam, the bottom secured thereto, the rear furrow wheel, and the crank axle therefor having an upward extending spindle, of the sleeve for the spindle, the link pivoted to the sleeve and to the beam, and the vertically swinging power arm pivotally connected to the sleeve, said parts being arranged relatively to each other as described whereby the lower end of the spindle and the furrow wheel are forced forward relatively to the beam and to the upper end of the spindle when the lever commences to apply lifting power.

1,463,377. NUT LOCK. MILROY G. STACKHOUSE, Tulsa, Okla., assignor to The Staset Company, a Corporation of Delaware. Filed Jan. 4, 1921. Serial No. 434,891. 2 Claims. (Cl. 151—24.)



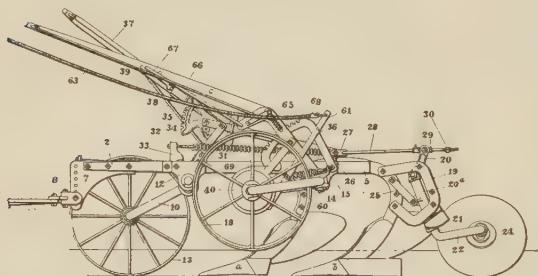
1. As an article of manufacture, a nut having in its inner surface a radial kerf extending into communication with the bolt opening, and a blade fitted in said kerf with its outer end projecting beyond the periphery of the nut for impact by a driving tool, the length of the blade exceeding the length of the kerf by an amount equal to the distance of penetration of the blade into the bolt to which the nut is attached.

1,463,378. WHEELED PLOW. CARL G. STRANGLUND, Moline, Ill., assignor to Deere and Company, Moline, Ill., a Corporation of Illinois. Filed June 30, 1915. Serial No. 37,370. Renewed Aug. 24, 1917. Serial No. 188,065. 2 Claims. (Cl. 97—102.)



1. In a frameless plow of the class described the combination of the series of beams secured together as a frame structure, the bodies carried by said beams, a wheel at the front end of the beam structure, a vertically swinging crank axle carrying said wheel and journaled on the frame on a fixed axis, a second wheel at the front end of the beam structure on which the latter is adapted to be raised or lowered, means at the rear end of the beam structure for lifting and supporting it, a manual mechanism on the frame for adjusting the depth of plowing and for leveling the plow comprising two levers and locks therefor, an automatic optionally acting lifting mechanism on the swinging crank axle supplemental to said levers and adapted to be actuated independently thereof for applying traction power to the said crank axle to lift the front end of the plow structure, a crank arm rigid with and actuated by the swinging crank axle, and a power transmitting link actuated by and extending from the said arm to the said lifting mechanism at the rear end of the beam structure.

1,463,379. WHEELED PLOW. CARL G. STRANGLUND, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed May 20, 1918. Serial No. 235,565. 6 Claims. (Cl. 97—72.)



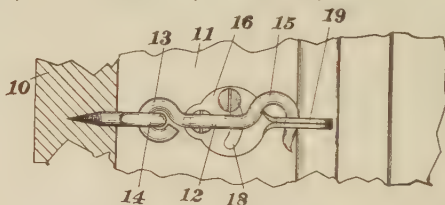
1. In a wheeled plow of the class described the combination of the frame, the plurality of plow bodies carried thereby, the front furrow wheel, the axle holding said wheel in front of the plow bodies when at work, the rear furrow wheel, the lifting mechanism thereon for the rear end of the frame, the land wheel, the swinging crank axle therefore having a journal element on an axis at the rear end of the plow frame and also a bail element arranged to hold the land wheel in the transverse planes of the plow bodies and to push directly upward on the journal element when the axle swings, power transmitting devices connecting the two said axles and the rear lifter, and an axle-swinging power transmitter operated by the traction of the land wheel, said parts being arranged substantially as set forth, whereby power is transmitted from the land wheel to thrust upward directly against the rear end of the frame, and to simultaneously cause the front wheel to lift the front end thereof, and to cause, simultaneously with the rising of said front end, a variable lifting action on the rear wheel.

1,463,380. GARMENT SUPPORTER. JAMES STUART WALLINGFORD, Paris, Ky. Filed Feb. 24, 1922. Serial No. 538,825. 2 Claims. (Cl. 24—245.)



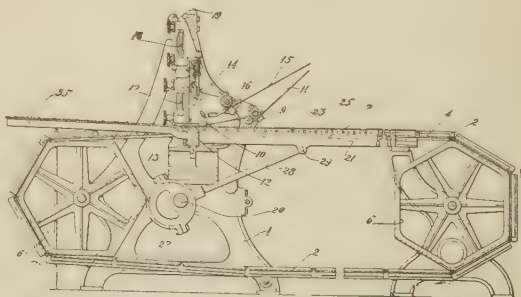
1. A clasp element for garment supporters comprising inner and outer straps having a common connection at their upper ends to each other and to a supporting element, a block carried by the outer side of the lower extremity of the inner strap, said block having an inwardly and downwardly beveled upper edge, a loop member carried by the lower end of the outer strap having upper and lower arms the relative spacing of which is less than the height of the outer side of the block, said loop member adapted to be engaged over the block when the portion of the garment is arranged thereover to provide in the garment at the rear of said block a pair of oppositely disposed bights whereby a downward pull exerted on the lower arm will impinge the upper bight in the receiving space formed at the juncture of the upper edge of the block with the inner strap.

1,463,381. ECCENTRIC HOOK. RILEY E. ANTHONY, Omaha, Nebr. Filed Apr. 13, 1922. Serial No. 552,086. 4 Claims. (Cl. 292—95.)



1. In a fastener for doors and the like the combination with a hook adapted to be carried by a door, a keeper plate having an opening therein for the reception of the bill of the hook, and a pivotal support for said keeper arranged eccentrically with respect to said opening whereby the keeper member may be swung on its pivotal support to move said opening toward and from the door for binding and releasing said hook.

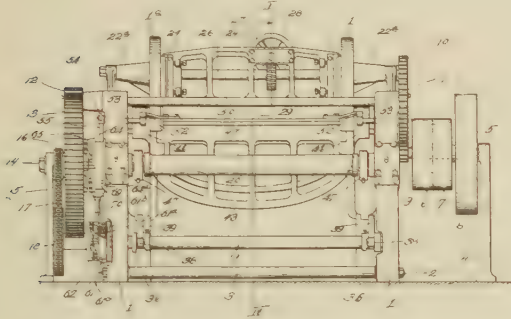
1,463,382. MACHINE FOR USE IN MAKING BOXES. CHARLES HENRY BOMBARDIE, Chicago, Ill., assignor to Wirebounds Patents Company, Kittery, Me., a Corporation of Maine. Filed Sept. 30, 1919. Serial No. 327,391. 28 Claims. (Cl. 1—8.3.)



5. A machine for use in making boxes comprising, in combination, means including fastener-setting mechanism for applying binding-wire to box parts; a work-engaging

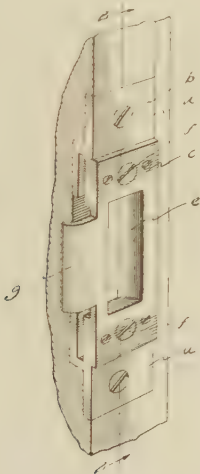
member; and means for causing relative progression between said mechanism and the work in controlled steps of varied lengths, comprising a series of adjustable driving members acting successively on said work-engaging member.

1,463,383. SHEET-METAL-BENDING MACHINE. CHARLES P. BUCK, Topeka, Kans. Filed Apr. 18, 1921. Serial No. 462,129. 6 Claims. (Cl. 153—16.)



1. A sheet metal bending machine, comprising a frame, a stationary clamping jaw, a movable clamping jaw, a driven clutch member, a shaft having a cam and a slidable clutch member, means tending to clutch said clutch members together, manually controlled means for holding the said clutch members declutched, and means operated by said cam in each revolution, for imparting clamping and unclamping movements to said movable clamping jaw.

1,463,384. STRIKER PLATE. SAMUEL D. BUTTERWORTH, Lansing, Mich. Filed Feb. 20, 1922. Serial No. 537,787. 10 Claims. (Cl. 70—15.)

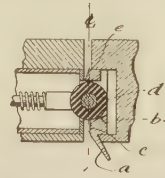


1. A striker plate, having in combination, a pair of seats, a keeper plate bridging the gap between the seats, and adjustable means on the outside thereof in connection with each seat for advancing the socket portion more or less away from the seats.

1,463,385. LATCH. SAMUEL D. BUTTERWORTH, Lansing, Mich. Filed Aug. 25, 1922. Serial No. 584,167. 6 Claims. (Cl. 292—75.)

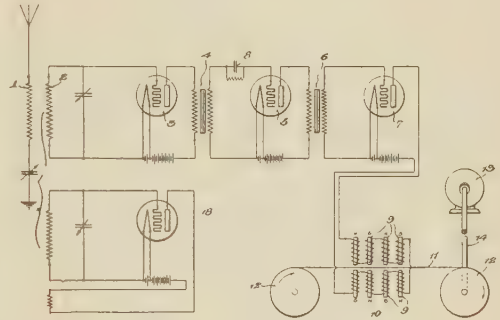
1. In a door latch, the combination of a latch provided with a latch head in the form of a roll and yield-

ingly projecting, and a latch striker therefor provided with a latch socket, having the rear wall of the socket



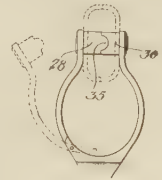
projecting beyond the front wall of the socket to form an abutment to arrest the roll in the roll socket.

1,463,386. RADIOTELEGRAPH SYSTEM. WENDELL L. CARLSON and EARL C. HANSON, Washington, D. C. Filed Apr. 22, 1920. Serial No. 375,693. 5 Claims. (Cl. 250—8.)



1. In a system of radio telegraphic reception means for receiving signals of a predetermined frequency, a telegraphone, a recording element therefor, a plurality of electromagnets associated therewith and spaced apart in proportion to the frequency of the signals to be received and the linear speed of the recording element.

1,463,387. SHACKLE FOR AUTOMOBILE WHEELS AND SPOKES. EARLE E. CHAPMAN, Los Angeles, Calif., assignor to Miller-Chapman Company, a Corporation of California. Filed Mar. 2, 1920. Serial No. 363,087. 4 Claims. (Cl. 70—90.)

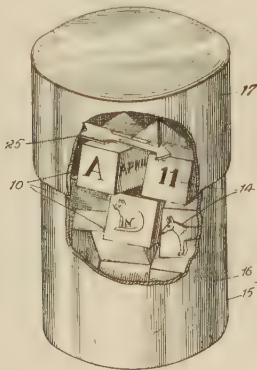


1. A shackle for an automobile wheel comprising a bumping block; arms for securing said block upon the tread of said wheel; projections on said arms meeting inside the felly of the wheel; means for locking said projections together; a finger pivoted to turn freely on one of said projections and engage a spoke; and a second finger pivoted on the other projection and cooperating with said first named finger to entirely encircle a spoke.

1,463,388. GAME. CATHERINE F. CULLEN, New York, N. Y. Filed July 20, 1921. Serial No. 486,293. 3 Claims. (Cl. 46—41.)

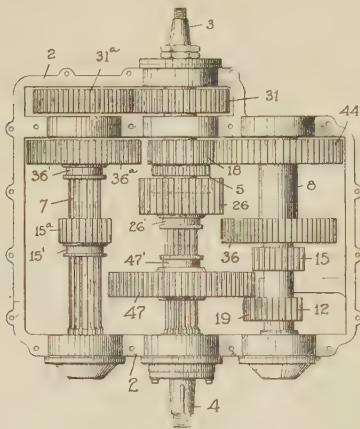
1. A game apparatus, comprising a box, a plurality of separate angular blocks adapted to be shuffled in the box and subsequently distributed therefrom upon a surface, each block having on each of its faces different indicia which may include an inscription, the picture of

an object, a word, a letter of the alphabet or a numeral, all indicative of an event or person or date and the indicia of each block being different from the indicia of the other blocks, and a separate indicator adapted to



be shuffled in the box with the blocks for being intermingled with the blocks when emptied from the box on a surface whereby one of the blocks will be designated for selection.

1,463,389. POWER-TRANSMISSION-GEAR MECHANISM. WILLIAM B. FAGEOL, Oakland, Calif. Filed Dec. 15, 1920. Serial No. 430,868. 1 Claim. (Cl. 74—58.)

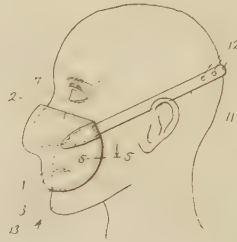


A transmission gearing comprising a driving and a driven shaft, clutch means for connecting said shafts for direct drive, a pair of countershafts, fixed gears on said countershafts and on said driving shaft for turning the countershafts at different speeds, a pair of forward drive gears fixed on the slower moving countershaft, a pair of gears slidable on said driven shaft and respectively engageable with said forward driving gears, a jack shaft, a reversing gear fixed on said jack shaft and adapted to be engaged by one of said driven shaft gears, a gear on said slower moving countershaft and in mesh with said reverse gear and a pair of gears slidable on the faster moving countershaft and respectively engageable with said driven shaft gears.

1,463,390. BREATH MASK. ANTONIO FERNANDES, Kansas City, Mo. Filed Nov. 1, 1920. Serial No. 420,945. 3 Claims. (Cl. 128—139.)

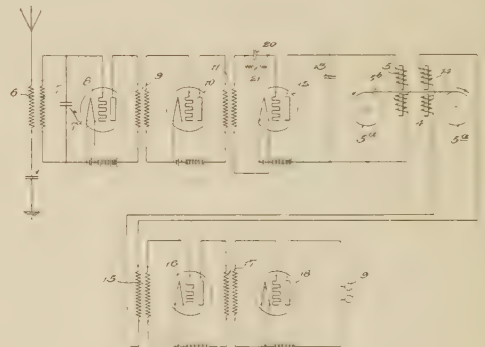
1. In a breath mask, a mask of plate formation shaped to fit over and inclose the nose and mouth of a person, a groove in the inner face of said mask and near the outer edge thereof, a resilient gasket resting in said

groove and protruding from the inner face of said mask, chambers opening to the inner side of said mask and extending from each side of said mask and presenting a hole opening rearwardly, an internally facing shoulder



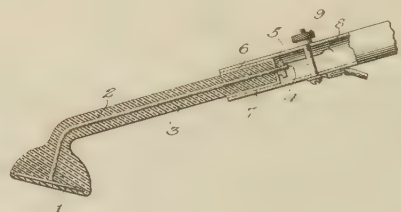
around each of said holes, a resilient flexible tube with an annular flange on each end thereof and provided with holes intermediate the ends thereof, and the ends of said tube resting in said holes with said annular flanges bearing outwardly against said shoulders.

1,463,391. RADIOTELEGRAPH SYSTEM. EARL C. HANSON and WENDELL L. CARLSON, Washington, D. C. Filed Feb. 11, 1920. Serial No. 357,919. 7 Claims. (Cl. 250—8.)



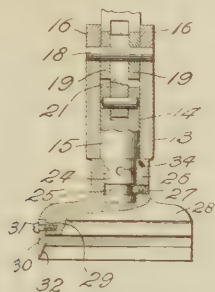
1. In a radio telegraph system, the method of preparing an initial record on the moving wire of a telegraphphone, causing received telegraph signals to be amplified and rectified and caused to efface the record previously made on the telegraphphone.

1,463,392. THERAPEUTIC ELECTRODE. EARL C. HANSON and WENDELL L. CARLSON, Washington, D. C. Filed Nov. 30, 1920. Serial No. 427,439. 8 Claims. (Cl. 174—89.)



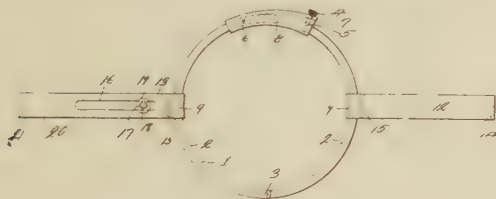
1. An electrode of the class described comprising an electrically conducting surface, a terminal rod connected thereto, and a condensation product of a phenolic body and formaldehyde molded about said conducting surface and terminal rod.

1,463,393. COUPON-CUTTING MACHINE. HENRY N. HEILMAN, St. Louis, Mo. Filed May 27, 1920. Serial No. 384,778. 1 Claim. (Cl. 164—57.)



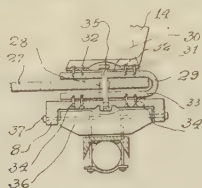
In a coupon cutting machine, a base, a bracket projecting upwardly therefrom, a plunger mounted for vertical sliding movement through said bracket, means for moving said plunger downwardly, a block mounted for rotation in a horizontal plane on the lower end of the plunger, a blade removably carried by said block, which blade is provided with cutting edges disposed at right angles to each other, the lower portion of the plunger having four recesses disposed substantially 90 degrees apart, and a set-screw seated in the block adapted to be projected into any one of said recesses so as to lock the block in any one of four predetermined positions and means for holding the cutting block during the time when the set screw is loosened.

1,463,394. ADJUSTABLE STRAINER SUPPORT. WESLEY P. HEISNER and PAUL A. HEISNER, Rockville, Nebr. Filed May 31, 1922. Serial No. 564,911. 1 Claim (Cl. 248—30.)



A strainer supporter comprising a strainer receiving ring, said ring comprising hinged connected ring sections movable in the same plane, a sleeve carried by one end of one of the sections and having a tapernig chamber therein for the reception of the adjacent end of the adjacent section, set screw means for holding the ring sections in adjusted positions, sleeves slidably mounted on the ring sections, upwardly and outwardly extending arms hingedly connected to the sleeves adjacent their lower sides and in abutting engagement with the sleeves, one of said arms being provided with an outwardly and inwardly adjustable arm, downwardly extending flanges carried by the adjustable arm and the upwardly and outwardly extending arm and forming means for frictionally engaging opposite sides of a receptacle.

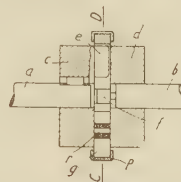
1,463,395. MOTOR SLEIGH. ABRAHAM A. KNOWLES, Canyon Ferry, Mont. Filed Oct. 14, 1922. Serial No. 594,449. 1 Claim. (Cl. 180—3.)



In a motor sleigh, a cross beam, runners secured thereto, a platform pivoted to the cross beam adapted to allow for play between the runners and platform, an extension

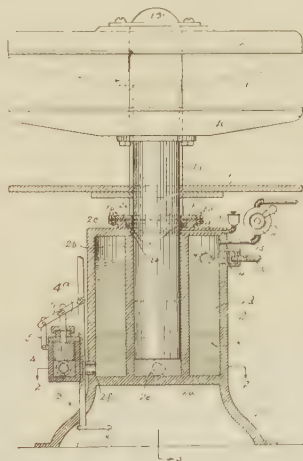
of the floor, a U-shaped plate secured to the platform and embracing the floor extension, a post secured to said U-shaped plate having a propeller and a vertical pivot pin carried by the platform and extending through the U-shaped plate and the extension of the floor whereby the said parts are pivotally mounted on the said floor extension.

1,463,396. ELASTIC OLDHAM COUPLING. FRANZ KRATZ, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed July 31, 1922. Serial No. 578,675. 4 Claims. (Cl. 64—100.)



1. An elastic Oldham coupling, comprising, in combination a driving coupling half, and transmitting lugs projecting from this half towards the driven coupling half; a driven coupling half, and transmitting lugs projecting from this half towards the driving coupling half; an intermediate transmitting member composed of a plurality of parts having gaps between them and containing each a portion of the cross-shaped double-slot of the coupling; elastic insertions in said gaps; and means for holding together the parts of the intermediate transmitting member, as set forth.

1,463,397. GARMENT-PRESSING MACHINE. CHARLES LAVIER, Syracuse, N. Y. Filed Aug. 22, 1922. Serial No. 583,620. 4 Claims. (Cl. 138—10.)

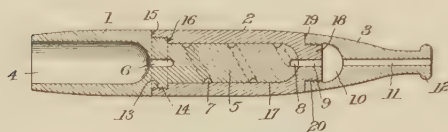


1. The combination with a stationary presser-head and a movable pressing buck, of a hydraulic cylinder disposed beneath and supporting said pressing parts, said cylinder being partially filled with fluid and having a concentric chamber in the line of the vertical axis of said pressing parts, a pedestal directly supporting said buck and being reciprocable in said chamber, and means for admitting fluid pressure into said cylinder for effecting the raising of said pedestal and said buck.

1,463,398. TOBACCO PIPE. HARRY LONGACRE, Brooklyn, N. Y. Filed May 2, 1921. Serial No. 466,075. 1 Claim. (Cl. 131—12.)

In a tobacco pipe, the combination with a bowl section having an integral reduced extension provided with a spiral groove on its surface communicating at one end

with the bowl, of a stem section having a cavity to fit around said grooved extension of the bowl section and detachably connected to said section, and a separate mouth-piece having a passage therethrough, the inner end of

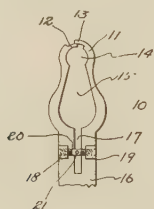


said passage in the mouth-piece being enlarged to form a saliva chamber, and the outer edge of said chamber being internally threaded to detachably engage over the stem section.

1,463,399. MANUFACTURE OF REFRACTORY PRODUCTS FROM DOLOMITE. CHARLES ARTHUR LONG-BOTTOM, Worksop, and FREDERICK LINDLEY DUFFIELD, Brassington, England. Filed Dec. 1, 1922. Serial No. 604,417. 5 Claims. (Cl. 18—47.5.)

1. The herein-described process for the manufacture of refractory products from dolomite which consists in artificially mixing binding materials with the raw dolomite, shaping the products from the mixture, subjecting them to an intense shrinking heat, and finally dipping them in a medium having sealing properties.

1,463,400. COLLAR-BUTTON HOOK. CARL NEUMANN, New York, N. Y. Filed Aug. 29, 1922. Serial No. 584,949. 1 Claim. (Cl. 24—40.)

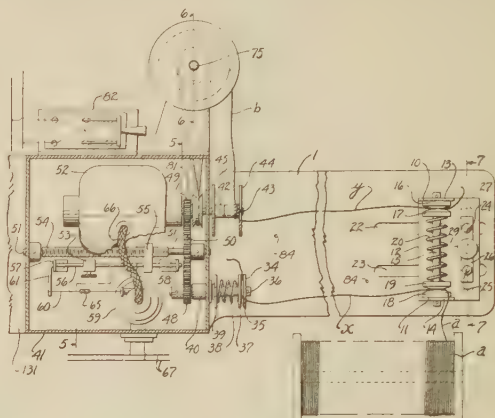


A device of the class described comprising a rigid metallic blade having a right angle twist intermediate of its length, enlarged substantially tapering portions at the ends of said blade, the smaller end of said portions having an opening which communicates with a larger opening, said latter opening adapted to have the head of a collar button inserted therein, a slit in said blade opening into the larger opening, said smaller opening being split and having overlapping projections in the region of said slit; lugs formed on said blade intermediate of said slit, one of said lugs having a right hand thread and the other lug having a left hand thread, a threaded stud adapted to engage said lugs and increase or decrease the area of said openings when manipulated.

1,463,401. MACHINE FOR AND METHOD OF UNITING THREADS OR CORDS. WILLIAM H. PEARSON and TIMOTHY J. KELLY, Passaic, N. J., assignors to Brighton Mills, a Corporation of New Jersey. Filed Apr. 12, 1921. Serial No. 460,725. 29 Claims. (Cl. 117—6.)

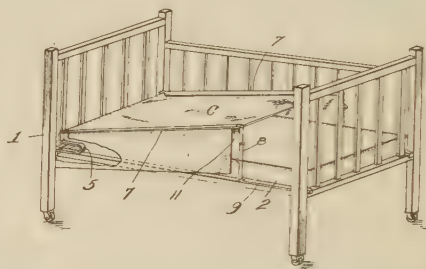
1. A mechanism for uniting threads or cords including in combination means for delimiting two equal lengths in

the ends of two threads, means for untwisting the strands of said lengths, and simultaneously winding another por-



tion of the thread and by the unwinding of said portion to restore the twist to the untwisted strands.

1,463,402. ADJUSTABLE BEDCOVER FASTENER. JULIUS A. PETZOLD, Kansas City, Mo., assignor to Children's Bed Cover Fastener Company, Kansas City, Mo. Filed Aug. 14, 1922. Serial No. 581,657. 2 Claims. (Cl. 5—319.)



1. In a bed clothes holder, a fastening means for the covering at opposite sides of a bed, and means supporting the fastening means yieldingly as regards up and down movement of the latter; the means supporting the foot ends of the fastening means tending to hold the latter yieldingly depressed and the means supporting the head ends of the fastening means being extensible to a locked position to prevent accidental lowering of such ends of the fastening means under the gravitative force of the latter.

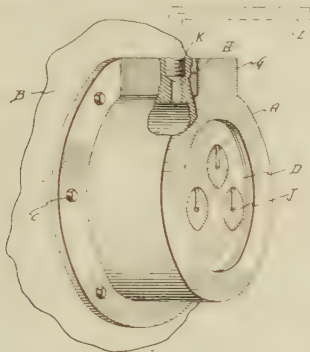
1,463,403. ADHESIVE PASTE. BIRTRUN L. PICKARD, Los Angeles, Calif. Filed Aug. 29, 1922. Serial No. 585,057. 1 Claim. (Cl. 87—17.)

The herein described composition of matter, consisting of cactus liquid, glue, corn starch, shellac and alum, said cactus liquid being present in prepondering proportion over each remaining element.

1,463,404. CONDENSATION-METER COUNTERHOUSING. JOHN V. REDFIELD, Grosse Pointe, Mich., assignor to Central Station Steam Company, Detroit, Mich., a Corporation of Michigan. Filed July 5, 1921. Serial No. 482,385. 2 Claims. (Cl. 235—1.)

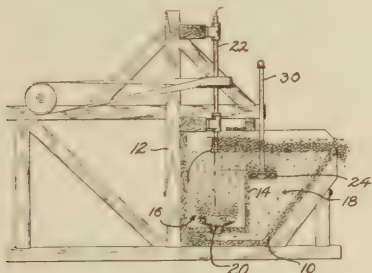
1. The combination with a condensation meter of a vacuum system, of an auxiliary casing having a transparent wall and provided with means for securing it to the meter casing in air-tight connection therewith over

the indicating means thereof with its interior in communication with the vapor system, and means for temporarily connecting the interior of the auxiliary casing



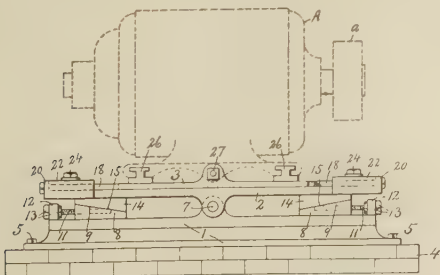
with the outside atmosphere to permit the outside atmosphere to clear the transparent wall of the auxiliary casing for taking a reading of the indicating means.

1,463,405. FLOTATION APPARATUS. JOSEPH P. RUTH, Jr., Denver, Colo. Filed Oct. 4, 1919. Serial No. 328,448. 3 Claims. (Cl. 83—85.)



1. Flotation apparatus having a mixing compartment and a separating compartment adapted to maintain a relatively quiescent body of pulp therein, a partition dividing the compartments and over the top of which pulp is adapted to flow, means to maintain the pulp level above said partition, a hollow member on the top of said partition, one wall of said member being porous, means for introducing gas into said member whereby it will pass thru said porous wall and into the overflowing pulp and means in the mixing compartment for introducing gas into the pulp, said pulp level being uninterrupted whereby pulp and froth may flow freely and uninterruptedly from the top of the mixing compartment over said member and across said separating compartment.

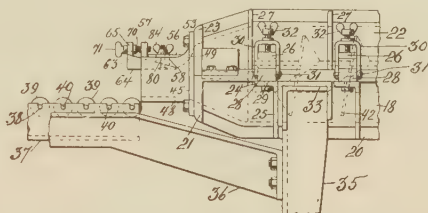
1,463,406. MOTOR SUPPORT. WILLIAM C. SERRELL, Syracuse, and CHARLES E. WIDMEYER, Beaver Falls, N. Y. Filed Nov. 13, 1922. Serial No. 600,776. 2 Claims. (Cl. 248—30.)



2. In a motor support, a relatively fixed base plate, a movable plate pivotally mounted on the base plate to rock vertically, means for adjusting the last named plate about the axis of the pivot and a motor supporting plate

pivoted to the second named plate to swing horizontally and means for adjusting the last named plate about the axis of its pivot.

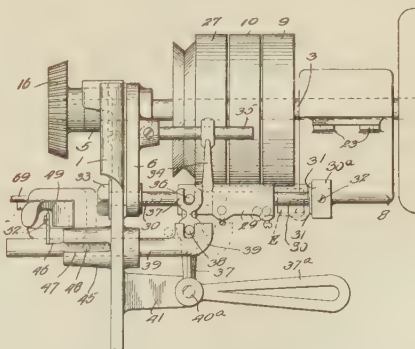
1,463,407. ADJUSTABLE FORMING OUTLET NOZZLE. ALBERT SHARP and GEORGE SHARP, Bayonne, N. J. Filed June 9, 1921. Serial No. 476,249. 3 Claims. (Cl. 31—65.)



1. In a nozzle the combination of walls forming a passage therethrough, one of said walls comprising a stationary member having an inclined bearing face and an elongated opening therethrough, a threaded lug extended from the stationary member, an adjustable wedge shaped member with one face thereof bearing against said inclined bearing face, the said wedge shaped member having a face thereof parallel to the face of the wall of the nozzle, opposite thereto, a lug extending from the wedge shaped member, a screw having a shank, said screw in threaded engagement with said threaded lug, the shank supported in the lug extending from the wedge shaped member, means to maintain said shank in its lug, a screw extending through the wedge shaped member, a head for the screw located in a cavity of the wedge shaped member, said screw extending through the elongated opening in the stationary member and a nut for the screw to clamp the wedge shaped member to the stationary member.

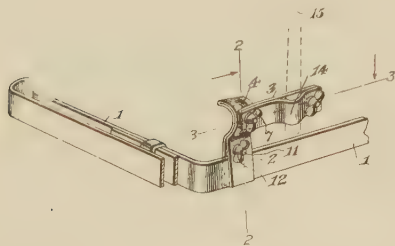
3. In a nozzle the combination of walls forming a passage therethrough, one of said walls comprising a stationary member having a threaded lug formed therewith, a wedge shaped detachable member with one of its faces bearing against the stationary member and having a lug formed therewith, a screw with its shank rotatably maintained in said lug and its threads in engagement with said threaded lug, a screw extending from the wedge shaped member and extending through an elongated opening in the stationary member and a nut for the latter screw to clamp the members together.

1,463,408. SPEED-CHANGING MECHANISM. WILLIAM HENRY SWARTZ, York, Pa., assignor to The General Machine Works, a Corporation of Pennsylvania. Filed Sept. 14, 1920. Serial No. 410,313. 4 Claims. (Cl. 66—19.)



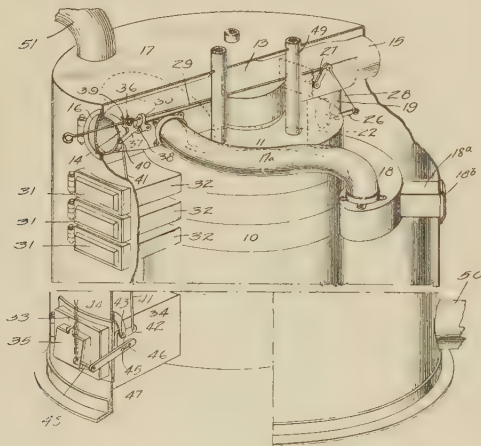
1. In a knitting machine, the combination with a rotary driven member, of means to drive said member at high speed and low speed, automatic means for shifting between high and low speeds, and hand-operated means to vary said low-speed for the purpose of adapting it to irregularities in the yarn.

1,463,409. EMBLEM HOLDER FOR AUTOMOBILE FENDERS. MARY E. THEISS, Warrensburg, Mo. Filed Jan. 14, 1922. Serial No. 529,279. 2 Claims. (Cl. 248—38.)



1. An emblem holder for automobile fenders comprising an upright clamp formed of a single narrow strip of sheet metal returned upon itself, with the doubled strip curved through the return portion and there slotted longitudinally, a clamp screw traversing the slot, and another clamp member comprising a narrow strip of sheet metal returned upon itself to constitute a flag-staff holder and capable of being made fast to the first named clamp in adjusted position.

1,463,410. RADIATOR STRUCTURE FOR FURNACES. WILLIAM H. WAHL, Des Moines, Iowa. Filed Oct. 16, 1922. Serial No. 594,757. 1 Claim. (Cl. 126—102.)

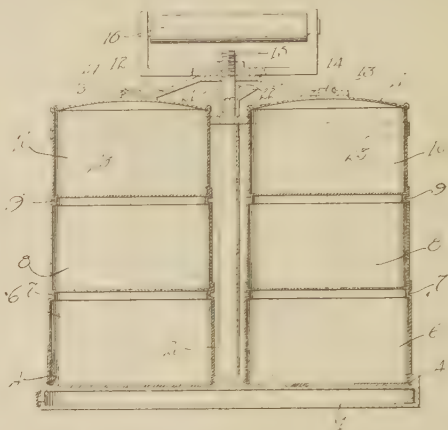


In a device of the class described, the combination of a furnace combustion chamber with a hot-air chamber having its walls spaced therefrom to leave an intervening compartment, a smoke conducting and radiator structure in said compartment, comprising a pipe extending across the top of the device having an enlarged portion communicating with the combustion chamber, pipes communicating with said first pipe at the forward portion thereof and extending downwardly and rearwardly, a curved hollow drum connecting the lower end of the last-described pipes, a pipe connecting the central portion of said drum with the rear portion of said first pipe, and a cold air duct communicating with said compartment below said drum.

1,463,411. LUNCH HEATER AND CARRIER. JOSEPH WEISS, Chicago, Ill. Filed Sept. 5, 1922. Serial No. 586,242. 2 Claims. (Cl. 126—261.)

1. A device of the type described comprising a frame consisting of top and side plates, and a hollow base adapted to hold water, an inlet pipe communicating

with said base and projecting through said top plate, said base having depressions therein, interlocking receptacles constituting a single unit when assembled, the



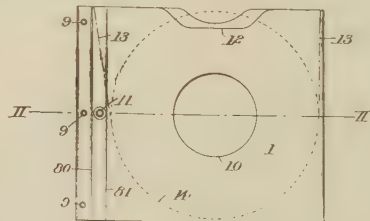
lowermost receptacle of each unit being disposed in one of the depressions, and strips carried by said frame for securing the upper receptacles to said frame.

1,463,412. SAFETY APPLIANCE FOR DRILL CHUCKS. DENVER BROWN WELLER, Washington, D. C. Filed Mar. 21, 1918. Serial No. 223,766. 3 Claims. (Cl. 279—9.)



1. In a rotary chuck, the combination with movable jaws, of a means for actuating said jaws consisting of an oscillatory sleeve provided with shoulders adjacent its ends and a contractible band carried on said sleeve between the shoulders and having sufficient inherent contractile force to remain there and constituting a means when grasped for operating the sleeve and then permitting slippage of said sleeve while the chuck is constantly rotated.

1,463,413. ENVELOPE FOR DISK RECORDS. WILLIAM WILBURGER, Brooklyn, N. Y. Filed Oct. 12, 1921. Serial No. 507,204. 5 Claims. (Cl. 129—20.)



1. The combination with an envelope for disk records having an opening to display the title of a record arranged therein, of means for restricting the width

of the envelope substantially midway between its mouth and bottom to correspond substantially to the diameter of the record whereby the title thereof will be properly centered in said opening, the mouth of said envelope being considerably wider than the diameter of the record for the purpose specified.

5. A double envelope for disk records formed from a substantially rectangular blank having lower portions separated by a slit and folded upon upper portions to form the two pockets, said pockets being folded upon one another with said lower portions inside and the inner margins of said lower portions being cut away along said slit to space them from the fold between the pockets for the purpose specified.

1,463,414. MACHINE FOR MANUFACTURING TOOTHED WHEELS, SCREW WHEELS, OR THE LIKE. SVEN GUSTAF WINGQUIST, Gottenborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed Mar. 2, 1921. Serial No. 449,007. 5 Claims. (Cl. 90—3.)



1. In a machine for manufacturing gear wheels according to the principle set forth, the combination with a tool of a link system to cause a relative rolling movement between the tool and a wheel blank to take place at both sides of the normal position of the link system, the tool being placed at a distance from the starting point for the rolling movement as determined by the link system.

1,463,415. SANITARY DISPENSING APPARATUS. FRANK YOUNGER, Wallace, Calif. Filed July 15, 1921. Serial No. 485,019. 10 Claims. (Cl. 221—62.)



1. In a dispensing apparatus of the class described, a container, a base section including a vertical tubular extension provided with an internal funnel shaped member which constitutes the bottom for the container, the said member having a tapering outflow passage that constitutes a valve seat, means for coupling the container and the tubular extension of the base, the said container including a restricted neck, a normally closing plunger valve engaging the valve seat, a valve lifter device that includes a head having a hollow shank

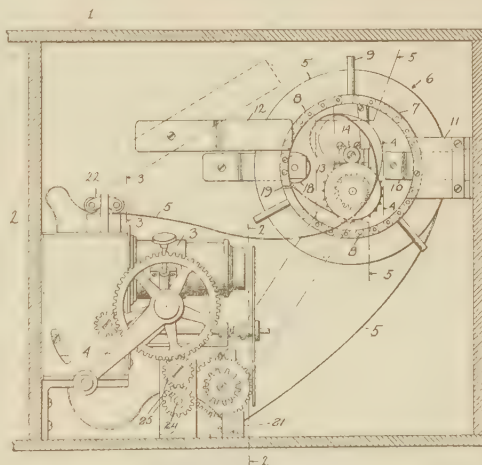
that closely fits and has vertical movement within the container neck, the head constituting a finger grip for raising the valve from the valve seat to open the passage and a plunger for returning the valve to the closed position when the lifter device is released.

1,463,416. AIR CLEANING AND HEATING ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. FRANK H. ADAMS, Cleveland, Ohio, assignor, by mesne assignments, to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 12, 1917. Serial No. 201,714. 16 Claims. (Cl. 183—32.)



1. In combination with an internal combustion engine, an air cleaning attachment therefor, said attachment comprising a chambered device having an air inlet, and an air outlet which is connected to the engine, and means separate from the suction in the cylinders of the engine for creating a suction on the air passing from the inlet to the outlet so as to extract therefrom foreign particles.

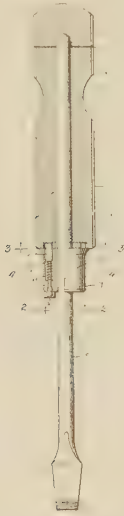
1,463,417. MOTION-PICTURE-PROJECTING MACHINE. WILLIAM J. BLANKENBERG, Buffalo, N. Y., assignor to The Perfect Projector Machine Company, Buffalo, N. Y., an Unincorporated Stock-Issuing Company organized by a declaration of trust under the common law of New York. Filed Sept. 24, 1920. Serial No. 412,604. 3 Claims. (Cl. 88—18.7.)



1. In a motion picture projecting machine, the combination of projecting mechanism having an operating shaft, annular means for revolvably supporting a vertical coil, or film, said means being located in front of said mechanism and in a plane parallel to the focal axis and having an unobstructed side and an obstructed side, a support to which said means is hinged, stationary means effective in the operative position of said coil supporting means to prevent the displacement of the film from said unobstructed side, positively acting film feeding means located within said coil as supported by said supporting means and with which the inner convolution of the coil is en-

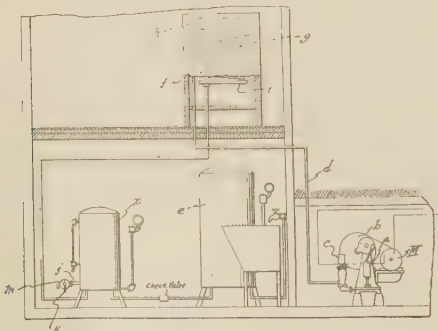
gaged, said film feeding means having an operating shaft projecting through the unobstructed side of said supporting means, and gearing operatively connecting the operating shaft of said projecting mechanism and said film feeding means to cause the latter to take film from the center of the coil, said annular supporting means being movable on its hinge toward and from the stationary means.

1,463,418. RATCHET SCREW DRIVER. HOWARD D. CHAPMAN, Baltimore, Md. Filed Dec. 21, 1921. Serial No. 523,975. 2 Claims. (Cl. 145—75.)



1. A ratchet screw driver of the class described, comprising a blade having a sectional handle secured to one end thereof, said handle including three (3) parts, spaced upper and lower sections rigidly secured to the blade, an intermediate power applying section freely rotatable on the blade, said intermediate section having a recess formed in its lower end, a ratchet wheel secured in said recess, said lower rigid section provided with a recess communicating with the first named recess, an operating dog mounted in the recess of the lower section, a spring surrounding said dog to normally urge it into engagement with the ratchet wheel of the power applying section, whereby upon applying rotary motion to said section it will be converted to the blade, and a ratchet dog operating means secured to the lower end of the ratchet dog and located exteriorly of the lower section, whereby the rotary motion of the blade may be governed.

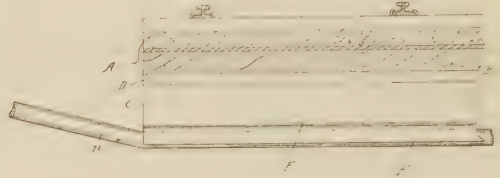
1,463,419. REFRIGERATING APPARATUS. LLOYD G. COPEMAN, Flint, Mich., assignor to Edwin W. Atwood, Flint, Mich. Filed July 8, 1922. Serial No. 573,601. 6 Claims. (Cl. 257—2.)



1. In refrigerating apparatus, the combination of a chamber to be cooled, a water line passing in heat-exchanging adjacency to said chamber, a pressure-controlled pump for

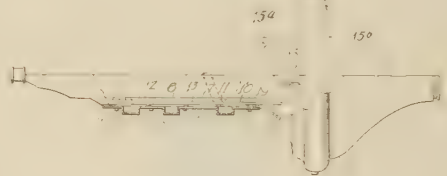
supplying water to the water line, a storage tank, supplied with water from that portion of the water line that passes in such adjacency to the chamber to be cooled, and means for bleeding water to relieve the pressure in the storage tank at stated periods to cause the pump to supply a new charge of cold water to the portion of the water line in such adjacency with the cooling chamber.

1,463,420. TROLLEY-WIRE-HOLDING RAIL. KENNETH C. HALE, Detroit, Mich. Filed June 26, 1922. Serial No. 570,814. 5 Claims. (Cl. 191—40.)



1. The combination with a trolley wire, of a rail for supporting said wire while passing beneath a restricted clearance, said rail having a continuous web forming a rigid bearing for the wire.

1,463,421. LUBRICATING DEVICE FOR AUTOMOBILES, ETC. RALPH B. HANSCOM, Morristown, S. Dak. Filed Oct. 15, 1921. Serial No. 507,996. 4 Claims. (Cl. 184—13.)



1. The combination with an internal combustion engine having a crank shaft and a crank case, of a single metallic member fashioned and bent for part of its length to provide a relatively large straight conduit portion having a flange extending parallel with the longitudinal axis of the straight portion, and fashioned and bent for the remainder of its length to provide an upturned lubricant receiving portion, said flange being removably secured to said crank case at the bottom thereof, whereby said straight portion is arranged to lie in a plane parallel to said crank shaft adjacent the bottom of said crank case.

1,463,422. WINDOW REGULATOR. ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 27, 1921. Serial No. 464,870. 1 Claim. (Cl. 268—4.)

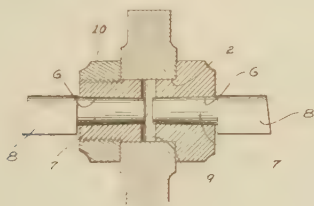
In a window regulator, the combination of a pair of rotatable members, one of which is slidably supported, an endless flexible draft member running over the rotatable members, and arranged for connection with the window, means for yieldingly forcing said slidable rotatable member outwardly to tension the flexible draft member, and means for rotating one of said rotatable members including a clutch which, if uncontrolled, locks before the draft-tensioning means can return the draft member to taut relation after the draft-tensioning member has been collapsed

by continued driving effort on the rotating member after the window has been stopped, the said clutch provided with



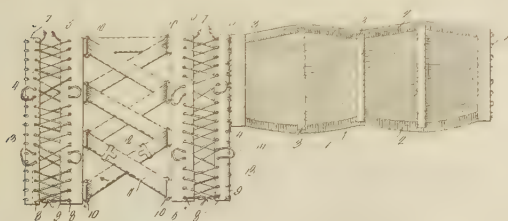
devices for retarding the clutch action so that the clutch only locks after the draft-tensioning means has returned the flexible draft member to taut relation.

1,463,423. PIVOT MOUNTING. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Oct. 19, 1921. Serial No. 508,708. 6 Claims. (Cl. 74—104.)



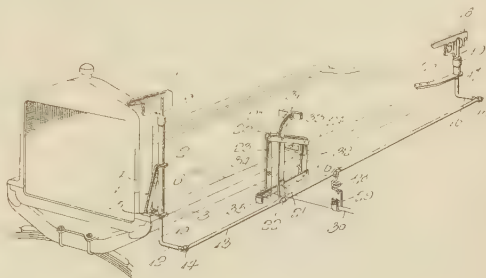
1. In a device of the class described, in combination, a pivot retainer having a portion adapted to be passed through a lever, a shoulder at one end of said portion said shoulder adapted to engage one of the sides of the lever, means adapted to engage the other side of said lever for clamping the pivot retainer in position, and a knife edge pivot separably secured to said pivot retainer.

1,463,424. BUST CONFINER AND REDUCER. JOSEPHINE L. HOLT, Portland, Oreg. Filed Nov. 26, 1919. Serial No. 340,810. 4 Claims. (Cl. 2—73.)



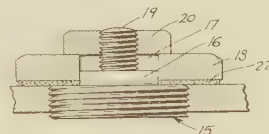
1. In combination, a back section, a bust supporting element, and means for attaching the bust supporting element to the back section in different vertical positions thereon.

1,463,425. AUTOMOBILE TURNING SIGNAL. CARL REINHOLDT KOSITZKY, Bismarck, N. Dak. Filed Mar. 12, 1923. Serial No. 624,569. 3 Claims. (Cl. 116—47.)



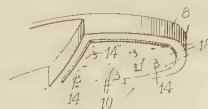
1. A turning signal for automobiles comprising upright signal operating shafts and means for mounting them at the front and rear of a machine respectively, each of said shafts having a lateral crank arm, a longitudinal rod extending between and pivoted at its ends to said crank arms, and means connected to said rod for moving the same either forwardly or rearwardly to turn said shafts simultaneously in one direction or the other, and a yieldable connection between said rod and a fixed part of the chassis to normally retain the lever in a neutral position and prevent rattling.

1,463,426. CLOSURE PLUG. ERNEST L. LANFAIR, Sawtelle, Calif. Filed Nov. 18, 1921. Serial No. 516,064. 5 Claims. (Cl. 220—39.)



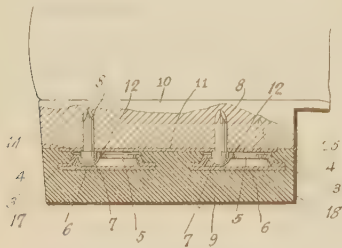
1. A closure plug comprising a screw plug, an annular projection formed in one side of the plug, a screw-threaded shank projecting from the projection, a washer mounted on the projection side of the plug, an operating nut having a socket which receives and is of the same shape as said projection, and a nut mounted on said shank and arranged to engage said operating nut.

1,463,427. DETACHABLE SHOE HEEL OF THE PLATE TYPE. CHARLES WILLIAM LAVERS, Halifax, Nova Scotia, Canada. Filed June 29, 1920. Serial No. 392,871. 2 Claims. (Cl. 36—36.)



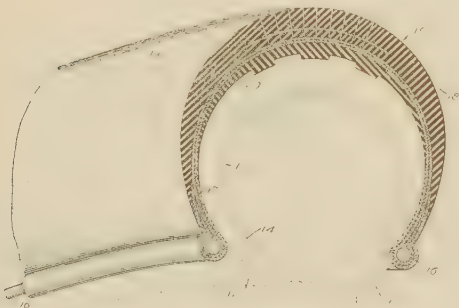
2. A shoe heel having a permanent member, a base plate secured thereon, engagement means projecting from said plate and projecting stops carried by said plate, in combination with a detachable member and a plate embedded therein and formed with slots to receive said engaging means, the material at the entrance of the throat of each slot being deflected from the normal plane to guide said engaging means thereinto, said plate being further provided with slots, one wall of each of said last named slots being engaged by one of the aforesaid projecting stops on the aforesaid base plate, to limit the travel of the second named plate relatively to the first named plate to prevent over-run and engagement of the second plate by the engaging means at the time of this disengagement.

1,463,428. DETACHABLE SHOE HEEL OF THE EMBEDDED-WASHER TYPE. CHARLES WILLIAM LAVERS, Halifax, Nova Scotia, Canada. Filed June 29, 1920. Serial No. 392,872. 5 Claims. (Cl. 36—36.)



1. In combination with a detachable shoe heel of plastic material, an attaching element of box-like construction closed on all sides and provided in one side with an opening to receive a cooperating attaching means, said element being embedded in the plastic material of said heel and by its box-like construction excluding from its interior the plastic material of said heel.

1,463,429. TIRE SHOE. MALCOLM D. LOGAN, Los Angeles, Calif. Filed Jan. 23, 1923. Serial No. 614,505. 5 Claims. (Cl. 152—17.)

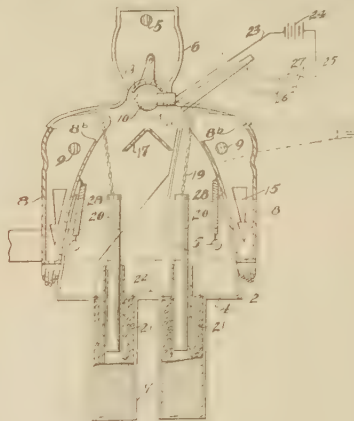


3. An overshoe for pneumatic tire casings comprising an outer body portion of rubber substantially crescent-shaped, and extending over the tread and down over the sides of the casing to a point below the transverse sectional center of the casing, and stitched thereto, a fabric breaker strip embedded within the rubber directly below the tread portion of the casing, fabric layer strips, to which the body portion of the shoe is vulcanized, rigid reinforcing rings or wires disposed along the opposite edges of the shoe and along which the fabric strips are wrapped, said strips being thereafter rigid within the rubber of the casing, the tread stitching passing through the breaker strip and into the fabric strips of the shoe, said stitch occurring at intervals throughout the length of the shoe and arranged across the tread portion thereof, and a crescent-shaped layer of plastic rubber within the shoe and adapted to permanently conform to the contour and irregularities of the casing over which the shoe is mounted.

1,463,430. AUTOMOBILE SIGNAL. ASHLEY L. McMURTRY, Dunnville, Ontario, Canada. Filed Mar. 4, 1920. Serial No. 363,225. 3 Claims. (Cl. 177—327.)

2. A signal device comprising a casing, hollow pivoted swinging arms secured to the casing, signal windows

in the arms, a single light in the casing intermediate the hollow arms, and a reflector adapted to reflect the rays



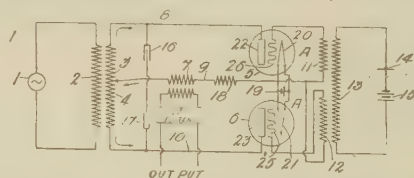
of said light into the hollow arms when they are in horizontal position.

1,463,431. PROTECTIVE CURTAIN. ISIDORE NEFT and HUGH P. NASS, Seattle, Wash. Filed June 27, 1921. Serial No. 480,857. 2 Claims. (Cl. 20—40.)



1. In a protective device for show windows, a foldable curtain having one end secured above the window, a bar secured to the free end of said curtain, an electromagnet arranged above said window adapted to attract said bar when energized to retain the curtain in a raised position, a weight carried by said bar and adapted to lower the curtain when the magnet is deenergized, and means for locking said curtain in lowered position.

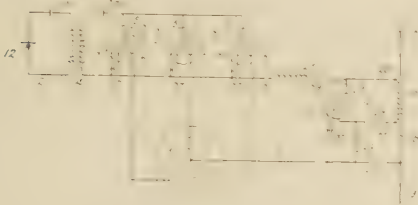
1,463,432. VACUUM-TUBE APPARATUS. HAROLD W. NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 2, 1917. Serial No. 184,060. 21 Claims. (Cl. 179—171.)



1. The combination with a plurality of vacuum tubes, of a common input circuit therefor, an output circuit for each tube, a source of alternating current common to

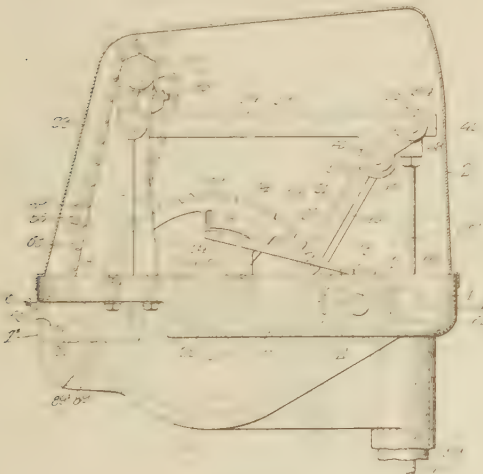
said output circuits for supplying current to the tubes, signaling means associated with said input circuit and an oscillating current generator coupled to said output circuits.

1,463,433. SIGNALING. HAROLD W. NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 4, 1918. Serial No. 265,255. 29 Claims. (Cl. 179—171.)



10. In a signaling system, a modulating device, a source of multi-phase alternating electromotive force, and signal controlled rectifying means to impress from said source upon said device a unidirectional voltage which varies in accordance with signals.

1,463,434. WINDMILL. MOSES C. NIXON, Chicago, Ill. Filed Jan. 3, 1921. Serial No. 434,754. 34 Claims. (Cl. 184—4.)

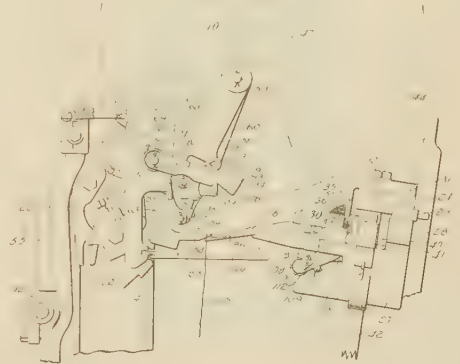


3. In a windmill, the combination with a supporting frame constructed to embody an incasement, of stud-shafts supported by said frame, anchors adapted to rigidly secure said shafts in position and permit their adjustment to alignment with each other without perforation of the incasement, gear wheels revolvably mounted upon said shafts, a container for lubricant, and means adapted to convey lubricant from the container to the stud-shafts for lubricating the bearings of said gears.

1,463,435. AUTOMATIC LOOM. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Mar. 18, 1918. Serial No. 223,097. 18 Claims. (Cl. 139—259.)

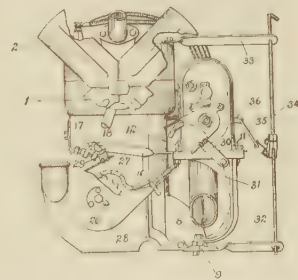
7. A loom having, in combination, a lay, weft replenishing mechanism, loom controlling devices, a shuttle box at the replenishing end of the lay having its front wall so constructed that when the shuttle is boxed the

eye of the shuttle is beyond the outer end of the front wall, means for clamping the outgoing filling end between the outer end of the front wall of the shuttle box and the shuttle eye, and means for severing the filling between the clamping means and the ejected bobbin.



14. A loom having, in combination, a lay, a self-threading shuttle having a threading block in its top side and an eye in its front side, weft replenishing mechanism, and means on the lay for guiding the incoming filling end down into the plane of the shuttle eye as the shuttle is picked following the replenishing operation.

1,463,436. ELECTRIC-GENERATOR-OPERATING MEANS. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splittorf Electrical Company, New York, N. Y. Filed Aug. 5, 1922. Serial No. 579,868. 11 Claims. (Cl. 123—195.)

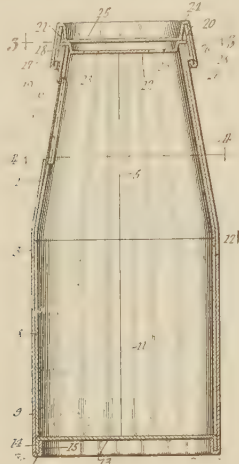


1. Means for operating an electric generator from an engine consisting of; a bracket having arms with points of attachment to said engine, a brace having one end fastened to the engine and the other end to the bracket, devices on the brace for positioning the generator on the bracket, means for holding the generator in engagement with said devices and to the bracket, and means for driving the generator from the engine.

1,463,437. PAPER MILK BOTTLE. RUTH M. OLIVER, New York, N. Y., assignor to Mrs. Lydia B. Koch, New York, N. Y. Filed Dec. 11, 1922. Serial No. 606,133. 12 Claims. (Cl. 229—4.5.)

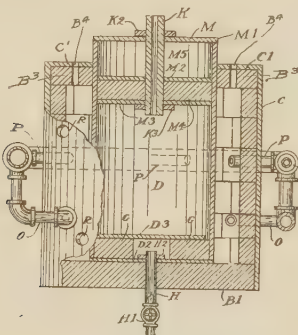
1. A bottle formed of sheet paper, its body comprising interfitting sections placed end to end and forming a lap joint at their meeting ends.

10. A paper bottle including a paper wall, and a neck ring of paper having an intumed edge portion engaging and secured to the wall, the free edge of said intumed



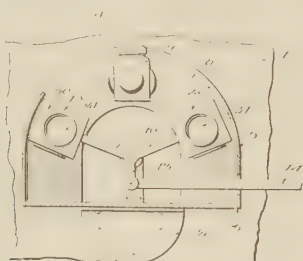
portion and the adjacent end of the wall co-operating to provide a disk supporting shoulder surrounded by the neck ring.

1,463,438. CARBONIZING FURNACE. NELS OLSEN, San Leandro, Calif. Filed Mar. 1, 1920. Serial No. 362,372. 4 Claims. (Cl. 266—5.)



1. In a device of the character described the combination of a closed non-rotatable cylindrical inner chamber, an enclosed outer chamber surrounding the inner chamber, a plurality of fuel nozzles extending into the annular chamber a spaced distance apart means for feeding fuel into the fuel nozzles, and means for placing pieces of metal therein for heat treating so that they will not touch each other.

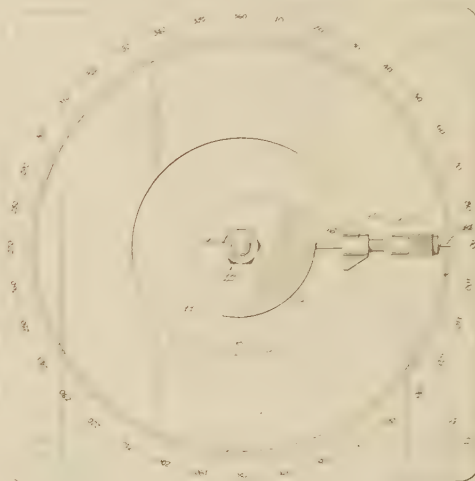
1,463,439. SIGNAL. WILLIAM J. PECK, White River Junction, Vt., and ELLE R. CHASE, West Lebanon, N. H. Filed May 2, 1922. Serial No. 557,965. 2 Claims. (Cl. 116—30.)



2. A signal of the class described including a casing, a source of illumination in the casing, a shaft rotatable in the casing, a pair of diverging arms extending from

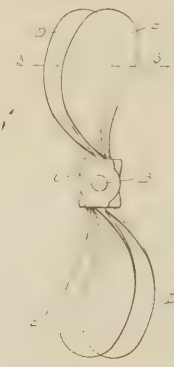
the shaft, members on said arms, each member comprising a pair of panels to be used as flags in daytime disposed at right angles to each other, and windows in the panels adapted to be moved with the panels in association with the source of illumination in the manner and for the purpose specified.

1,463,440. TESTING DEVICE. STEPHEN PICHLER, Detroit, Mich. Filed July 26, 1922. Serial No. 577,652. 3 Claims. (Cl. 33—1.)



1. Means for ascertaining the inaccuracies of a curvilinear surface on a piece of work comprising a plate having linear graduations and an opening to receive the piece of work, means for holding the piece of work in a defined position relative to the wall of the plate opening, and means having a constant radial relation to the piece of work and slidable on and circumferentially of the marginal edges of the plate opening, and adjustable to and from the axis of the plate opening adapted to engage the piece of work and permit of an inaccuracy in the piece of work being ascertained, said means including a pointer overlying said plate and movable relative to the graduations thereof.

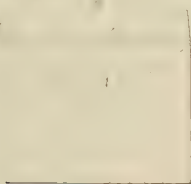
1,463,441. PROPELLER. RICHARD PIKE, St. John's, Newfoundland. Filed Dec. 10, 1921. Serial No. 521,278. 3 Claims. (Cl. 170—165.)



1. A device adapted for use as a propeller, consisting of a rotary structure comprising a hub and pairs of blades extending therefrom, said pairs being spaced equidistant circumferentially, the two blades of the same pair forming portions of similar spirals and being offset along the axis of rotation by about half the width of said blades, so that one blade will be in front of the other, the longitudinal axes of all the blades forming the same angle with the axis of rotation, the rear blades having their corresponding points in the same planes perpendicular to

said axis, and the front blades likewise having their corresponding points in the same planes perpendicular to said axis, the rear blade of each pair being offset circumferentially relatively to the front blade of the same pair and, when viewed in a direction along the axis of rotation, overlapping such front blade by at least one-half of its area, the circumferential offset being in such direction that such rear blade will be the leading blade, during the rotation of the device in the normal direction, to secure an efficient consecutive contact of the fluid with the two blades of the same pair.

1,463,442. ENVELOPE, POSTAL WRAPPER, OR THE LIKE. ALBERT SAMUEL, Paris, France. Filed Aug. 19, 1921. Serial No. 493,655. 1 Claim. (Cl. 229—85.)



An improved envelope, capable of being opened without necessitating any special tool, the said envelope being provided on its inner face in a position parallel to the line along which the closing flap is folded with a narrow band on which a semi fluid substance or varnish is applied so as to render the paper thicker, the paper being formed opposite to this narrow band on one side with a protruding tongue.

1,463,443. OPENING DEVICE FOR CLOSED OR SEALED TINS AND CONTAINERS. WILLIAM SELBY-FAYERS and ERNEST RAYNER GATES, Surrey, England, assignors to The West Surrey Central Dairy Company, Limited, Guildford, England. Filed Dec. 28, 1921. Serial No. 525,364. 9 Claims. (Cl. 220—43.)

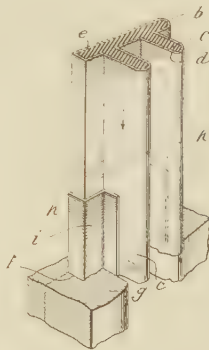


1. The combination of a sealed can with an opening device comprising a cutting wire extending through a hole in the can at a point near the junction of the side and end walls thereof, said hole being sealed around the wire, a body which is attached to the inner end of the wire and which is greater in at least one of its dimensions measured transversely to the axis of the wire than the width of the hole aforesaid and of the cut to be made by the wire, and means at the outer end of the wire to permit the device as a whole to be drawn bodily by hand to effect the cutting operation.

1,463,444. REMOVABLE WINDOW GUIDE. EMORY GLENN SIMPSON, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed May 1, 1922. Serial No. 557,780. 8 Claims. (Cl. 296—44.5.)

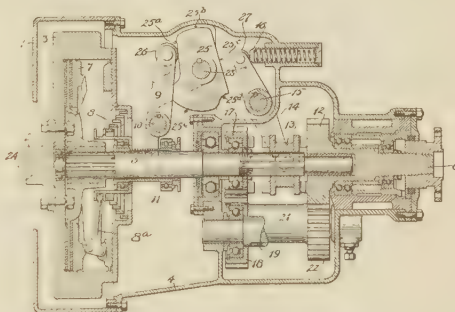
2. In a body construction, the combination of a window well and a window post provided on its face with a channel member having one or more laterally offset grooves, and a channelled window guide that can be slid

into the channel and the offset groove or grooves from the top of the window well, a portion of the channelled guide interlocking in the groove or grooves offset from the



channel member on the face of the post, whereby the said window guide may be placed in the window well after the same has been closed.

1,463,445. POWER-TRANSMISSION MECHANISM. BENJAMIN C. SMITH, Westfield, N. J., assignor to Standard Motor Construction Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 25, 1922. Serial No. 603,150. 11 Claims. (Cl. 74—59.)



1. In a power transmission mechanism, a driving shaft, a motor clutch therefor, a driven shaft, a train of reversing gears leading from the driving to the driven shaft, said train being normally free of one of said shafts, a sliding clutch, shifting means for said sliding clutch for moving the latter into one position to connect said driving and driven shafts for like rotation and for moving said sliding clutch into another position for connecting said reversing gear train with both of said shafts for reverse rotation of said driven shaft, shifting means for said motor clutch, and a manually operable means co-acting with both of said shifting means and operating to release the motor clutch preparatory to releasing the sliding clutch and to cause the motor clutch to move into clutch engagement after the sliding clutch has been moved into either of its aforesaid operative positions, said manually operable means comprising a cam having two separate inclined portions for operating on the aforesaid shifting means, with two high neutral portions for holding one of said shifting means in a certain position for certain times while said cam is operating upon the other shifting means.

1,463,446. CAMERA. SCOTT SNOWDEN, Modesto, Calif. Filed Sept. 19, 1921. Serial No. 501,573. 6 Claims. (Cl. 95—15.)

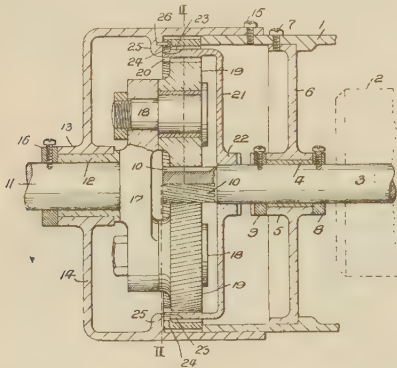
1. In a camera support, a tripod having a ring rack on its head, a disk rotatably mounted on the tripod, a base

carried by the said disk, a rotatably mounted shaft carried by the base, a pinion on the said shaft engaging the



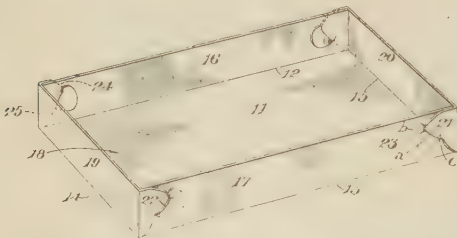
ring rack, a camera support, means for adjustably connecting the camera support to the said base at each end of the said camera support.

1,463,447. REDUCTION-GEAR MECHANISM. AMBROSE C. STAHL, Detroit, Mich. Filed Dec. 14, 1918. Serial No. 266,684. 1 Claim. (Cl. 74—34.)



In a reduction gear mechanism, a housing, a drive shaft extending in said housing, a driven shaft extending in said housing, a stationary internal rack in said housing, spiral gears supported from said driven shaft and bodily movable thereby about the axis of said driven shaft and meshing with a gear portion of said drive shaft, and means including a thrust gear shiftable on said drive shaft adapted to be operatively interposed between said spiral gears and said stationary internal rack to be held stationary relative to said drive shaft by said internal rack to effect a change in speed between said drive and driven shafts.

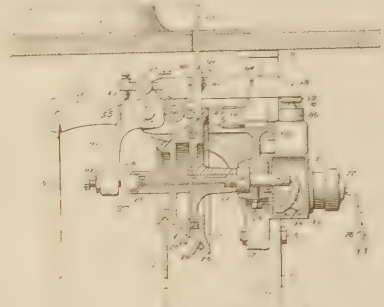
1,463,448. FOLDING BOX. EDGAR L. STERN, San Francisco, Calif. Filed Apr. 27, 1921. Serial No. 464,921. 4 Claims. (Cl. 229—35.)



1. A box comprising a rectangular body panel, end panels formed at the opposite ends of said panel, side

panels, tongues formed on the ends of the end panels, slots formed in the side panels for receiving the tongues, said slots permitting the side and end panels to be folded over the body panel and interlocked and instantly erected when interlocked without bending the tongues and co-operating means on the tongues and slots whereby the panels will be held rigid when interlocked and in their erect position and to resist collapsing thereof back to their positions.

1,463,449. ELECTRICALLY-CONTROLLED POWER TRANSMISSION. MAX TAIGMAN, New York, N. Y. Filed June 7, 1921, Serial No. 475,781. Renewed Apr. 21, 1923. 40 Claims. (Cl. 192—2.)



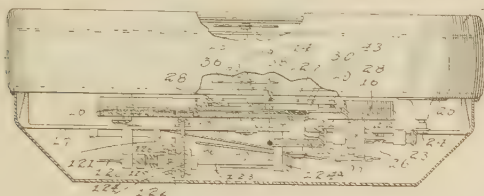
1. An article of manufacture complete in itself and constituting the controlling connection between a downwardly extending motor driven belt and an upwardly extending machine driving belt, said article comprising a supporting bracket adapted to be secured to the frame of the machine to be driven, a combined two-pulley clutch with one of the pulleys adapted to receive the driven belt and the other pulley adapted to receive the driving belt and a brake for braking the movement of the pulley carrying the driven belt, said brake and clutch carried by the bracket and a single control also carried by the bracket and adapted to be connected to a pedal for actuating the clutch, brake and circuit closer in proper operating sequence, said article being removable from the machine as a unit after the belts are slipped off their pulleys.

12. In a device of the class described the combination of a support, a lubricant receptacle mounted on one side of the support, a hollow shaft extending through the support with one end terminating in the receptacle and the other end projecting from the opposite side of the bracket, a pair of clutch pulleys carried by said projecting part of the shaft; a roller bearing carried by one of the pulleys adapted to be engaged by a shifter to move the pulleys into a driving relation and a wick in said hollow shaft with one end in said receptacle and the other end adjacent the roller bearing.

1,463,450. RECORDING SCALE. EDWARD G. THOMAS, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Mar. 29, 1918. Serial No. 225,478. 12 Claims. (Cl. 265—9.)

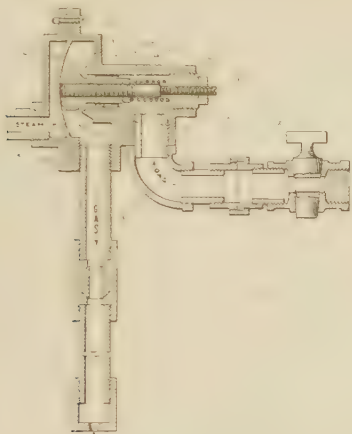
1. In a recording scale, the combination of a scale including a member positionable in accordance with the weight on the scale, a spring-propelled printing hammer, electrical means for retaining the printing hammer in inoperative position, a circuit breaker in the circuit of

said electrical means adapted to move in a line parallel to the line of motion of said member and having a part projecting into the path thereof, a type-carrying device



moving with the circuit breaker and adapted for cooperation with said hammer, and means for imparting motion to said circuit breaker.

1,463,451. GAS-REGULATING VALVE. LEO EUGENE TROSCLAIR, New Orleans, La. Filed Jan. 21, 1922. Serial No. 530,981. 6 Claims. (Cl. 236—26.)



6. The combination of a barrel having a valve seat, a valve adapted to engage the seat, abutable means carried by the barrel adapted to check the seating movement of the valve to leave a by-pass, means carried by the valve adapted to engage said abutable means, and means on said valve-carried means enabling adjustment thereof in respect to said abutable means to compensate for a grinding of the valve surface.

1,463,452. VAULT LIGHT. WILLIAM L. WALKER, New York, N. Y. Filed May 3, 1919. Serial No. 294,380. 11 Claims. (Cl. 94—29.)

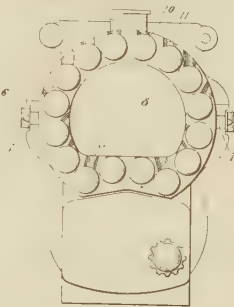


1. A vault light, comprising a supporting member, a lens in said member having a circumferential groove, a gasket in said groove for the purpose of providing a water-tight joint between said member and said lens, and sealing material above said gasket and between said lens and said member.

1,463,453. DISTRIBUTOR BLOCK AND METHOD OF MAKING THE SAME. LEO J. WERNER, Arlington, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed July 22, 1918. Serial No. 246,177. 5 Claims. (Cl. 200—19.)

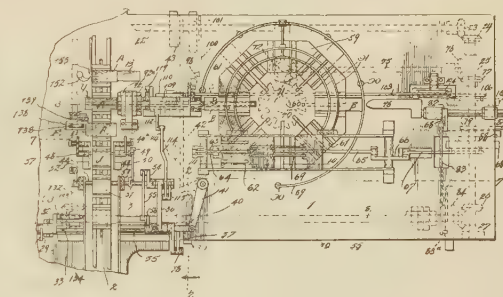
1. A distributor block for ignition generators having, an internal bore with electrical contacts arranged around the periphery of said bore and an external recess with

terminals on the block arranged around said recess with connectors extending to said contacts, said external re-



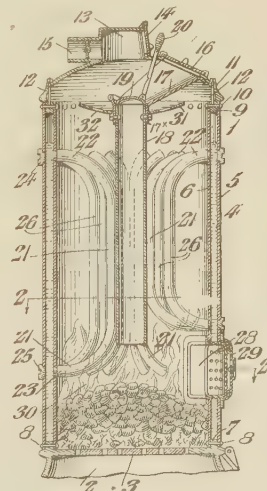
cess serving as a receptacle for electrical cables running to a portion of said terminals.

1,463,454. BOX-MAKING MACHINE. ERNEST D. ANDERSON and CARL BECKMANN, New York, N. Y., assignors to E. D. Anderson, Inc., New York, N. Y., a Corporation of New York. Filed May 19, 1921. Serial No. 470,935. 27 Claims. (Cl. 93—55.)



1. A box making machine comprising means to supply collapsed outer and inner box members, means to open said members separately, devices to bring opened outer and inner members into register, and means to insert the inner members into the outer members successively.

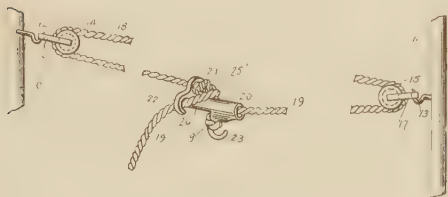
1,463,455. STEAM AND WATER BOILER. CHRISTIAN F. BACHLER, Philadelphia, Pa. Filed Apr. 30, 1919. Serial No. 293,777. 1 Claim. (Cl. 122—168.)



In a boiler of the character stated, a body having a water jacket, a dome having a fuel inlet therein, means for connecting said dome with said body, a central magazine,

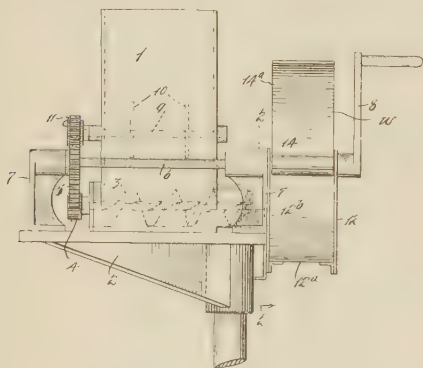
a closure for said magazine mounted on the top thereof, means for operating said closure from the exterior of said dome, a fuel directing chute connected with said dome and extending inclined from said inlet to said magazine, a collar on the inner end of said chute with which said magazine is connected and by which it is sustained in said body, a baffle plate in the body around the upper end of said magazine, and connected therewith, and a series of U-shaped water receiving tubes between the base and dome of the boiler surrounding said central magazine below said baffle plate and communicating with said water jacket.

1,463,456. CLOTHESLINE FASTENER. EDWARD BEAR, New York, N. Y. Filed Jan. 12, 1922. Serial No. 528,699. 1 Claim. (Cl. 24—129.)



A clothes line clamp comprising a body part having a reduced end, a sleeve formed at the end of said body oppositely disposed to said reduced part, a lower hook on said sleeve, a perforated crown on the reduced end of said clamp adapted to allow the passage of one end of a line to be knotted behind said crown, two lateral hook portions in said crown for guiding the free end of the line passed through said sleeve around said lower hook, from below over one of the said lateral hooks and over the upper face of said body through the other of said lateral hooks, substantially as described and for the purpose set forth.

1,463,457. FEED REGULATOR. CARL BECKMANN, New York, N. Y., assignor to E. D. Anderson, Inc., New York, N. Y., a Corporation of New York. Filed July 30, 1920. Serial No. 400,055. 3 Claims. (Cl. 83—44.)



1. The combination of a hopper having an axially disposed delivery outlet, a worm axially disposed with relation to said outlet to deliver material from the hopper through the outlet, a receiving guideway having a side opening communicating with the outlet and disposed in the axis of the worm to receive material therefrom, a blade rotative in the guideway and disposed parallel with the axis of the worm and having an edge operative across said side opening adapted to cut charges of material as delivered by said worm in the guideway, said blade having

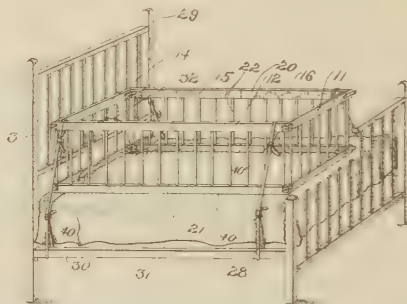
an outer edge operative along a wall of the guideway to push the material from the guideway, and gearing connecting the worm and the blade for rotating them in unison.

1,463,458. CUPPING GLASS. JAIME CATEULA, Buenos Aires, Argentina. Filed May 23, 1922. Serial No. 563,126. 1 Claim. (Cl. 128—297.)



A cupping device of glass or other suitable material and of any convenient size, provided with an annular groove in the interior thereof, either parallel or otherwise arranged with regard to the mouth thereof, at any suitable level of the same, for the purpose of gathering and retaining the slight excess of burning fluid which spreads over the inner walls of the cup as the latter is being turned into its operative position, all substantially as above described with reference to the accompanying drawings and for the purposes set forth.

1,463,459. PORTABLE CRIB. DOROTHY DEWEY COMSTOCK, Dedham, Mass. Filed Jan. 19, 1921. Serial No. 438,371. 2 Claims. (Cl. 5—58.)

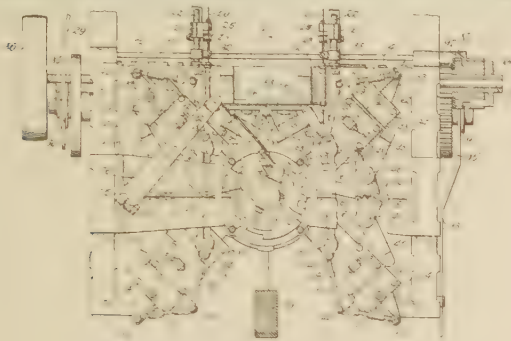


1. A folding crib for use on a bed comprising sides and ends somewhat shorter than the sides and ends of the bed respectively, so as to rest on the bed coverings along the sides and foot of the bed with a space between the upper end of the coverings and the head of the crib, in combination with flexible fastening means adapted to hold the crib in place on the bed, the sides of the crib being approximately twice as long as the ends and being divided in the middle, the sections so divided being hinged together, thereby affording six light, rigid sections of approximately equal length, whereby the crib may be folded with the sections in parallel juxtaposition to fit into an oblong casing.

1,463,460. SEALING MACHINE. SIMON COOPER, Brooklyn, N. Y., assignor to Menasha Wooden Ware Co., Menasha, Wis., a Corporation of Wisconsin. Filed Nov. 21, 1919. Serial No. 339,757. 40 Claims. (Cl. 140—93.)

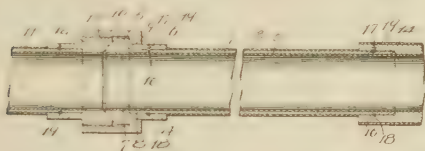
1. In a machine of the character described, a pail-holding device, means for cutting a measured length of wire means for bending the ends of said measured length

of wire radially toward the center of a pail on the pail-holding device the terminal ends of said bent wire ends



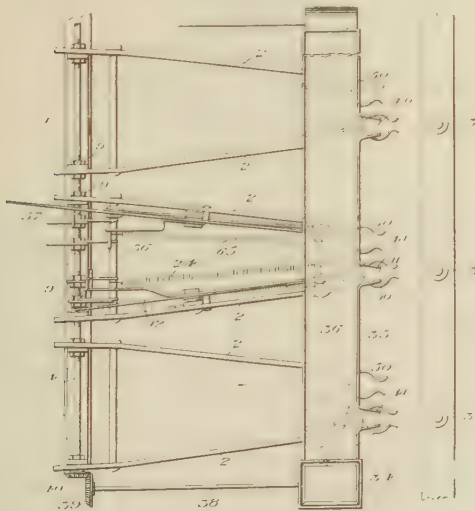
projecting beyond the bending means and means for advancing said bending means for driving said bent ends of the wire into the pail thus held.

1,463,461. SANITARY PIPING AND FITTING THEREFOR. WILLIAM J. DAVIS, Chicago, Ill. Filed Sept. 27, 1920. Serial No. 413,209. 9 Claims. (Cl. 137—75.)



1. In a device of the kind described and in combination, a pipe enameled on the interior and exterior surfaces, the enamel on one surface being spaced back from the end and the surface of the exposed part tinned, a fitting constructed to fit said pipe at said exposed tinned surface and tinned thereat, the pipe and fitting being sweated together at said tinned faces to produce a soldered and substantially permanent joint thereat, said fitting enameled on one surface thereof so as to be perfectly flush with the correspondingly enameled surface of the pipe.

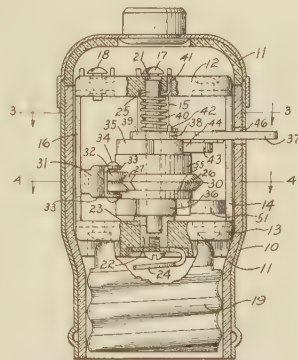
1,463,462. DOFFING AND DONNING MECHANISM. HUGH P. EANES, Martinsville, Va., assignor, by mesne assignments, to William Ward Miller, Martinsville, Va. Filed Mar. 22, 1921. Serial No. 454,448. 9 Claims. (Cl. 118—18.)



1. Doffing and donning mechanism comprising a doffer adapted to engage a full quill preliminary to removal of the full quill from a spindle, a donner adapted to carry

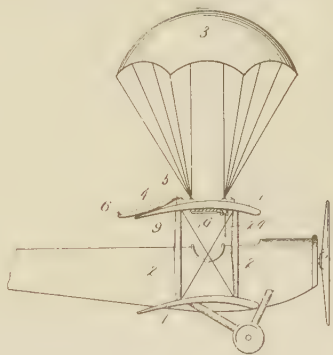
an empty quill for application of the empty quill to such spindle, and cams whereby the doffer is actuated to effect such removal of the full quill and whereby the donner is actuated independently to place the empty quill upon the spindle.

1,463,463. SWITCH MECHANISM. LEWIS L. EVANS, Bridgeport, Conn., and GERALD M. HART, Wilkes-Barre, Pa. Filed May 10, 1920. Serial No. 380,063. 3 Claims. (Cl. 173—346.)



1. In a switch mechanism, a rotatable contact wheel the perimeter of which includes contacts and insulating material separating the contacts, insulating blocks supporting the rotatable contact wheel, upper and lower ratchets carried by the contact wheel, means for actuating the upper ratchet, cooperating means engaging the lower ratchet whereby the proper position of the contact wheel is insured, and a rotatable contact member having rolling connection with the contact wheel and adapted to alternately engage said contacts and insulating material.

1,463,464. SAFETY DEVICE FOR AIRPLANES. THOMAS HUNT FURMAN, Brooklyn, N. Y. Filed July 16, 1918. Serial No. 245,143. 3 Claims. (Cl. 244—21.)

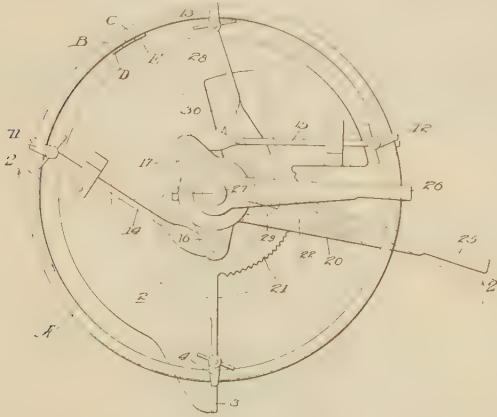


1. The combination of an airplane having an opening in its top, a parachute attached thereto immediately over said opening and a cover for said parachute with means for locking said cover and manual means for releasing said locking means, said locking means comprising slats normally forming a part of the supporting plane of said airplane.

1,463,465. DEMOUNTABLE-RIM STAND. LOUIS J. GENETT, Marquette, Mich., assignor of one-half to John M. Longyear, jr., Marquette, Mich. Filed Apr. 12, 1920. Serial No. 373,182. 1 Claim. (Cl. 157—1.)

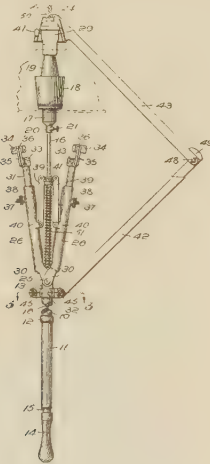
A rim adjusting device comprising a support, rim securing means fixed thereon, an adjusting member rotatably fulcrumed on the support, a pair of links eccentric-

ally pivoted to said member at opposite sides of its axis and terminating in pivotally attached clamps adapted to engage the rim at opposite sides of a separable joint, together with a deforming device fulcrumed on said sup-



port coaxially with the adjusting member and including a pivoted link terminating in a pivotally attached clamp positioned to engage the rim near its separable joint, said link being a rigid member adapted for moving the end portion of the rim inwardly or outwardly.

1,463,466. LAMP-BULB INSTALLING AND REMOVING DEVICE. HAROLD D. GRINNELL, Pittsfield, Mass., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass., a Corporation of Massachusetts. Filed May 22, 1922. Serial No. 562,684. 10 Claims. (Cl. 294—21.)

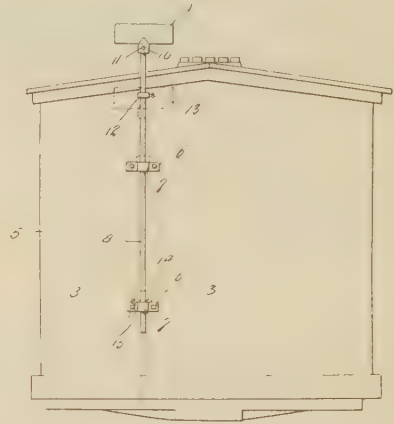


1. In a device of the class described, in combination, a support, means for holding a lamp bulb, means for holding the lamp shade and means for holding the lamp socket, all mounted in cooperative relationship on said support.

1,463,467. FREIGHT-CAR SIGNAL. NED EARL HAYWARD, Holyoke, Mass. Filed Mar. 26, 1923. Serial No. 627,647. 3 Claims. (Cl. 116—30.)

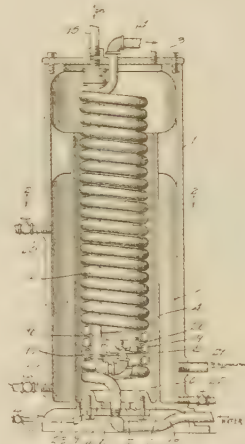
3. In combination with a freight car, a pair of spaced bearing collars upon one end of the car and adjacent one side thereof, a rod freely slidable within said collars, an indicating plate upon the upper end of the rod, an adjustable collar upon said rod between the uppermost bearing collar and said indicating plate, said adjustable collar adapted for support upon the uppermost bearing collar for limiting the downward movement of

the rod within the bearing collars, said rod being formed with an opening at a point adjacent its lower end, and a cross pin adapted for reception within said opening,



and for support upon the lowermost bearing collar for maintaining the rod in a raised position, whereby the indicating plate may be viewed.

1,463,468. CONDENSER. JAY G. HUNTER, Sabula, Iowa. Filed July 6, 1920, Serial No. 394,242. Renewed Jan. 13, 1923. 7 Claims. (Cl. 257—229.)

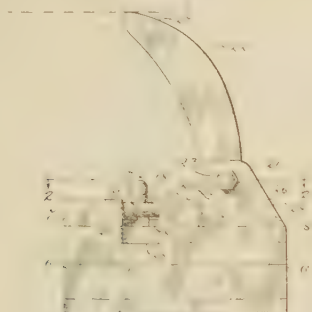


1. In a condenser of the kind described and in combination, a plurality of receptacles providing a plurality of chambers, one constituting substantially a cooling chamber and the other a chamber for the accumulation of condensed gas, means for conducting gas to be condensed into the cooling chamber, means for preventing the discharge of gas through said conducting means from said cooling chamber and means for conducting a cooling medium through the cooling chamber.

1,463,469. CHAIN-MAKING APPARATUS. JOSEPH JOHNSON, Lebanon, Pa. Filed Oct. 29, 1921. Serial No. 511,438. 6 Claims. (Cl. 59—22.)

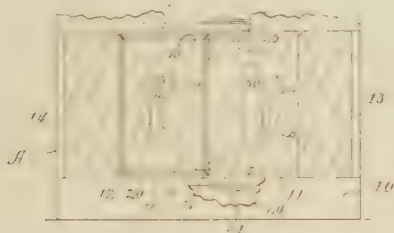
1. Link stud inserting apparatus including a base; a movable and a fixed die block mounted on said base, and arranged for inserting a chain link therebetween; means slidably mounted on said base and having means

for engaging said movable die block; curved means for supporting a stud inserted in said link; and a lever pivoted on said base and swingable to move said slidable means



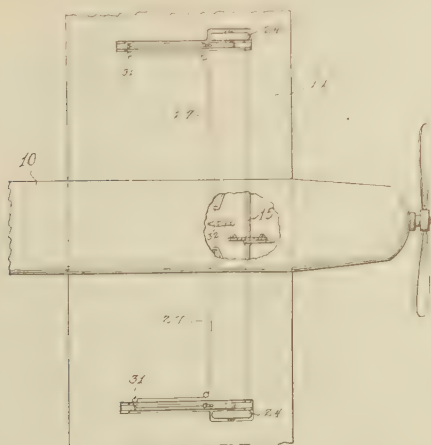
and with it the movable die block to force the sides of said link into locking engagement with the ends of said stud; substantially as described.

1,463,470. DISPLAY DEVICE. ROSS H. JOHNSON, St. Paul, Minn. Filed Dec. 8, 1919. Serial No. 343,219. 18 Claims. (Cl. 40—34.)



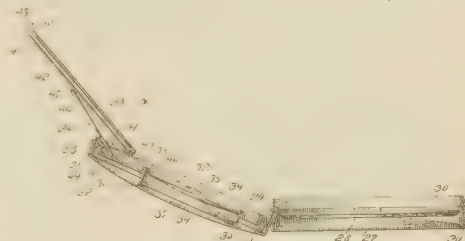
1. A display device, including a display window having two displays and means adapted to carry another display so as to be brought adjacent said display window at each of said displays to make a comparison of said display.

1,463,471. LANDING CARRIAGE FOR AEROPLANES. GEORGE W. KADEL, Dallas, Tex. Filed Oct. 6, 1921. Serial No. 505,115. 2 Claims. (Cl. 244—2.)



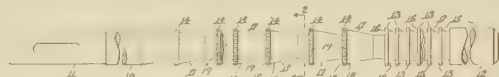
1. In an aeroplane, the combination of a fuselage, wings extending from the fuselage, wings extending from the fuselage and each having a recess in its underside, a pair of struts hinged in each wing recess, a ground wheel carried by one of the struts, a sliding shoe co-acting with each pair of struts, and a spring latch engaged by the shoe for locking the struts in landing position.

1,463,472. VANITY BOX. NATHAN KASDAN, New York, and DANIEL POLLACK, Brooklyn, N. Y., assignors to Majestic Machine & Tool Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 11, 1923. Serial No. 631,297. 6 Claims. (Cl. 132—83.)



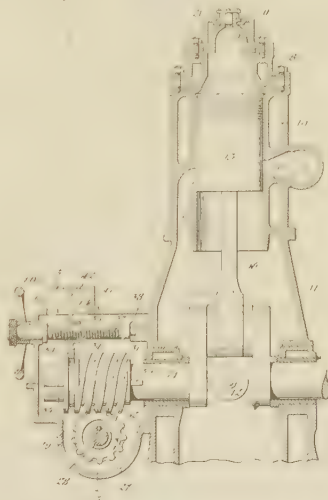
1. A vanity box or case comprising a body portion having a rim and adapted to receive a powder compact and its pad, a cover having a skirt hinged to the rim of said body portion, a disk frame fitted within said cove and having a walled opening adapted to receive a rouge compact and its pad, a mirror and a link hingedly connecting the back of said mirror at a middle portion thereof to the forward portion of said disk frame, said mirror being between said disk frame and the body of the box and adapted when the box is closed, to close the outer ends of the chambers for said compacts, and said link permitting the mirror, when the box is open, to be lifted at its forward edge and drawn upwardly and forwardly to expose the rouge-compact and be given an inclined position against the link at the forward edge of the open cover.

1,463,473. BROACHING TOOL. FRANCIS J. LAPOINTE, Ann Arbor, Mich. Filed Dec. 2, 1921. Serial No. 519,500. 4 Claims. (Cl. 90—33.)



4. A device of the class described having a plurality of cutting members of the same diameter having cylindrical peripheries of different widths and front faces perpendicular to said peripheries.

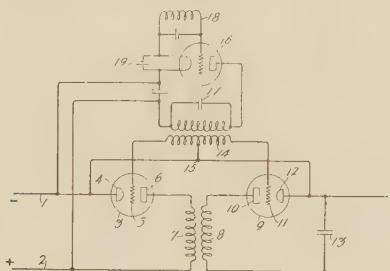
1,463,474. TIMING DEVICE FOR INTERNAL-COMBUSTION ENGINES. ARTHUR A. LAZIER, Buffalo, N. Y. Filed July 19, 1920. Serial No. 397,206. 8 Claims. (Cl. 123—139.)



1. In a timing device for internal combustion engines, the combination of means for injecting fuel into the engine, a crank shaft, a cam shaft carrying a cam for

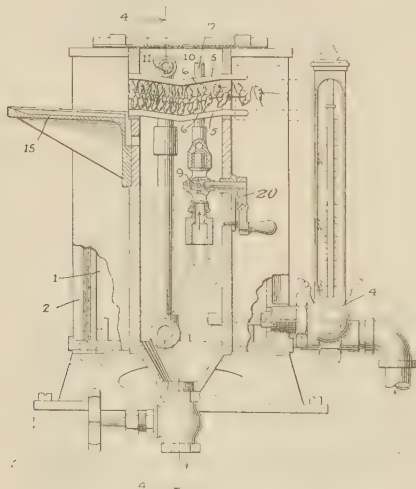
actuating said fuel injection means, transmission members on said shafts, respectively, for imparting motion from the crank shaft to the cam shaft, the transmission member on said crank shaft being slidable lengthwise thereof to rotate said other transmission member and change the angular position of said cam, and means for shifting said slidable transmission member.

1,463,475. THERMIONIC TRANSLATING DEVICE. SIEGMUND LOEWE, Berlin, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1921. Serial No. 453,842. 6 Claims. (Cl. 179—171.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat L., 1313.)



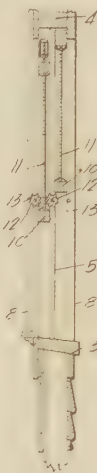
1. In combination, a source of direct current, a variable impedance element in circuit therewith, a second circuit inductively connected to said first-mentioned circuit whereby variations in the current flowing in said first circuit induces electromotive forces in said second circuit, and common means connected to said variable impedance element and to said second circuit for simultaneously controlling the impedances of said two circuits.

1,463,476. COATING DEVICE. CHARLES H. MACDONALD, Montclair, and LEROY L. SALFISBERG, Newark, N. J., assignors to Ivers-Lee Company, Newark, N. J., a Corporation of Delaware. Filed July 8, 1920. Serial No. 394,717. 6 Claims. (Cl. 91—44.)



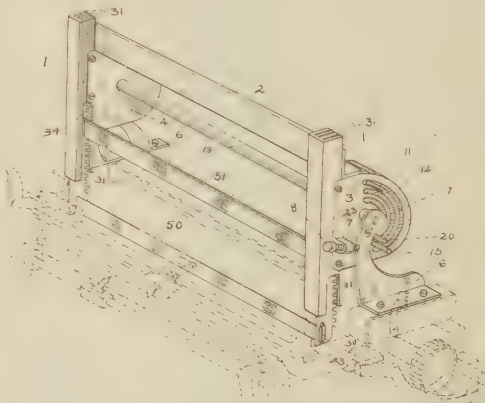
1. A coating device for a strip bent transversely to form portions arranged in zig-zag relation, comprising a container for coating material, means for applying said material to opposed faces of said portions, and means for yieldingly resisting advance of the coated bent strip to effect adhering contact between said opposed coated faces of portions thereof.

1,463,477. WINDOW-POLISHING DEVICE. MARTIN MADSEN, Casimalia, Calif. Filed Oct. 6, 1921. Serial No. 505,784. 4 Claims. (Cl. 15—254.)



1. The combination with a window slidably supported in a casement member, of a cleaning element extending across the pane of said window and having contact with the same, one end of said element adapted to be rotatably journaled in a yieldable bearing support mounted in one side of said casement, the other end of the element having detachable non-rotatable engagement with a rotatable shaft mounted in the opposite side of said casement, mechanism for rotating said shaft, and means for actuating said mechanism from the inner side of said casement member.

1,463,478. MULTICOPY WRITER. ERNEST MAUVAIS, Seattle, Wash., assignor to Multi-Copy Writer Corporation, Ltd., Seattle, Wash., a Corporation of Washington. Filed May 6, 1922. Serial No. 558,958. 2 Claims. (Cl. 192—126.)



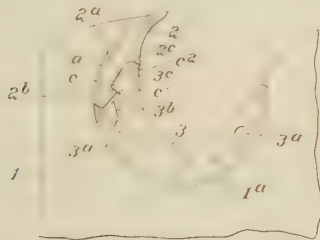
1. A device of the class described, comprising a frame attachable to the carriage of a typewriter, a pair of oppositely disposed racks mounted in the frame and slidable vertically therein, a gear wheel adapted to mesh with each rack, a shaft connecting the gear wheels, a second pair of oppositely disposed racks mounted in the frame and slidable vertically therein, a gear wheel adapted to mesh with each of the second racks, a sleeve mounted on the shaft and connecting the second gear wheels, a typewriter ribbon disposed between the lower ends of each pair of said racks, and means for imparting a rotary movement to said wheels, shaft and sleeve and a vertical movement to said racks, whereby each ribbon may be lowered to the printing point of the typewriter or raised therefrom independently of the other ribbon.

- 1,463,479. DOFFING AND DONNING MECHANISM. WILLIAM W. MILLER, Martinsville, Va. Filed Oct. 29, 1921. Serial No. 511,313. 38 Claims. (Cl. 118-18.)



18. Doffing and donning mechanism having combined with the doffing and donning devices thereof a conveyor which maintains empty bobbins at spaced distances apart, conveys them into position to be taken by the donning devices, receives the doffed bobbins from the doffing devices, and conveys them away.

- 1,463,480. SAW TOOTH. JAMES H. MINER, Meridian, Miss. Filed Nov. 21, 1921. Serial No. 516,647. 3 Claims. (Cl. 143-151.)

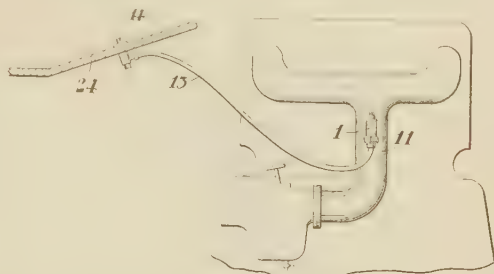


1. An insertable saw tooth for use in saw blades having substantially semi-circular tooth receiving recesses, comprising a tooth portion provided with a recess in its lower edge having a substantially straight wall, said recess terminating in a curved shoulder at its outer end and an abrupt shoulder at its inner end, said tooth having an arc-shaped outer edge to fit the tooth receiving recess which arc-shaped edge terminates in an outer shoulder, and an arc-shaped holder having a projection at its outer end to cooperate with said curved shoulder, and an inwardly facing abrupt shoulder to cooperate with the abrupt shoulder on the tooth, said projection being a rounded shoulder on which the curved shoulder of the tooth may rock and the abrupt shoulders being so shaped that the lower or inner end of the tooth may approach the holder during the preliminary insertion, the outer shoulder of the tooth causing it to rock back when fully inserted.

- 1,463,481. FUEL ECONOMIZER. VAUGHN E. MORRISON, Detroit, Mich., assignor of one-half to Carl F. Beckwith, Detroit, Mich. Filed Feb. 24, 1919. Serial No. 278,690. 2 Claims. (Cl. 277-70.)

1. A fuel economizer for internal combustion engines having an intake conduit comprising a chambered casing having an outlet opening into the air intake, a valve therein, a seat for the valve, a spring for holding the

valve off its seat, a conduit connected with the intake end of the case, and a foot-controlled device for the conduit consisting of a casing attachable to the foot-board of a vehicle, the casing having an aperture there-



through with which the conduit communicates, a plunger having an aperture registrable with the said aperture in the casing, and a spring for projecting the plunger upward to close the conduit.

- 1,463,482. SECURING SHINGLES TO ROOFS. WILLIAM J. MOUNTFORD, Macon, Ga., assignor of one-half to J. D. Bowden, Atlanta, Ga. Filed Dec. 29, 1922. Serial No. 609,773. 2 Claims. (Cl. 108-33.)



2. A shingle securing and spacing means comprising a body portion, shingle engaging means at the opposite ends thereof, and spaced upwardly extending spacing lugs formed on each side of said body, whereby spacing in three directions will be obtained.

- 1,463,483. PROCESS FOR THE MANUFACTURE OF ZINC WHITE. ARMAND NIHOUL, Villeneuve-le-Roi, and CAMILLE CLERC, Paris, France. Filed Nov. 9, 1920. Serial No. 422,857. 2 Claims. (Cl. 134-78.)

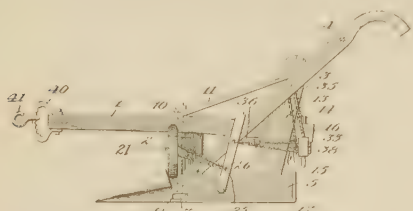
2. In the process of manufacturing zinc white, precipitating the zinc in the state of carbonate, re-dissolving said carbonate in an acid solution, and further precipitating the zinc in the state of sulphide by means of hydrogen sulphide gas.

- 1,463,484. AIR HEATER. BENJAMIN B. OLSEN, Marshalltown, Iowa. Filed Feb. 24, 1921. Serial No. 447,611. 2 Claims. (Cl. 257-241.)



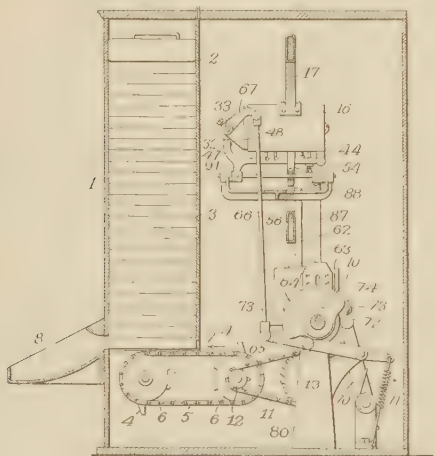
1. An apparatus for the purpose described consisting of a heat chamber of cross sectionally hook shape for supporting engagement with an exhaust manifold and adapted for contact with the wall thereof, said chamber being provided with a reduced air intake port and a valved nozzle in communication with the intake manifold of the engine, said heat chamber having a longitudinally extended transversely arched upper portion and being reduced in area toward its point of communication with said nozzle.

1,463,485. AGRICULTURAL IMPLEMENT. HENRY PETERSON, Hamilton, Mont. Filed Jan. 22, 1921. Serial No. 439,113. 7 Claims. (Cl. 97—109.)



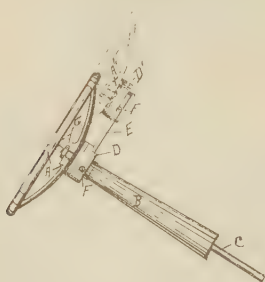
1. An agricultural implement comprising a beam, a runner, standards connecting said runner and beam, a digging member carried by said runner, a plate mounted in front of one of said standards and carried by said runner, a frame connected to said runner and extending upwardly and outwardly therefrom to either side of the aforesaid beam, and connections between the opposite sides of said frame and the corresponding ends of the aforesaid plate.

1,463,486. COIN-VENDING MACHINE. GEORGE C. REITH, Philadelphia, Pa., assignor, by mesne assignments, to National Sales Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 14, 1917. Serial No. 207,036. 3 Claims. (Cl. 194—102.)



1. In a coin vending machine, a merchandise delivering mechanism, means for holding a coin in a stationary position, and means for applying power to actuate said delivery mechanism, the operation of said means being determined by the thickness of the coin while in its stationary position.

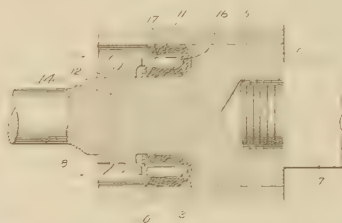
1,463,487. MOUNTING STEERING WHEEL. JAMES N. RICHARDS, WILLIAM H. WESTMAN, and ALFRED D. WESTMAN, Chatham, Canada. Filed Oct. 17, 1921. Serial No. 508,402. 1 Claim. (Cl. 74—33.)



A sliding body having an auxiliary post projecting from its front, a forward projection at its top to engage the arm of a steering wheel, with means to fasten a

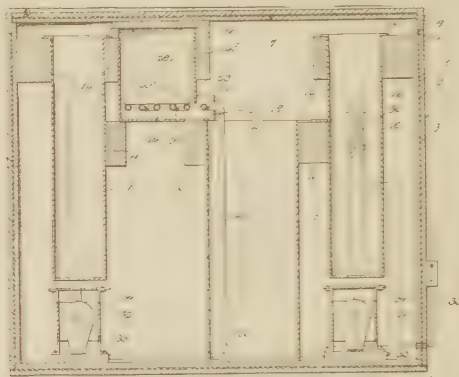
steering wheel thereto, sliding means to secure said body to a slide, said slide being mounted on the steering post of a vehicle, a draw pin and re-acting spring as means to fasten said body to said slide, and means to secure said slide to steering post of a vehicle.

1,463,488. PACKING. CHARLES F. SCHWENKEER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 16, 1921. Serial No. 522,910. 7 Claims. (Cl. 74—109.)



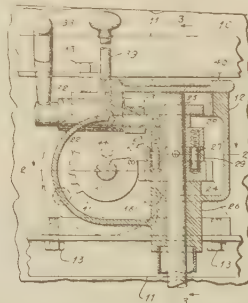
1. A packing comprising a member, U-shaped in cross section and formed from flexible material such as leather, and a plurality of independent, spaced spring clip expanding members U-shaped in cross section located between the sides of the sides of the annular member.

1,463,489. DEVELOPING APPARATUS. LEON W. SHANNON, Hiawatha, Kans. Filed Apr. 18, 1921. Serial No. 462,184. 4 Claims. (Cl. 357—4.)



1. In apparatus for developing photographic plates, a casing, tanks within the casing, one of the tanks having an overflow outlet, a pan arranged in the upper part of the casing and having an overflow discharging into the top of the said tank, a water supply pipe passing through the pan into the tank and discharging at the bottom of the tank, and a coil interposed in said pipe within the pan in spaced relation to the bottom of the pan and adapted to support a cooling medium.

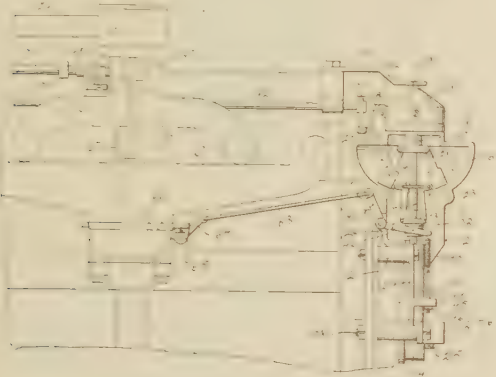
1,463,490. CLUTCH MECHANISM. GEORGE SLIDEE, Baltimore, Md. Filed Nov. 16, 1921. Serial No. 515,496. 7 Claims. (Cl. 192—149.)



7. In a clutch mechanism, the combination with driven, driving and shifting shafts, a casing comprising bearings

for said shafts, a fixed gear on said driven shaft and a loose gear on said driving shaft, means operated by said shifting shaft for engaging said loose gear with said driving shaft and a pin for engaging said driven shaft to stop same, said shifting shaft engaging said pin to prevent its movement when said loose gear is engaged with said driving shaft.

1,463,491. COMBINED GOVERNOR AND COMMUTATOR SUPPORT FOR MOTOR VEHICLES. GENTRY L. TALLMAN and ALVA A. JONES, Shelbyville, Ill. Filed Dec. 29, 1919. Serial No. 348,233. 6 Claims. (Cl. 123—108.)



3. The combination with a tractor having an internal combustion engine, and a throttle valve controlling fuel supply thereto, of an upright governor shaft driven from a running part of the engine, a centrifugal governor carried by said shaft, a lever subject to said governor, a spring acting directly upon one side of said lever, a casing enclosing the shaft and said governor, and an operating rod connected to said throttle valve and provided with a connection to said spring pressed lever whereby said throttle valve will be automatically operated from the governor.

1,463,492. COMBINED MANURE LOADER AND SPREADER. HIRAM H. VARLAND, Des Moines, Iowa. Filed Nov. 15, 1920. Serial No. 424,258. 2 Claims. (Cl. 275—1.)



1. In a machine for handling manure, a bed frame supported for travel, a box mounted at a point intermediate its length upon the bed frame for bodily tilting movement independently of the bed frame whereby one of its ends may be brought to a lowered position, a conveyor within the box, a shaft mounted adjacent to the tilting point of the box, a drive shaft upon the bed frame, operative connection between the drive shaft and the first-mentioned shaft, and gear connection between the said first-mentioned shaft and the conveyor.

1,463,493. EGG BEATER. AUGUSTUS F. ANDERSON, Bangor, Me. Filed Apr. 10, 1922. Serial No. 551,116. 4 Claims. (Cl. 259—131.)

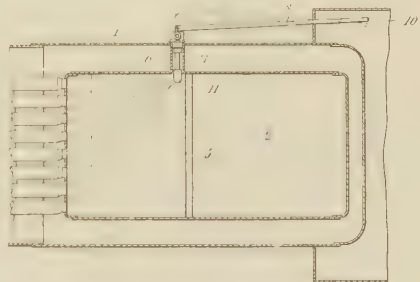
1. In an egg beater, the combination with a head, beater blades revolvably mounted thereon and provided with pinions; of a grip, a socket of rectangular cross sec-

tion being formed in said head for detachably connecting it with said grip, a gear wheel pivoted on the grip adapted to mesh with said pinions, and a lever on said gear



wheel, said grip being formed of a flat metallic band, the outer end of which is bent together until its flat sides contact and is secured by a rivet to form a looped handle.

1,463,494. STEAM CLEANSING DEVICE FOR LOCOMOTIVE BOILERS OR THE LIKE. JOHAN BORE and ALBERT SKOGLUND, Gottenberg, Sweden, assignors to Carl Axel Arvid Westerberg, Stockholm, Sweden. Filed Jan. 20, 1919. Serial No. 272,076. 8 Claims. (Cl. 122—391.)

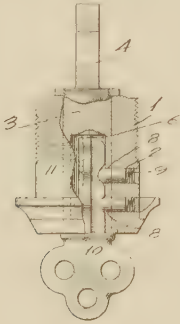


1. A locomotive boiler, having a cab at its rear end, a furnace having a side wall, a set of boiler tubes extending lengthwise from the furnace, a tubular nipple extended through the wall with its axis extending across the axes of the tubes and a steam discharge pipe slidably and rotatably arranged within the nipple, said pipe having a nozzle, and means operable from the cab for turning the nozzle and sliding it transversely of the axis of the tubes for directing the steam into all of said tubes from said nozzle.

1,463,495. BARREL FOR LOCKS. ALBERT BORELLI, San Francisco, Calif. Filed Mar. 16, 1921. Serial No. 452,836. 4 Claims. (Cl. 70—47.)

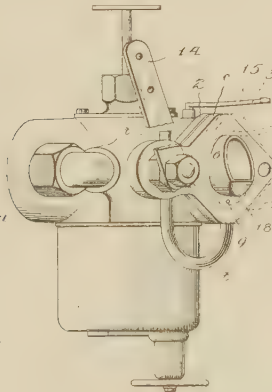
2. A barrel for locks comprising an outer barrel having rows of apertures arranged in several planes radial to the axis of said barrel; an inner rotating barrel having a plurality of identical radial slots, certain of which are provided with apertures registering with the apertures in the outer barrel; locking pins mounted within the

registering apertures; and a key having one less leg than the number of slots, each leg being shaped to actuate



certain of the locking pins only whereby said inner barrel may be rotated only when the several legs of said key are in their respective slots.

1,463,496. REATOMIZER ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. JOHN D. BRIDGERS, Florence, S. C. Filed Feb. 13, 1922. Serial No. 536,212. 5 Claims. (Cl. 48—180.)



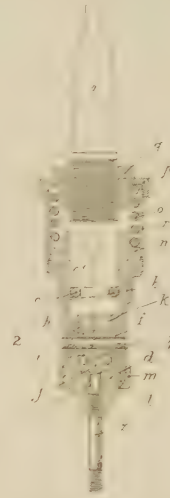
1. The combination with the carburetor and intake manifold of an internal combustion engine, of a reatomizing device therebetween, said device forming, with the manifold, a well for the collection of liquid fuel and having an auxiliary air duct leading downwardly from a point outside the passageway through said members and thence upwardly into said passageway and communicating with said well.

5. A device for the purposes set forth comprising a plate adapted to be clamped between the carburetor and intake manifold of an internal combustion engine and having an opening adapted to form a part of the passageway through said members, a tubular member fitting in said opening and projecting beyond the face of the plate and an auxiliary air duct extending through the wall of the tubular member, barriers in said latter member at the front and rear of said duct, said tubular member having a drain opening, and said plate having an orifice below said latter member extending from the face of the plate to said duct.

1,463,497. APPARATUS FOR THE INSERTION OF SCREW STUDS. ETTORE BUGATTI, Molsheim, France. Filed Aug. 25, 1921. Serial No. 495,296. 4 Claims. (Cl. 10—135.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

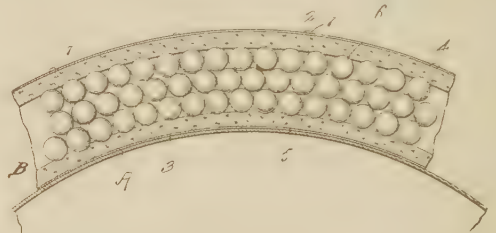
1. An apparatus for the insertion of screw studs comprising a shaft, a sleeve surrounding the same, an elastic coupling device for actuating said sleeve, a socket wherein the screw stud is disposed, elastic means connecting the

socket and sleeve under normal resistance, automatic means provided for the rotation of said socket with re-



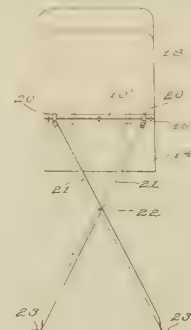
spect to said sleeve when the resistance exceeds the normal, and for the tight insertion of the screw stud into the piece of work at the end of the stroke.

1,463,498. ARMOR FOR GASOLINE TANKS OF AEROPLANES AND FOR OTHER PURPOSES. NORMAN W. BURGESS, Lexington, Va. Filed Sept. 24, 1918. Serial No. 255,518. 5 Claims. (Cl. 114—13.)



1. A projectile-resisting armor comprising a thin outer armor plate and a series of relatively large balls free to rotate and deflect such projectiles as may pass through the outer plate and an inner wall cooperating with the outer armor plate to hold the balls in place.

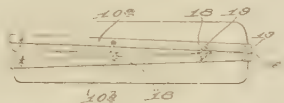
1,463,499. HAMMOCK. HARRY E. BURROUGHS, Boston, Mass., assignor to Louis Beckwith, Everett, Mass. Filed Jan. 26, 1921, Serial No. 440,090. Renewed Jan. 21, 1922. Serial No. 530,997. 2 Claims. (Cl. 5—127.)



2. Apparatus of the kind described comprising a hammock frame composed of two metallic U-shaped frame members with their ends in abutting relation and connected for folding, a flexible hammock body freely suspended from said frame, the outer portions of said frame members being substantially straight, and leg bar supports arranged in crossed relation in pairs at the ends of

said frame presenting at their upper extremities sockets frictionally and adjustably engaged with the frame ends for the purpose stated.

- 1,463,500. HAMMOCK. HARRY E. BURROUGHS, Boston, Mass., assignor to Louis Beekwith, Everett, Mass. Filed Jan. 26, 1921, Serial No. 440,092. Renewed Jan. 18, 1923. Serial No. 530,998. 1 Claim. (Cl. 5—1.)



The combination with an infants' hammock composed of a metallic frame foldable midway of its length and formed of two U-shaped bars pivoted for swinging with respect to each other and a flexible hammock body depending therefrom with a mattress fitted therein, of a flexible case conforming in length to the length of said frame when folded and adapted to receive said hammock body and frame with the mattress therein to constitute therewith a seat as set forth.

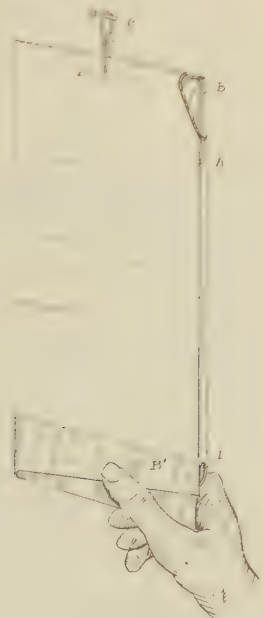
- 1,463,501. PISTON AND CYLINDER FITTING COM-
POUND. CHARLES C. BUTTENFIELD, Pittsburgh, Pa.
Filed Sept. 19, 1921. Serial No. 501,836. 3 Claims.
(Cl. 51—280.)

1. A piston and cylinder fitting compound composed of aluminum, lead carbonate, and graphite, substantially as set forth.

- 1,463,502. PISTON AND CYLINDER FITTING COM-
POUND. CHARLES C. BUTTENFIELD, Pittsburgh, Pa.
Filed Nov. 22, 1921. Serial No. 517,075. 2 Claims.
(Cl. 51—280.)

1. A piston-and-cylinder fitting compound composed of about three-fourths of silica graded to 5% of forty mesh, 5% of sixty mesh, 15% of eighty mesh, 50% of one hundred mesh, and 25% of two hundred mesh, and about one-fourth of lead carbonate.

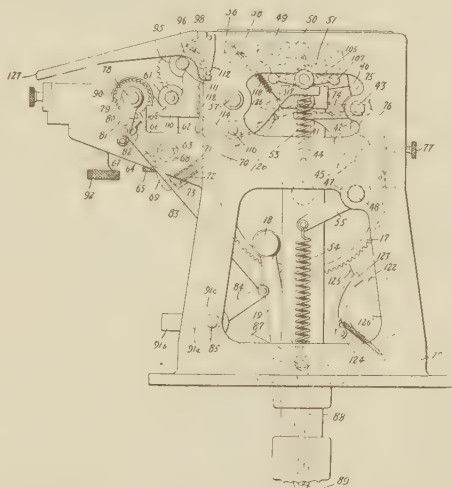
- 1,463,503. DISPENSING PACKET FOR WAXED PA-
PER. WILLIAM B. COLLINS, Ben Avon Borough, Pa.
Filed Nov. 20, 1922. Serial No. 602,114. 3 Claims.
(Cl. 206—57.)



1. In a dispensing packet of sheets, the combination of an envelope with an opening at one end, a pile of sheets,

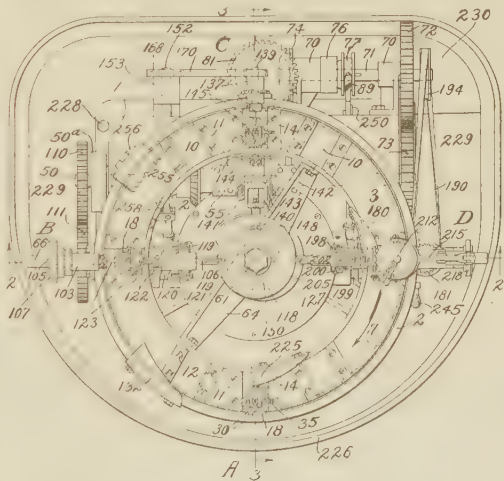
said pile folded transversely and inserted into said envelope with free edges of the pile adjacent the closed end of the envelope, and a suspension loop for the packet extending through holes in the closed end of the envelope and through the corresponding portion of the sheets.

- 1,463,504. PRINTING MACHINE. WALTER D. FRANK and FRANCIS M. CASE, Cleveland, Ohio, assignors to General Electric Company, a Corporation of New York. Filed Oct. 4, 1920. Serial No. 414,460. 4 Claims. (Cl. 101—35.)



1. A machine for printing thin glass articles, comprising a holder for receiving the article to be printed, said holder having an aperture therein through which the surface of the said article is exposed, a resilient stamp and a support therefor mounted in alignment with said aperture, and means continuously operated independently of said holder for reciprocating said stamp to and from said article through the said aperture.

- 1,463,505. LATHE. NATHAN F. FRETTER, Cleveland,
Ohio. Filed Feb. 10, 1919. Serial No. 275,992. 30
Claims. (Cl. 29—38.)



1. In a machine of the character set forth, the combination of opposed tool carriers, means for supporting a piece of work between and in operative relation to tools supported by said carriers, and further means for advancing the work into contact with one tool while moving the other tool into engagement with the work.

15. In a machine of the character set forth, the combination of a turret, work holders rotatably supported by the

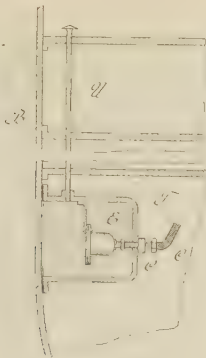
turret, each work holder involving a driving member, a lock for securing each work holder against rotation, a tool carrier, a tool adapted to be supported in various positions by the carrier and into operative relation with which the successive work holders are adapted to be brought, a weight impelling the tool carrier toward the work, means for retracting the tool carrier against the action of the weight, a driving member with which the driving members of the work holders are adapted to cooperate when the work is in operative relation to the tool, means for unlocking the work holder, and mechanism for rotating the second mentioned driving member when the work is presented to the tool.

25. In a machine of the character set forth, the combination of an annular turret, opposed tools situated at stations about the course of the turret, work holders supported by the turret for movement radially thereof, means for moving the turret intermittently to present the work holders to the successive stations, means for driving the tools, that of certain of the tools being of variable speed, an actuating member situated centrally of the turret, and means for driving the actuating member, said member acting to move the inner tools outwardly into contact with the work and for shifting the work holders outwardly to present the work to the outer tools.

1,463,506. MATERIAL FOR FRICTIONAL AND WEARING PURPOSES. HERBERT FROOD, Chapel-en-le-Frith, England, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Filed Mar. 21, 1923. Serial No. 626,641. 1 Claim. (Cl. 91—68.)

The process of manufacturing a friction fabric which consists in forcing a composition consisting of substantially two parts of dammar gum, substantially one part of rubber, substantially two parts of a drying oil, and substantially five parts of a solvent into a fabric by frictioning the composition into said fabric.

1,463,507. DEVICE FOR INCREASING THE SOUND ENERGY WITH SUBMARINE SOUND TRANSMITTERS. WALTER HAHNEMANN, Kitzberg, near Kiel, Prussia, Germany, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Werk Ravensberg, Germany. Filed Aug. 25, 1921. Serial No. 495,233. 7 Claims. (Cl. 181—0.5.)

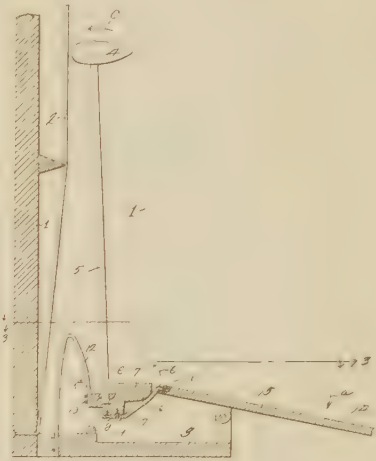


1. In combination with an arrangement for producing sound under water, means for maintaining an artificial special static excess pressure in the liquid space nearest to the point where the sound is produced, whereby the sound energy is increased.

1,463,508. PROCESS OF RECOVERING SOLUBLE COMPOUNDS OF POTASSIUM AND ALUMINUM FROM SILICATES. BIRGER FJELD HALVORSEN, Christiania, Norway. Filed Mar. 26, 1921. Serial No. 455,823. 6 Claims. (Cl. 23—22.)

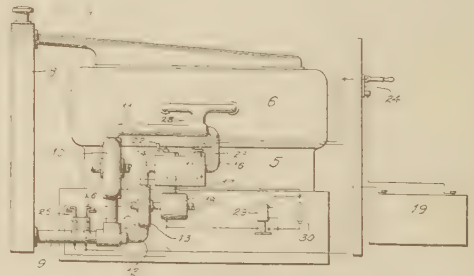
1. The process which consists in heating a mixture of alkali-metal aluminum silicates and cyanamide of calcium in the presence of water.

1,463,509. FOOT-OPERATED MUSICAL INSTRUMENT. FREDERICK T. INGERSOLL, Omaha, Nebr. Filed Nov. 15, 1921. Serial No. 515,218. 1 Claim. (Cl. 84—173.)



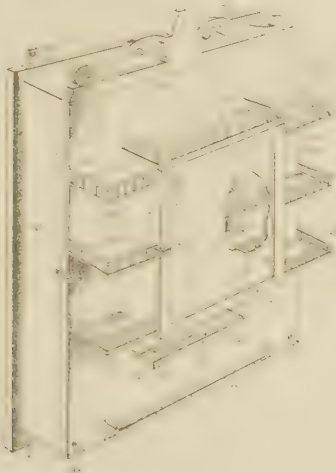
A foot operated key mechanism for sounding the vertically disposed string carried by a sounding board and a base, said key mechanism comprising a counterweight, said counterweight being pivotally mounted on an upwardly extending pivoted U-shaped member, a U-shaped spring upwardly bowed and having one of its vertically disposed arms anchored to the inner face of the counterweight adjacent the pivotal point thereof and its other arm anchored to the base below the pivotal point, a staff extending upwardly from the counterweight, a hammer carried by the upper end of said staff, a pivoted foot actuated lever disposed forwardly of the counterweight and pivoted at a point spaced from its ends, the inner end of said pivoted foot actuated lever terminating in substantially the same horizontal plane as the pivotal point of the counterweight, a flexible connection with the under side of the counterweight and the inner end of the foot lever, said flexible connection engaging the outer end of the counterweight intermediate the ends of the flexible connection.

1,463,510. TEMPERATURE REGULATOR FOR COOLING SYSTEMS OF INTERNAL-COMBUSTION ENGINES. LOUIS W. JONES, Baltimore, Md. Filed Mar. 21, 1923. Serial No. 626,716. 6 Claims. (Cl. 123—174.)



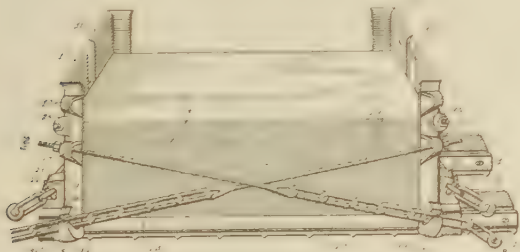
1. In the cooling system for the water of an internal combustion engine, the combination of an electric motor driven pump for circulating said water, a heater provided with heating coils for heating said water, a source of electrical energy, electric circuits including said motor, coils and source, a thermostat for closing the circuit through said motor when the temperature of said water reaches a predetermined limit, a second thermostat adapted to close the circuit through said coils when the temperature of said cooling system reaches a second predetermined limit lower than said first named limit, and rheostats in said motor and heater circuits.

1,463,511. CABINET. JOHN JOSEPH LANE, Baltimore, Md. Filed Sept. 19, 1921. Serial No. 501,640. 1 Claim. (Cl. 45—51.)



In a cabinet, the combination of a sheet metal box having side walls, top and bottom walls, and a back wall, the box being open at the forward side thereof, an overlying casing fitting the side, top and bottom walls of the box, a door normally closing the box at its open side, a skeleton frame secured against the rear edges of the casing reinforcing the casing and rigidly locking the walls thereof in fixed relative position to prevent cramping of the box by the casing, and means upon said frame for suspending the box having its back wall spaced by the frame away from the surface against which the box is hung, the frame functioning when the cabinet is suspended, to uniformly distribute weight upon the frame to the casing to prevent stressing of the box.

1,463,512. CRATE. WILLIAM W. LEACH, Mansfield, Ohio. Filed Apr. 20, 1921. Serial No. 462,787. 25 Claims. (Cl. 208—60.)

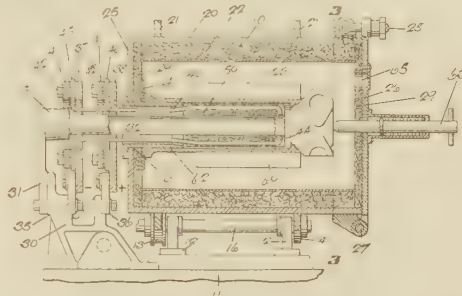


1. In a crate, separate supporting members, standards having corners provided thereon rigidly secured to the supporting members, standards having corners provided thereon slidably mounted on the supporting members, and means to adjust the movable standards lengthwise on the supporting members.

1,463,513. ELECTRIC FURNACE. CHARLES L. LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 13, 1921. Serial No. 460,924. 7 Claims. (Cl. 204—64.)

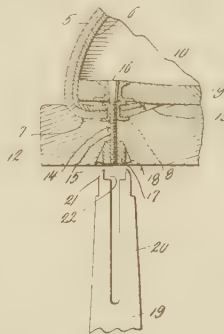
5. A rotatable electric furnace adapted to supply heat to a cylinder of an internal-combustion engine during the process of attaching cooling elements thereto and having a heat insulated casing for the cylinder assembly

comprising means for locating the cylinder assembly within the furnace; a plurality of electric resistors;



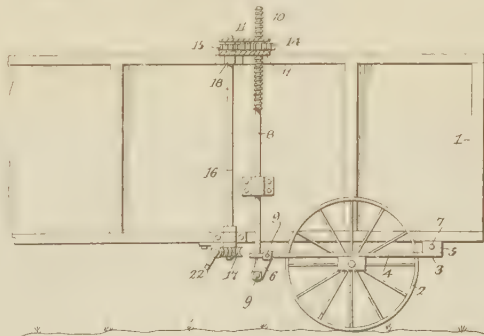
a holder for the resistors; means for locating the holder within the cylinder; and means for connecting the resistors to a source of electric current.

1,463,514. DETACHABLE SHOE SOLE AND HEEL. GUSTAV LILIENFELDT, New York, N. Y. Filed Feb. 3, 1921. Serial No. 442,090. 1 Claim. (Cl. 36—15.)



In a shoe, the combination with an upper and inner sole each having its marginal edge equipped with a plurality of metallic eyelets, each eyelet having its ends clamped to lap over both surfaces of the member in which is fastened, an outer sole having openings therein to align with the eyelets in the inner sole and upper, the marginal edge of the upper being disposed between the inner and outer soles whereby the metallic eyelets of the upper about the eyelets of the inner sole, and removable fastening elements extending through the aligned eyelets and openings, and means associated with the fasteners for drawing the metallic eyelets together to cause their flanges to be pressed more firmly into engagement with the inner sole and upper.

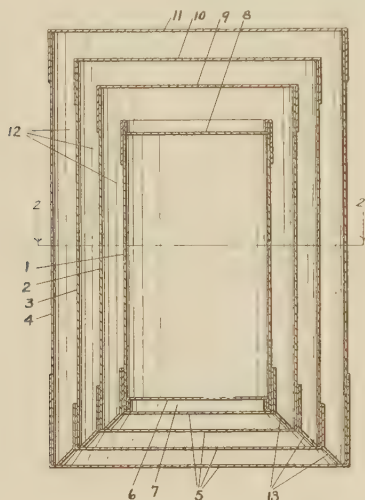
1,463,515. LEVELING DEVICE. JOHN E. LONG, Edgerton, Ohio. Filed July 5, 1921. Serial No. 482,393. 3 Claims. (Cl. 280—6.)



1. In combination, a vehicle body, a pair of wheel frames pivotally attached thereto, a wheel in each frame, a link attached to each frame, a rod attached to the

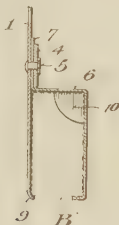
link and provided with a worm, a cog wheel having a centrally located threaded aperture in engagement with the worm, a pinion in engagement with the cog wheel, means for rotating the pinion.

1,463,516. RECEPTACLE OR PACKAGE. IRVINE McCOLL, Grand Rapids, Mich. Filed Aug. 28, 1922. Serial No. 584,800. 6 Claims. (Cl. 229—14.)



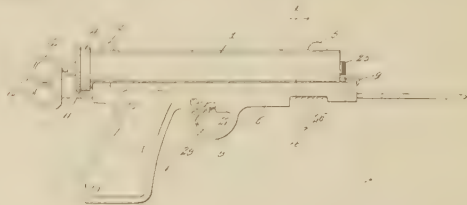
1. A package comprising a plurality of receptacles disposed one within another, the inner receptacle being adapted to receive the material to be packaged and having a double walled bottom providing a bottom air chamber, the enclosed receptacles being provided with conical flange-like bases constituting supporting and spacing members removably supporting the receptacles one within another with their walls in spaced relation, said receptacles being provided with independent covers.

1,463,517. MATCH-BOX ATTACHMENT. ALBERT G. MACKAY, Washington, D. C., assignor to The Automatic Company, a Corporation of Delaware. Filed May 29, 1922. Serial No. 564,378. 9 Claims. (Cl. 206—31.)



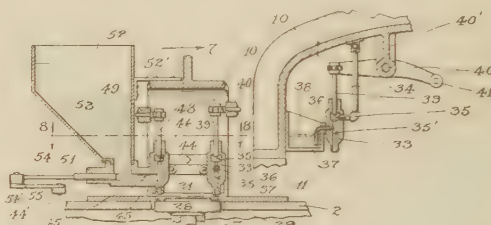
1. In combination with a support having a flanged side and end edge, and attaching means for the support including an arm, a match box holder including a body of substantially U-shape having a lateral wing extending from its inner side and interposed between the arm and the support, fastening means for the arm extending through the wing to secure both the arm and wing to the support, the body being disposed to have its outer side substantially aligned with the flanged side edge of the support to cause the box to be engaged by said flanged side edge of the support and to cause the outer end of the slide to be engaged by the flanged end edge of the support, and a stop on the inner end of the body to engage the box and slide.

1,463,518. GASOLINE GUN. EMORY M. THOMAS, Buckner, Mo. Filed Oct. 21, 1922. Serial No. 596,004. 3 Claims. (Cl. 42—1.)



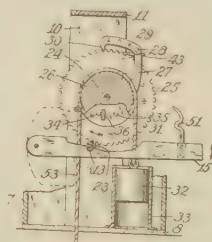
1. In a device of the class described, a combustible fluid chamber, a spring pressed plunger therein adapted for expelling the fluid from the chamber, and means operable by the action of the plunger for igniting the fluid as it is expelled from the cylinder.

1,463,519. METHOD OF AND APPARATUS FOR GASKET LINING CAN ENDS. IVAN D. THORNBURGH, Berkeley, Calif., assignor to American Can Company, San Francisco, Calif., a Corporation of New Jersey. Filed Apr. 24, 1919. Serial No. 292,416. 17 Claims. (Cl. 113—80.)



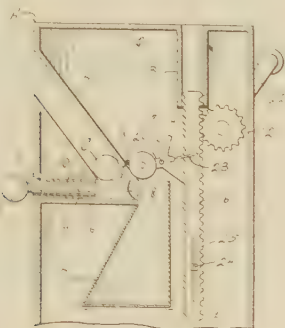
1. The method of building up a gasket liner relative to a flanged can end for use in the hermetic sealing of containers for food products, which comprises applying an innocuous sizing liquid to the surface of the flange of the can end to be lined, thence covering the said sized surface with a powdered fiber lining material, rotating the can end on its axis during the applying of the liquid and then during the applying of said powdered material, and finally subjecting the can end so lined to the application of heat for the drying of the sizing liquid to leave deposited on the flange of the said end a built-up gasket liner.

1,463,520. RAILWAY-CROSSING GATE. JAMES B. VANDIVIER, Franklin, and GEORGE R. HUNT, Terre Haute, Ind. Filed Oct. 28, 1921. Serial No. 511,160. 6 Claims. (Cl. 39—60.)



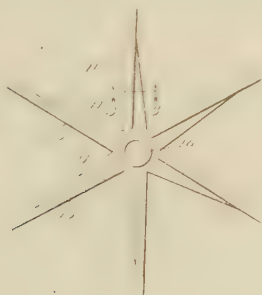
1. A railway crossing gate including a gate arm pivotally supported to freely move to and rest in horizontal position, a toothed wheel and a pulley arranged together to independently turn on one and the same axis, a dog pivotally mounted on the pulley to engage and move the toothed wheel in one direction, means for gearing the toothed wheel with the gate arm, a weight element connected with the pulley to turn it in one direction, means connected with the pulley to turn it in the opposite direction, and means for automatically controlling pivotal movement of the dog.

- 1,463,521. CHECK-CONTROLLED MECHANISM. HARRY M. WALKER, Grayburg, Tex. Filed Aug. 6, 1921. Serial No. 490,238. 5 Claims. (Cl. 194-60.)



1. In combination with a member supported for movement in opposite directions, a dog pivotally supported adjacent to said member and provided with two arms, one of said arms engaging the member to hold the same against movement in one direction when the second arm is free of the member, the second arm engaging the member to hold the same against movement in the opposite direction when the first named arm is free of the member, check controlled means for swinging the dog in one direction, a spring arm carried by the dog and extending toward the member, an element carried by the member and contacting with the arm of the dog upon movement of the member in one direction for swinging the dog in one direction, and means for moving the member.

- 1,463,522. SPIDER FOR COTTON CLEANERS. FRENCH B. WILLIAMS, Lufkin, Tex. Filed Aug. 23, 1922. Serial No. 583,893. 1 Claim. (Cl. 19-97.)

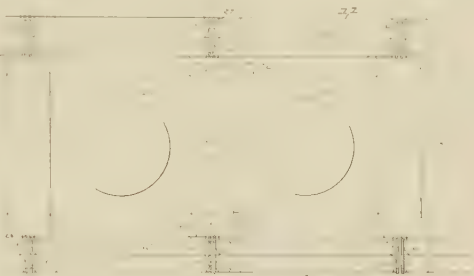


A spider of the character described comprising a hub, webs radiating from the hub and disposed at an angle thereto, and with relation to each other, an arm supported by one edge of said web, with the latter merging into the arm adjacent the outer end thereof, the corresponding inner extremities of said arms terminating in spaced relation to the hub and supported at the point of juncture between the adjacent webs.

- 1,463,523. LIGHTNING PROTECTION APPARATUS FOR OIL TANKS. KINCHEN A. WYATT, Dallas, Tex. Filed May 24, 1921. Serial No. 472,296. 4 Claims. (Cl. 175-30.)

1. Means for the protection of oil tanks against lightning consisting in combination with a battery of tanks, of high tension lines disposed on opposite sides of the battery, transverse conductors interconnecting corre-

sponding sides of the high tension lines between individual tanks and at the ends of the battery, grounding



conductors, and lightning arresters interposed between the grounded conductors and both sides of the high tension line.

- 1,463,524. HEADLIGHT. WILLIAM F. DORAN, Philadelphia, Pa. Filed July 29, 1921. Serial No. 488,335. 3 Claims. (Cl. 240-41.)



1. As an article of manufacture, a rim adapted to replace the ordinary rim of a headlight, a smaller rim formed integral therewith, and means associated with and carried entirely by said smaller rim for forming therewith a complete unitary supplemental headlight lamp.

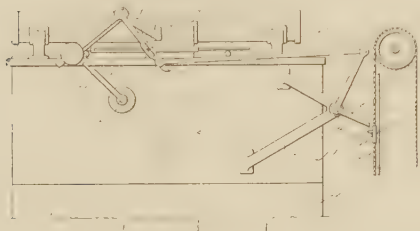
- 1,463,525. HEADLIGHT. WILLIAM F. DORAN, Philadelphia, Pa. Filed Feb. 21, 1922. Serial No. 538,316. 6 Claims. (Cl. 240-41.)



1. As an article of manufacture, a rim adapted to replace the ordinary rim of a headlight, a small head-

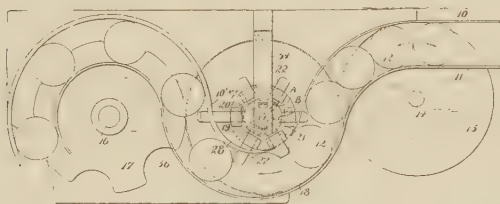
light casing formed integral with said rim and arranged outside it with its walls merging into the rim, end walls for said casing, and a lens in one of said end walls.

1,463,526. MECHANICAL COOKER. CHARLES H. FULSON, Trenton, Tenn., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Filed Feb. 25, 1921. Serial No. 447,738. 5 Claims. (Cl. 87—6.)



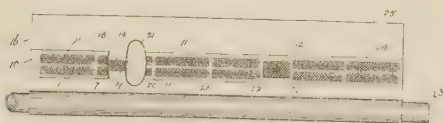
1. In a cooker, a kettle, means of supplying material to said kettle, means to control the supply of said material in said kettle, means of actuating said controlling means at predetermined intervals, means for permitting the controlling means to close when the meal has reached a predetermined height in said kettle, and positive means for effecting the closure of said controlling means independent of the actuating means, whereby a cooker may be filled with material.

1,463,527. CAN FEEDING AND TIMING DEVICE. HENRY L. GUENTHER, Los Angeles, Calif. Filed July 25, 1922. Serial No. 577,333. 15 Claims. (Cl. 198—22.)



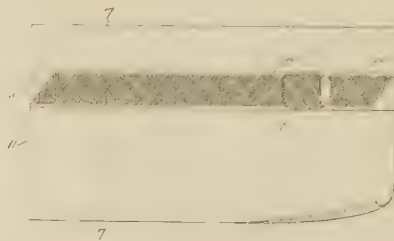
1. The combination of two can carrying devices which respectively transport cans at a slow speed and at a faster speed, and an intermediate can timing and feeding device for transferring the cans from the slower carrier to the faster carrier, said feeding devices having yieldably cushioning means at the limit of their inward movement for spacing the cans and movable outwardly beyond the cushioning means for thereafter positively feeding the cans at a uniform speed of acceleration.

1,463,528. DEVICE FOR AND METHOD OF THE MANUFACTURE OF PROTECTED INNER TUBES FOR TIRES. ALBERT ENNIS HENDERSON, Toronto, Ontario, Canada. Filed Dec. 26, 1916. Serial No. 139,007. 11 Claims. (Cl. 154—5.)



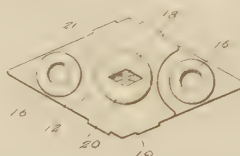
1. A device of the character described, comprising a template adapted to be laid upon a sheet of rubber, slots being provided in the template for the insertion of fabric to contact the surface of the rubber, and means for forming the rubber and fabric into a tube.

1,463,529. DEVICE FOR THE MANUFACTURE OF PNEUMATIC TUBES. ALBERT ENNIS HENDERSON, Toronto, Ontario, Canada. Filed Jan. 27, 1917. Serial No. 144,910. 2 Claims. (Cl. 154—5.)



1. A device of the character described comprising a template provided with diagonal slots adapted to position fabric strips in oppositely disposed formation within the body of the tube.

1,463,530. SPARK INTENSIFIER. ARTHUR A. HUTCHISON, Harrisburg, Pa. Filed Dec. 31, 1921. Serial No. 526,275. 2 Claims. (Cl. 175—183.)



1. A spark intensifier comprising a substantially diamond shaped body formed of superimposed layers of insulating material and comprising a base plate, plates positioned upon the base plate and having centrally arranged registering openings therein to provide a sparking chamber, substantially triangular shaped conductor plates positioned between the insulating plates, spurs extending from one edge of each of the conductor plates and projecting into the sparking chamber to provide a spark gap, combined assembling and terminal eyelets extending through the insulating plates and conductor plates and a transparent cover for the sparking chamber.

1,463,531. SHOE ORNAMENT. GEORGE COLVIN KENNEDY, Waterloo, Iowa. Filed May 9, 1921. Serial No. 468,188. 4 Claims. (Cl. 41—10.)



2. An ornamental device, comprising ornamental objects mounted on opposite sides of a shoe, and a flexible strip crossing the shoe vamp with its ends releasably attached to said objects.

1,463,532. AUTOMATIC AIR VALVE FOR INTERNAL-COMBUSTION ENGINES. WILLIAM F. KRICHBAUM, Irvington, N. J. Filed Dec. 18, 1919. Serial No. 345,857. 3 Claims. (Cl. 123—124.)

1. In a device of the character described, the combination of a casing adapted to be attached to an internal combustion engine and having a valve chamber therein

opening through one end thereof, said valve chamber being adapted to communicate with the atmosphere and said engine, a valve reciprocable in said chamber and controlling communication therethrough, said valve pro-



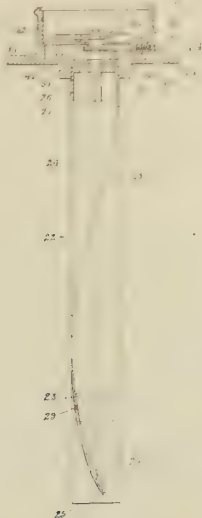
jecting from the open end of said chamber, and a vane pivoted upon the exterior of said casing and connected to said projecting end of the valve, said vane being actuated by air currents to reciprocate said valve.

1,463,533. GOLF CLUB. CHRISTIAN A. KURZ, Jr., Dayton, Ohio. Filed July 2, 1919. Serial No. 308,095. 9 Claims. (Cl. 46—4.)



1. A wooden golf club head and an insert of phenolic condensation material molded in situ in the striking face of the club head.

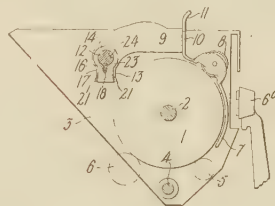
1,463,534. FLUID-REGISTERING MECHANISM. CHARLES F. MACGILL, Cambridge, Mass. Filed Aug. 16, 1921. Serial No. 492,819. 1 Claim. (Cl. 235—94.)



In a registering and indicating device for liquids, the combination with a liquid container, of a float-controlled rotary shaft extending into said container, a stationary

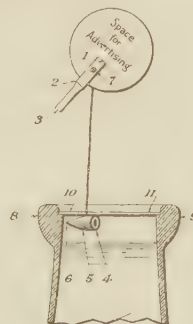
dial above said container, an index hand carried by said shaft and movable over said dial to indicate the amount of liquid in the container at all times, a hub loosely surrounding said shaft and provided with a ratchet wheel, a second index hand carried by said hub and also movable over said dial, a spiral spring connected with said hub, a spring-pressed stop to hold said ratchet wheel and said second index hand stationary to indicate the amount of liquid in the container before a filling operation and while said first-named index hand is moved to indicate the amount of liquid supplied to said container at a filling operation, said spring, when said stop is released, served to move said second index hand to a position coinciding with the position of said first-named index hand, and means whereby said first-named index hand will move said second index hand with it against the stress of said spiral spring as liquid is withdrawn from said container.

1,463,535. TYPEWRITING MACHINE. EDWIN A. PETERSON, Madison, Wis., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 20, 1922. Serial No. 562,274. 6 Claims. (Cl. 197—139.)



1. In a typewriting machine, in combination, a rod fixed upon and extending transversely of the machine, a paper-engaging device mounted to be swung upon the rod to or from effective position, and also slidable along the rod for adjusting said device to different positions transversely of the machine, said rod being cut away longitudinally thereof to provide a holding-portion, and a spring-pressed detent carried by said device to be pressed against said holding-portion of the rod for yieldingly holding said device at its effective position, said rod also being cut away longitudinally thereof to provide a relief-portion to receive said spring-pressed detent for relieving the pressure of said detent against the rod when said device is swung to ineffective position, so that said device may slide freely along the rod to different positions of adjustment transversely of the machine.

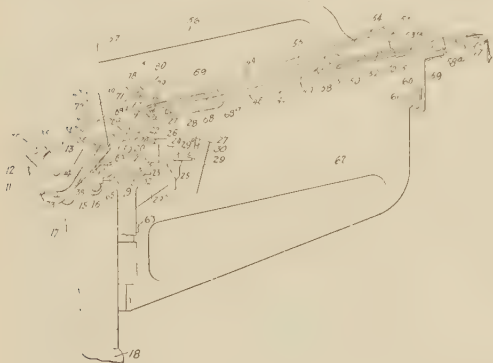
1,463,536. NONSPASH BOTTLE OPENER. JOSEPH ODILON REMILLARD, Montreal, Quebec, Canada, assignor of one-third to Alphonsus Gorman and one-third to John Alexander Hugh Cameron, both of Montreal, Canada. Filed June 14, 1922. Serial No. 568,344. 2 Claims. (Cl. 65—47.)



1. In a bottle disk remover, the combination of a pointed cap-like member having an open end, an aperture at the base of the opening, a handle comprising a pin

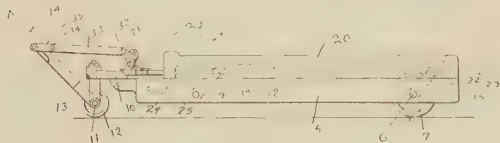
adapted to seat in the cap opening and a finger hold attached to said pin, a flexible waterproof cord passing through the apertures at the base of the cap opening and connecting said cap with said pin member, all substantially as set forth.

1,463,537. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 5, 1921. Serial No. 489,990. 27 Claims. (Cl. 199—126.)



1. In combination, a typewriter-frame, a platen, a platen-carriage mounted to travel on said frame, said carriage comprising a platen-lifting frame, a carbon-carrier, a web-table or carbon-carrier-track having, for the purpose specified, its forward end elevated above the platen, and being inclined forwardly and downwardly to enable webs extending through said carbon-carrier and between the elevated platen and the web-table to be straightened sufficiently to permit retraction by the carbon-carrier of carbon-sheets attached thereto, means to support the rear end of the track to permit its front end to be swung upwardly and rearwardly, comprising a rail and rail-supporting brackets secured to the typewriter-frame at its back, and means on the carriage on which the forward end of the track rests when the carbon-carrier-track is in lowered position.

1,463,538. LIFTING TRUCK. JOSEPH G. TANGAU, Holyoke, Mass. Filed May 24, 1920. Serial No. 383,880. 3 Claims. (Cl. 254—10.)



1. A lifting truck comprising a wheeled body, a crank arm pivoted to the rear end of said body, a crank arm pivoted to the forward end of said body, an operating rod pivotally connected with said crank arms and holding said crank arms in parallel relation to each other, a draft pole pivoted on said body, a link having sliding connection with said draft pole and operating connection with said operating rod, and a platform supported by said crank arms and shiftable vertically on said body when said crank arms are shifted.

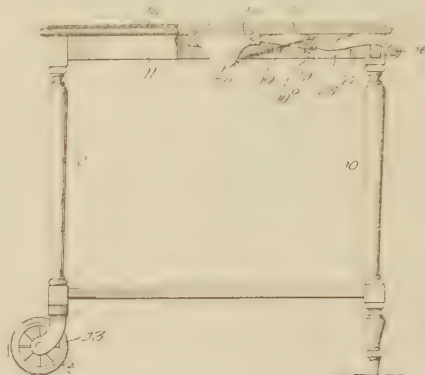
1,463,539. PHARMACEUTICAL PREPARATION. CHARLES G. WOLFE, Mount Vernon, Ohio. Filed Mar. 8, 1922. Serial No. 542,111. 4 Claims. (Cl. 167—10.)

1. A pharmaceutical preparation for treating the disease of fowls known as enterohepatitis consisting of calomel and rhubarb in approximately equal proportions, together with a small percentage of charcoal.

4. A pharmaceutical preparation for treating the disease of fowls known as enterohepatitis consisting of ap-

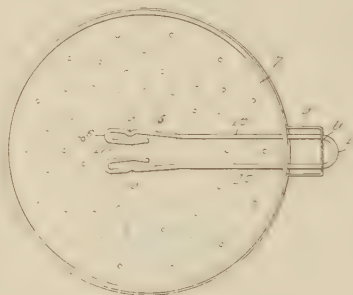
proximately equal proportions of powdered calomel and rhubarb mixed with powdered charcoal, in the proportions of about one part of charcoal to ten parts of each of the other two ingredients.

1,463,540. TEA TABLE. LORETO ALONZI, Chicago, Ill. Filed Jan. 8, 1923. Serial No. 611,245. 5 Claims. (Cl. 45—17.)



2. In a table, the combination with the legs, apertured frame and top of a disappearing handle adapted for sliding movement in a horizontal plane comprising a pull and side pieces projecting through the apertures in said frame, guide pieces secured to the inside surface of said frames, and a spring for retracting said parts.

1,463,541. HANDLE FOR TOASTERS AND THE LIKE. CHARLES ANDREWS, Jr., Rockford, Ill., assignor, by mesne assignments, to The Washburn Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 10, 1921. Serial No. 499,685. 6 Claims. (Cl. 53—5.)



1. The combination of an article having an inner and an outer wall, a handle formed of a single piece of wire bent upon itself providing spaced handle members, said inner and outer walls having registering holes for the reception of said handle members whereby the handle may be slid lengthwise in said holes to and from an inner and an outer position, the inner ends of said side members being diverged inwardly and each having a notch in its outer side, said diverging ends adapted to bear against the holes in the inner wall with increasing pressure when the handle is moved to its outer position and said notches adapted to engage in connection with the inner wall for holding the handle in said outer position.

1,463,542. METHOD AND APPARATUS FOR FINISHING LEATHER. ARNOLD A. ANGELL, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 510,010. 20 Claims. (Cl. 91—41.)

1. A combined apparatus for coating leather completely, comprising mechanical coating means, a conveyor arranged to take an article from said coating means and

carry it in horizontal position past an operator, where the coating can be perfected manually, and means for partially drying the article while still in horizontal position.

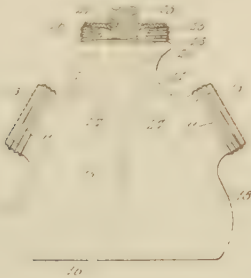
6. The method of coating leather, which comprises, in combination, applying a coating mechanically, laying the material flat so that the coating will not run, and drying the material while it remains in flat horizontal position.

12. In a leather finishing machine, in combination, coat-



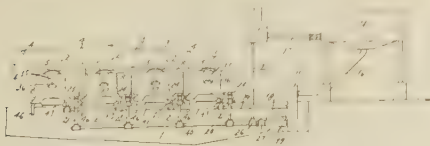
ing means, an endless conveyor comprising a flat web arranged to receive an article from said coating means, means for blowing hot air on the article on the conveyor to dry it, said blowing means overlying the delivery end of said conveyor only, the remainder of said conveyor being open to permit manual operation on the article and a flat support for said web for supporting said remainder to permit hand swabbing of the articles before they reach the blowing means.

1,463,543. CONDIMENT HOLDER. GUSTAV A. BAEDER, Chicago, Ill. Filed July 31, 1922. Serial No. 578,701. 1 Claim. (Cl. 65-45.)



A device of the character described comprising a body portion having a pair of separate chambers therein, threaded inclined nipples communicating therewith, perforated shaker caps threaded on said nipples, a threaded tubular member projecting upwardly from said body portion, a perforated article gripping member of elastic material mounted thereon, and a flanged ring secured to said tubular member for clamping said elastic member against the end of said tubular member.

1,463,544. CYLINDER PAPER-MAKING MACHINE. GEORGE L. BIDWELL, Riegelsville, Pa. Filed June 23, 1922. Serial No. 570,490. 32 Claims. (Cl. 92-43.)

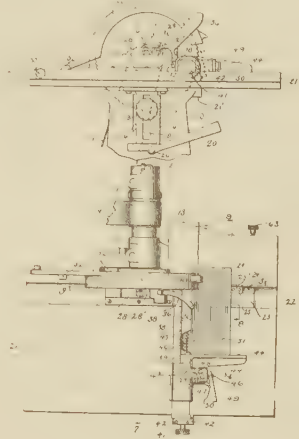


1. In a cylinder paper-making machine, mechanical means to produce a forced feed from the flow box to the vat, and gravity-return means from said vat to said box.

12. In a cylinder paper-making machine, a flow box, a

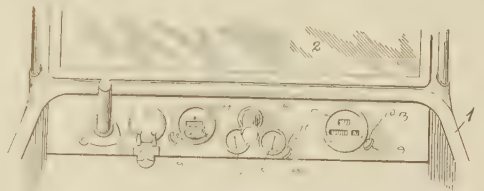
cylinder mold, and means to discharge by gravity the suction water from the inside of said mold into said flow box, the latter being located below the level of the discharge.

1,463,545. CUTTING MECHANISM. EDWARD CHESHIRE, Berlin Township, Waukesha County, Wis. Filed Jan. 21, 1921. Serial No. 438,813. 48 Claims. (Cl. 29-69.)



1. In a device of the class described, clamping means for retaining in place material to be treated, said clamping means including relatively movable members having interlocking portions, wedge means for forcing said interlocking portions into operative association, and means for moving said interlocking members out of operative association when released by said wedge means.

1,463,546. LIGHT REFLECTOR. CLIFFORD M. COLE, Los Angeles, Calif. Filed Sept. 28, 1920. Serial No. 413,420. 2 Claims. (Cl. 240-2.)

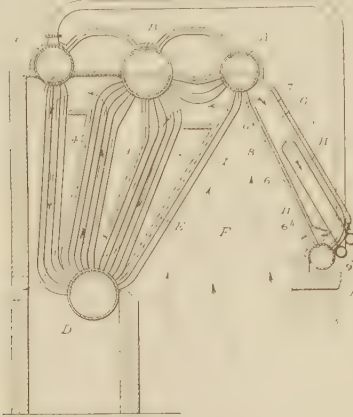


1. A construction wherein one or more indicators are mounted upon the cowl board of a motor vehicle outside the normal field of illumination of a source of illumination, likewise mounted upon the cowl board, characterized by a miniature reflector adjustably mounted upon the cowl board in position to intercept rays of light from the source of illumination and redirect them onto one of said indicators, and a universal mounting for the reflector by which it may be adjusted to illuminate the face of a desired indicator without causing glare objectionable to an observer within the vehicle.

1,463,547. STEAM SUPERHEATER. ALFRED COTTON, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed June 6, 1921. Serial No. 475,333. 16 Claims. (Cl. 122-478.)

3. A water tube boiler provided with an upright superheater chamber arranged so that gases from the combustion chamber of the boiler will enter the upper end of same, circulate downwardly through said superheater chamber and then return to the combustion chamber, a

superheater in said superheater chamber, and water tubes in said superheater chamber that form part of the heating surface of the boiler and which cause the gases that enter



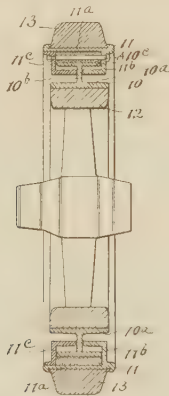
said chamber to rapidly cool, contract and become of much greater density than the hot gases of the combustion chamber.

1,463,548. METALLIC DENTURE BACKING. ROBERT M. CRAIG, Wilksburg, Pa. Filed June 27, 1919. Serial No. 307,104. 5 Claims. (Cl. 32-9.)



1. A metallic denture backing comprising a single piece of pressed sheet metal of uniform thickness in parallel planes but of greater thickness at its opposite edges than intermediate thereof, and having a bendable locking flange intermediate of said edges.

1,463,549. WHEEL RIM. EDWARD DETTELBEACH, Cleveland, Ohio. Filed Oct. 15, 1920. Serial No. 417,195. 6 Claims. (Cl. 152-36.)

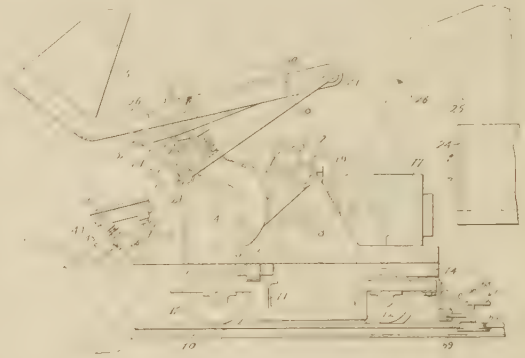


2. A rim for a vehicle wheel composed of inner and outer members, the inner member adapted to be fitted onto a wheel and having a web and a flanged outer portion, said outer member forming an enclosure composed of outer, side and inner portions which receive the flanged outer portion of the inner member, and cushioning means upon the outer side of the flanged outer portion of the inner member and enclosed by said outer member.

1,463,550. LOADING MACHINE. ROBERT P. GREENLEAF, Cleveland, Ohio, assignor to Frank Billings. Filed Jan. 17, 1917. Serial No. 142,789. 9 Claims. (Cl. 214-132.)

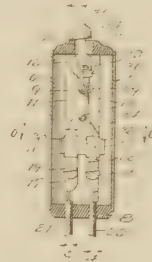
1. In a loading machine, a frame, a shovel, and means for causing the shovel to be positively and substantially

continuously moved through a fixed cycle of predetermined filling and dumping movements including a filling movement at the front of the frame and a movement of trans-



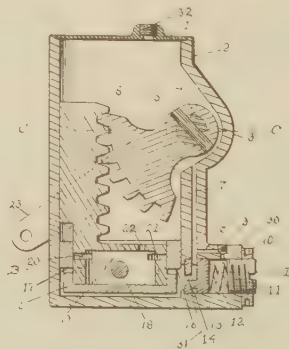
lation back toward and over the machine to discharge the material at the rear of the machine and a return movement to the front of the machine for the start of the next succeeding cycle.

1,463,551. SWITCH. VIRGIL S. HARDEY, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 549,217. 10 Claims. (Cl. 200-67.)



1. In a switch for inching a meter, switch mechanism, a projecting finger piece shaped and positioned to be grasped between the thumb and forefinger of the hand and actuated thereby to operate said switch mechanism, and a casing enclosing the switch mechanism to extend through and be gripped in the palm of the hand with said finger piece grasped between the thumb and forefinger.

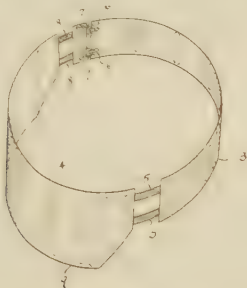
1,463,552. SHOCK ABSORBER. WILLIS E. HARMON, Worcester, Mass. Filed Dec. 27, 1921. Serial No. 525,041. 7 Claims. (Cl. 188-88.)



1. A shock absorber comprising; a fluid holding cylinder, means including an inner cylinder with a hollow piston therein adapted to transmit motion thereto from an external source and allow the fluid to flow freely through the inner cylinder when it is moved in one direction and retard fluid passing when moved in the opposite direc-

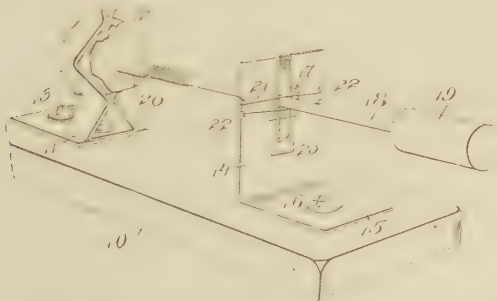
tion and means automatically acted upon prolonged fluid pressure to restrict the equalization of fluid pressure on both sides of the inner cylinder in proportion to said fluid pressure.

1,463,553. BELT. LURA A. LASATER, Houston, Tex. Filed Feb. 13, 1922. Serial No. 536,197. 1 Claim. (Cl. 2-142.)



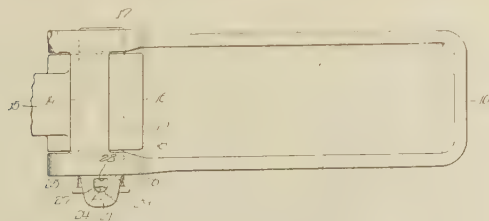
A belt for skirts and the like including a comparatively narrow front section, and a rear section, said sections being secured together permanently at one end, interengaging means carried by the other end of said sections for releasably securing the belt around the body of the wearer, an elastic section belt on each side, said rear section being widened downwardly from end to end forming a supporting wing, which extends entirely around the back of the wearer and flared outwardly at its lower edge and forms a rear support for the skirt.

1,463,554. MOUNTING FOR STEMS OF CRYSTAL DETECTORS. ALEXANDER N. PIERMAN, Newark, N. J. Filed Feb. 4, 1922. Serial No. 534,180. 5 Claims. (Cl. 250-31.)



1. A mounting for stems of crystal detectors comprising a support with an opening therein, and a stem passing through the opening, the support having the opening through which the stem passes provided with substantially flat means for frictionally engaging the stem to hold it in various angular positions and also allow the rotation thereof.

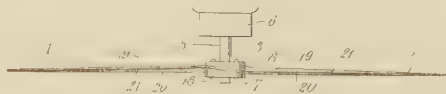
1,463,555. YOKE-KEY SUPPORT. EDWARD POSSON, Chicago, Ill. Filed May 13, 1922. Serial No. 560,534. 3 Claims. (Cl. 23-70.)



1. In railway draft mechanism, the combination of a yoke, a coupler, a vertical key for connecting said yoke and coupler, said yoke having projections with laterally ex-

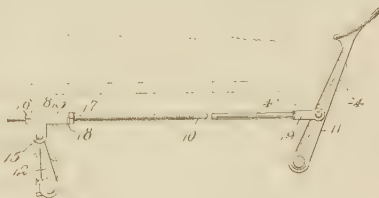
tending pocket portions, and a support for said vertical key releasably retained in said pocket portions, one of said projections having an opening through which said support may be passed into said pocket portions only when an end of said support is in a given angular position with respect to said opening.

1,463,556. AERONAUTICAL PROPELLER. SYLVANUS ALBERT REED, New York, N. Y. Filed May 26, 1920. Serial No. 384,293. 19 Claims. (Cl. 170-151.)



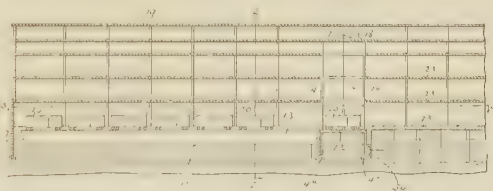
1. An aeronautical propeller having single piece blades constructed of material of such thinness as to require dependence partly but mainly upon the radial tension exerted by centrifugal force to maintain the blades in operative form or shape.

1,463,557. FIXTURE FOR BRAKE RODS. IRVING C. SHUSTER, Newark, N. J. Filed July 29, 1921. Serial No. 488,267. 4 Claims. (Cl. 188-196.)



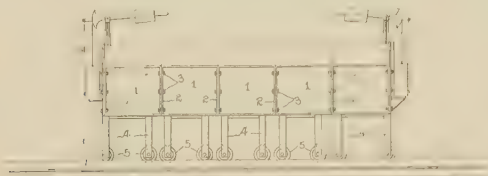
3. A brake rod fixture comprising a clip having an open-ended barrel portion having means thereon for pivotally securing it to a brake lever, said pivot being out of line with the axis of the barrel, a brake rod slidably freely through the barrel, and means for adjustably securing the rod in the barrel.

1,463,558. FREIGHT-TANSFERRING SYSTEM. RICHARD C. SIBLEY, Boston, Mass. Filed Jan. 6, 1921. Serial No. 435,308. 18 Claims. (Cl. 104-29.)



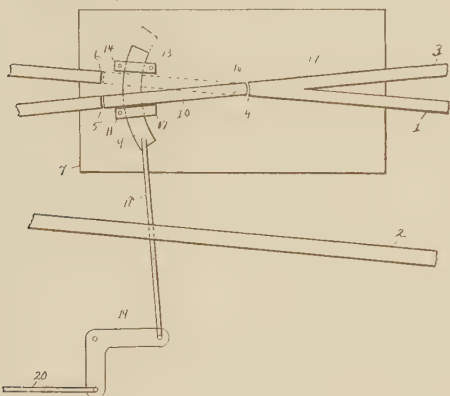
1. In a freight-transferring system, in combination, a water-course, adapted to receive a floating vessel, a freight-receiving area, such as a warehouse floor or a freight yard, elevated above the high-water level in the water-course, and communicating with the latter, a vertical well communicating with the water-course and with the freight-receiving area and extending upwardly from below the low-water level in the water-course, and freight-hoisting means in said well, the arrangement being such that a vessel may be located in the water-course in cooperative relation with said well and hoisting means, to permit the elevation of freight taken from the vessel to the level of said area.

1,463,559. SECTIONAL ELECTRIC FURNACE. EDWIN L. SMALLEY, East Orange, N. J. Filed Aug. 6, 1920. Serial No. 401,718. 3 Claims. (Cl. 204—64.)



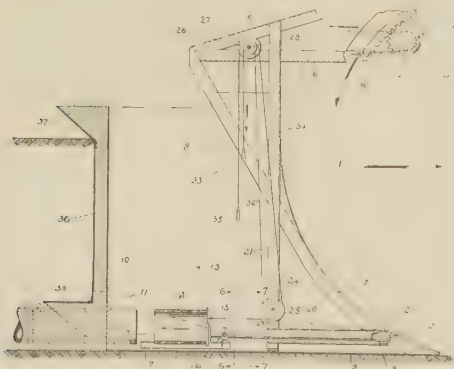
1. In an electrical furnace, in combination, a plurality of longitudinal furnace sections, composed of non-magnetic material, adapted for removable, endwise engagement, to permit variations in the furnace length, a resistor element common to the sections of the furnace, and individual traction means for the sections.

1,463,560. RAIL SWITCH. OWEN P. SMITH, Chicago, Ill. Filed July 5, 1922. Serial No. 572,983. 1 Claim. (Cl. 246—445.)



In a railway switch, the combination of main line and branch line rails, a pivoted section interposed at the junction of the rails and movable into alignment with either the main or branch line rails, a plate beneath tracks supporting the ends of the rails, guides on the plate at opposite sides of the rails, and an arcuate plate secured to the base of the pivoted section and slidable within the guides, the said guides acting as stops to insure proper alignment of the pivoted section with the rails.

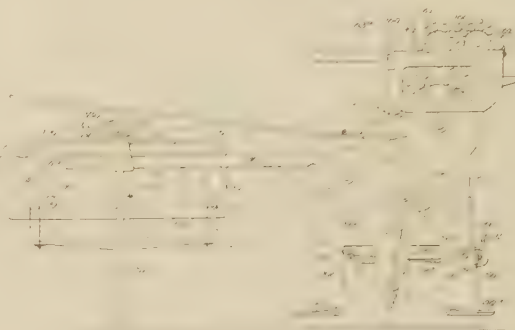
1,463,561. TILE-PLACING ATTACHMENT FOR DITCHING MACHINES. JOHN SOMMER, Peoria, Ill. Filed June 21, 1920. Serial No. 390,471. 19 Claims. (Cl. 111—5.)



1. In a machine of the character described, in combination, power means for digging a ditch, movable means for supporting tile sections, means for utilizing

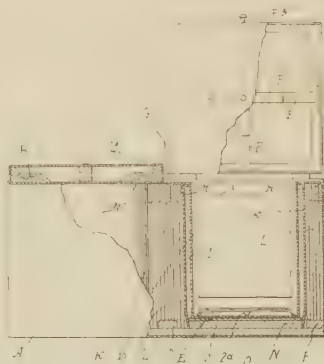
the power of the digging machine to push the tile sections into place, and other means for returning said pushing means to tile receiving position.

1,463,562. OFFSET PRINTING PRESS. BURT D. STEVENS, Evanston, and CARL HENDERSON and WILLIAM SAXON, Oak Park, Ill., assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 4, 1917. Serial No. 166,504. 4 Claims. (Cl. 101—144.)



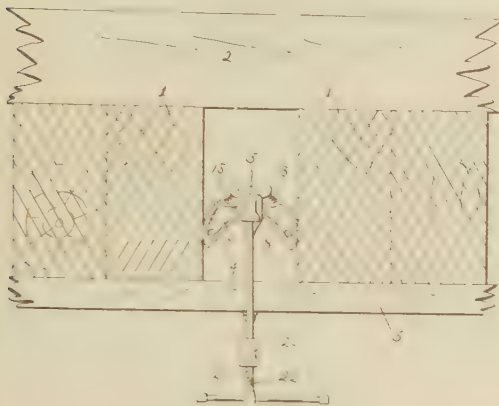
1. In a printing press, in combination, printing means, a normal delivery for the completed work at the feeder end of the press, inking mechanism at the opposite end of the press, and auxiliary delivery means for delivering inspection sheets at that end of the press at which the inking mechanism is located, whereby the operator may have ready access to both the auxiliary inspection sheet delivery means and the inking mechanism.

1,463,563. FIRELESS STOVE. GEORGE A. TAYLOR, Muncie, Ind. Filed Feb. 19, 1920. Serial No. 359,828. 5 Claims. (Cl. 220—9.)



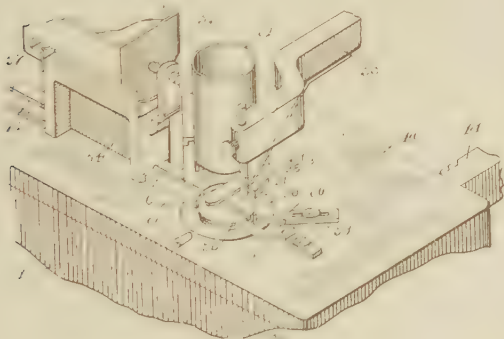
1. A fireless stove, comprising a box-shaped body, a top plate, a tubular sleeve extending upwardly from the bottom plate to the underside of the top plate, a sheet metal disk electrically insulated, to fit in and slightly above the bottom of the said tubular sleeve, a fireproof insulation between the disk and the bottom plate of the body, heat insulating material surrounding the tubular sleeve, packing material stuffed between the insulating material and the body, a cylindrical container inside and of diameter less than that of the tubular sleeve and having its upper rim opening through the said top plate, and a closure plate for the said opening.

1,463,564. CLAMP. JAMES L. TAYLOR, Poughkeepsie, N. Y., assignor to James L. Taylor Manufacturing Co., New York, N. Y., a Corporation of New York. Filed Apr. 1, 1918. Serial No. 226,016. 8 Claims. (Cl. 144—298.)



1. In a clamp of the character described, the combination of a bar having a laterally projecting head apertured transversely of the plane of said bar and head, and an arm pivoted in the aperture of said head and having its swinging limited thereby to positions in which said arm is always operative to engage with a cam action the side wall of a space into which the clamp is thrust and anchor the clamp.

1,463,565. PIN-FORMING AND BUTTON-PINNING MACHINE. JULES G. WEGMAN, Rochester, N. Y. Filed June 16, 1919. Serial No. 304,596. 17 Claims. (Cl. 79—3.)

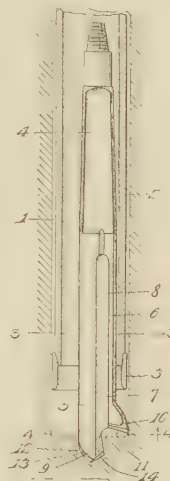


1. In a button pinning machine, the combination of means for feeding buttons, means for feeding pins, means for bending a portion of each pin to conform to the shape of the button and means for bringing the button and pin together and inserting the bent portion of the pin within the button.

1,463,566. UNDERDRILLING BIT. EDWIN J. AKINS, Moundsville, W. Va. Filed Mar. 13, 1922. Serial No. 543,196. 3 Claims. (Cl. 255—73.)

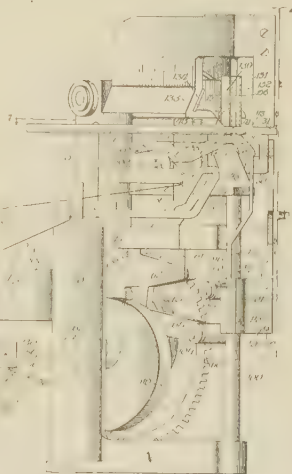
1. An under-drilling tool consisting of a bit having in opposite sides thereof longitudinal channels defining a central web, said web being located intermediate a drill portion which has an approximately cylindrical

form and an irregular shaped opposite edge portion of said bit, said irregular portion having the lower end thereof extended outward and constituting a projecting



horn presenting a downwardly facing shoulder, and said drill portion being prolonged below said horn to form a center-finding pilot.

1,463,567. PASTEBOARD-BOX-MAKING MACHINE. ALBERT A. ARNOLD, Oak Park, Ill. Filed June 11, 1919. Serial No. 303,376. 11 Claims. (Cl. 93—41.)

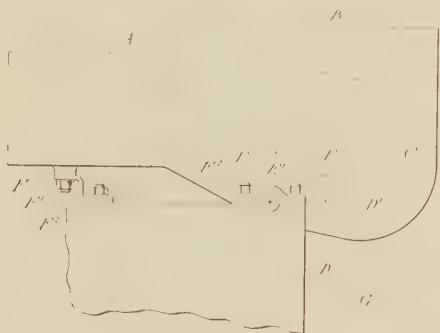


1. In a box-making machine of the character described, the combination of a plurality of corner-forms stationary during the operation of the machine, means to simultaneously apply corner-staying strips to wings of a flat pasteboard box blank while the latter is in register with said forms leaving projecting tabs of such strips, means to simultaneously bend said wings about said forms to constitute the side-walls of the box, and means to simultaneously bend said tabs about the corners of the box and affix them in place, substantially as described.

1,463,568. FLEXIBLE MOTOR SUPPORT. WILLIAM I. BALLENTINE, Laporte, Ind., assignor to Advance-Rumely Company, a Corporation of Indiana. Filed Apr. 12, 1922. Serial No. 552,025. 13 Claims. (Cl. 186—64.)

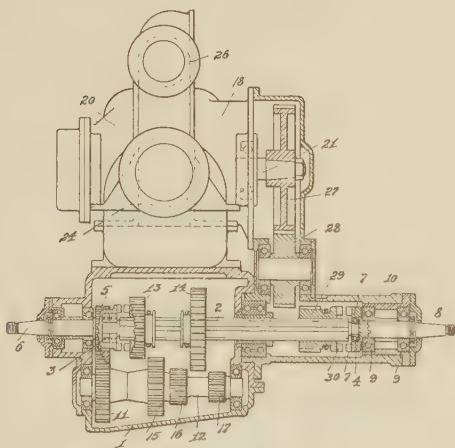
1. In combination a transmission case and an engine supported therefrom and connected thereto by a plurality of connections, one of said connections being piv-

gear, the center of the pivotal support being slightly to one side of a straight line drawn between the centers of the two gears.



gear, the center of the pivotal support being slightly to one side of a straight line drawn between the centers of the two gears.

1,463,569. UNITARY TRANSMISSION AND PUMP FOR MOTOR-DRIVEN FIRE ENGINES. CHARLES E. BATHRICK, South Bend, Ind., assignor to South Bend Motors Company, South Bend, Ind. Filed Dec. 3, 1919. Serial No. 342,233. 4 Claims. (Cl. 169—24.)

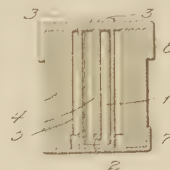


1. In a transmission and pump assembly supported by the side rails of the motor driven vehicle frame, the combination of a transmission casing longitudinally disposed and having a transmission therein, said transmission casing being disposed below the pump casing and rails of the frame and entirely supported by the rails of the frame, said pump casing having upwardly and outwardly extending transversely disposed intake pipes, said intake pipes being disposed on the side rails of the motor driven vehicle and entirely supporting the pump casing and the transmission casing.

1,463,570. STOPPER FOR BOTTLES AND THE LIKE. HERBERT J. BRAGDON, Alton, Ill., assignor to The Chicago Stopper Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 4, 1919. Serial No. 328,407. 25 Claims. (Cl. 215—40.)

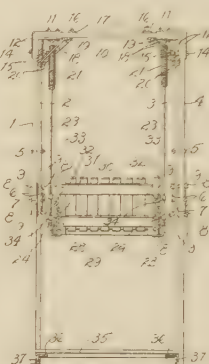
1. As a new article of manufacture, a container-stopper including, in combination, a circumferentially contractible body comprising a strip of material wound upon itself to a normal circumferential dimension, the

outer end of the strip being fixed from unwinding and inner windings of the strip being loose one from the



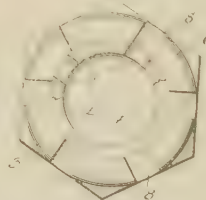
other, and means having connection with the strip for additionally winding the same to contractingly reduce the normal circumferential dimension of the body.

1,463,571. FOLDING SWING. GEORGE W. BRAMB, St. Louis, Mo. Filed Dec. 9, 1922. Serial No. 605,807. 2 Claims. (Cl. 155—58.)



1. The combination of a plurality of folding side supporting-standards which are pivoted together in pairs and sectioned about the center of their length; hinges secured to said sections; steel plates that are removably fastened to the said sections, to prevent the latter from folding when in use; top cross-bars; suitable L-shaped brackets secured to the opposite ends of said top cross-bars; braces having one of their ends pivotally and detachably mounted upon the upper portion of the said top cross-bars, and braces having their upper ends pivotally mounted in common screw-eyes, and having provided at their lower ends hooks adapted to engage common screw-eyes located adjacent the upper ends of said folding side supporting-standards.

1,463,572. BOLT. GEORGE E. CARTER, Circleville, Ohio. Filed Oct. 17, 1919. Serial No. 331,258. 1 Claim. (Cl. 151—5.)



As a new article of manufacture, a bolt including a threaded shank, said shank having its extreme outer end provided with a chamber extending longitudinally into said shank, said chamber being of sufficient size to produce a relatively thin circumferential wall upon the

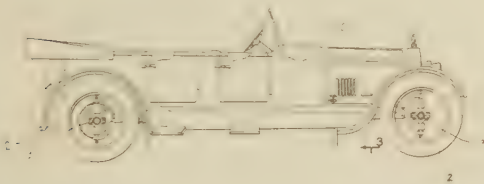
end of the bolt, and said wall having a plurality of radially disposed circumferentially spaced openings formed therein and in registration with each other, the axes of said openings being substantially at right angles to the longitudinal axis of the bolt.

1,463,573. KNIFE. TINT CHAMPLIN, Little Valley, N. Y. Filed June 17, 1922. Serial No. 569,160. 4 Claims. (Cl. 7—11.)



1. A knife having a handle, a magnetized blade pivoted at one end thereof, a magnetized spring bearing against said blade fixed in said handle, and a compass embedded in said handle between said blade and said spring.

1,463,574. VEHICLE SUSPENSION. FREDERICK E. CLEMONS, Indianapolis, Ind. Filed Aug. 19, 1921. Serial No. 493,709. 7 Claims. (Cl. 267—60.)



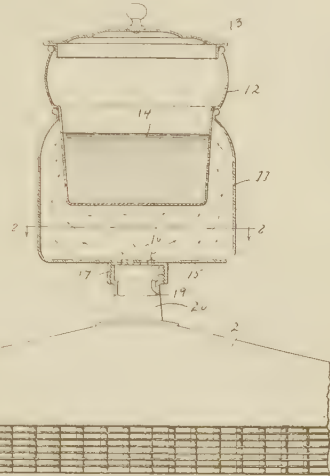
1. In a vehicle, the combination with an axle, and a relatively rigid vehicle framework, of a plurality of radially extending yielding constructions connected to said axle at their inner ends for peripheral cushioning of the axle, and yoke means rigidly secured to said framework and connecting the outer ends of said constructions to said framework.

1,463,575. MOLD AND PROCESS FOR FORMING ARTICLES FROM PULP OR OTHER PLASTIC MATERIAL. SIMON COOPER, Brooklyn, N. Y., assignor to Vacuum Pulp Products Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 22, 1917, Serial No. 187,541. Renewed Dec. 29, 1922. 11 Claims. (Cl. 92—54.)



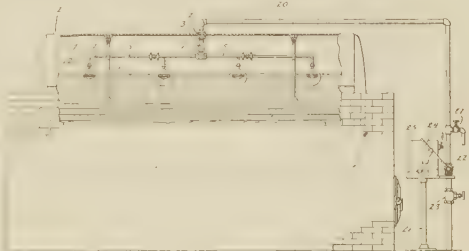
1. The process of forming articles from pulp material which comprises forcing the material into the mouth of a hollow-opened, porous mold while the mold is in an inverted position and then further forcing material into the mold with the mold positioned right side up.

1,463,576. COOKER ATTACHMENT FOR AUTOMOBILE RADIATORS. CHARLES M. DALY, East Elmhurst, N. Y. Filed Sept. 21, 1922. Serial No. 589,602. 5 Claims. (Cl. 126—20.)



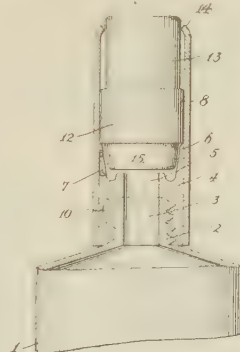
3. In combination an automobile radiator, a filling neck, a vessel having a perforated bottom, a tubular member surrounding the perforations and fastened to the vessel, and means for rigidly fastening the member to the neck.

1,463,577. TIMING MECHANISM FOR BOILER SKIMMERS. FREDRICK EISERMAN, WILLIAM EISERMAN, and HERMAN EISERMAN, Cleveland, Ohio. Filed Sept. 6, 1921. Serial No. 498,943. 8 Claims. (Cl. 161—7.)



1. In a timing mechanism for valves, the combination of an electric motor, a controlling wheel driven thereby and operatively connected to the valve, a clock mechanism controlling the motor circuit, and means automatically actuated by the rotation of the wheel to control the operation of the clock mechanism.

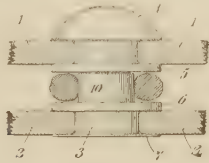
1,463,578. MEASURING DEVICE FOR COLLAPSIBLE TUBES. FRANK L. DYER, Montclair, N. J. Filed Jan. 8, 1921. Serial No. 435,972. 5 Claims. (Cl. 221—60.)



1. A measuring device for attachment to a collapsible tube comprising a tubular body which screws upon the

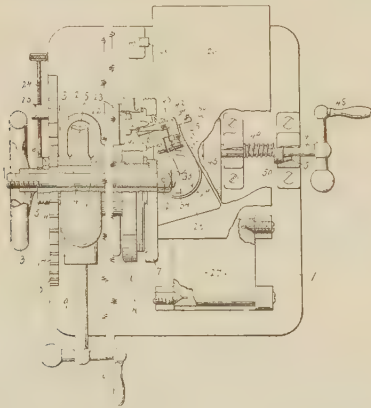
neck of the tube, a tube rotatably mounted on said tubular body and having a discharge opening, and a plunger in the rotatable tube, substantially as set forth.

1,463,579. EASY-LACING DEVICE. LOUIS FUNCK, Bronxville, N. Y. Filed Oct. 20, 1922. Serial No. 595,740. 5 Claims. (Cl. 24-149.)



1. In devices for lacing together adjoining edges of leather or similar material, the combination of additional strips adjacent said edges, eyelets along said edges and strips, short cylindrical bearings in the eyelets, having flanges against the inside of said leather edges and strips, loose collars between said flanges, buttons removably mounted on the outside of the bearings to cover the eyelets, and means to hold the bearings in place.

1,463,580. APPARATUS FOR TESTING THE CONTOURS OF GEAR TEETH. CLARENCE J. HARTER, Syracuse, N. Y. Filed Sept. 20, 1921. Serial No. 501,873. 8 Claims. (Cl. 33-172.)

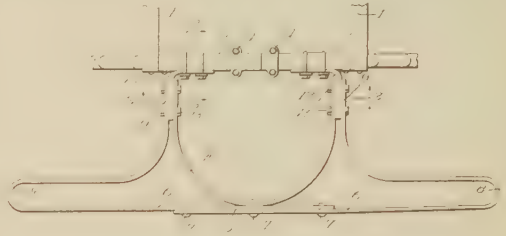


7. In an apparatus for testing the accuracy of form and position of the teeth of gears and analogous objects, the combination of means for supporting said object with the tooth to be tested in a certain position, a test block in fixed relation to the position of the tooth under test, and an indicator having a movable contact member, said indicator being movable to bring its contact member first into engagement with the test block and then into engagement with the part of the tooth to be tested.

1,463,581. AUTOMOBILE BUMPER. CHARLES H. HATHAWAY, West Allis, and WILLIAM A. STARCK, Milwaukee, Wis., assignors to Badger Manufacturing Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Aug. 23, 1921. Serial No. 494,647. 2 Claims. (Cl. 293-55.)

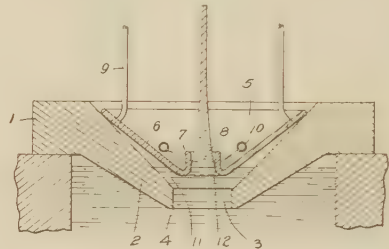
2. A bumper for attachment to an automobile frame having a traverse end bar, having, in combination, L shaped supporting brackets, each having an arm abutting the front of the transverse frame bar and the other arm projecting forwardly therefrom, means comprising U bolts and clamping plates for rigidly fastening the L shaped brackets to the frame end bar, a transverse impact bar provided with rearwardly extending supporting arms having the free ends thereof positioned adjacent the projecting arms of the L shaped brackets, a U shaped reen-

forcing bar rigidly fastened at its base to the transverse impact bar and having its free ends positioned on the other side of the free arms of the L shaped bracket, and



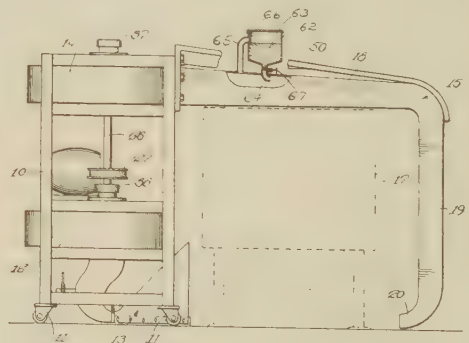
means extending through the free ends of the L shaped impact supporting arms, bracket arm and reinforcing bar and rigidly fastening the same together.

1,463,582. DRAWING GLASS SHEETS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company, a Corporation of New Jersey. Filed Dec. 23, 1919. Serial No. 346,845. 14 Claims. (Cl. 49-17.)



14. The process of drawing a glass sheet which consists in chilling a body of glass between the laterally extending walls of a pair of slot members, lying one above the other, in a melted bath of glass, anchoring the base of the glass sheet to said chilled body of glass, and drawing the sheet through the slot of the upper slot member, such upper slot member being of metal and acting as a die, and the lower slot member being of clay.

1,463,583. COMBINED BLAST AND SUCTION SWEEPER. CHARLES P. HOLLERAN, Chicago, Ill. Filed July 26, 1920. Serial No. 399,071. 6 Claims. (Cl. 15-14.)



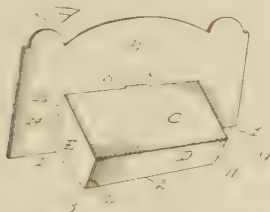
1. A pneumatic sweeper for sweeping the space underneath an article of furniture, comprising a suction head, a blast nozzle spaced a substantial distance from said suction head, sufficient to receive the article of furniture between them, said blast nozzle being directed toward said suction head, whereby the dirt underneath said article of furniture may be blown toward said suction head by said blast nozzle and sucked up by said suction head.

1,463,584. HAY SWEEP. LOUIS J. JENSON, Fort Collins, Colo. Filed July 15, 1921. Serial No. 484,928. 7 Claims. (Cl. 15—252.)



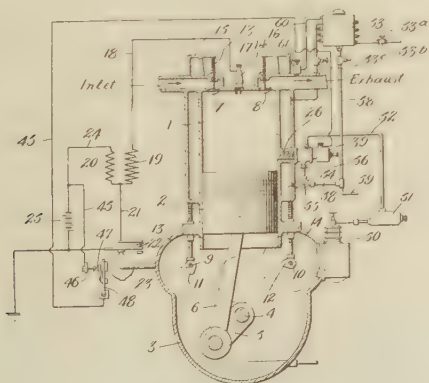
1. In a hay sweep cleaner a rack adapted to ride on the tines of a hay sweep, a rearward extension therefrom, ground contacting elements secured thereto, a support adapted normally to hold said elements out of contact with the ground, a horizontal member along which said support rides in a path parallel with the normal path of travel of the sweep, yielding means for keeping said member normally in a raised position, means in opposition to said yielding means for depressing said support, and means for keeping it in a depressed position during a predetermined rearward travel of the hay sweep.

1,463,585. DISPLAY CARD. CHARLES B. KELLOGG, Chicago, Ill. Filed Aug. 10, 1922. Serial No. 581,013. 4 Claims. (Cl. 40—126.)



1. A display card made from a single blank, comprising a front member having top, front and side sections, a back member, a section intermediate the top of the front member and the back member adapted to be folded to lie parallel to the back member, and means for frictionally holding the front member in locked relation to the back member.

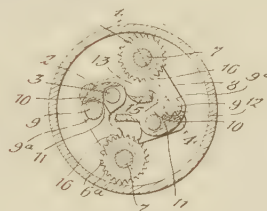
1,463,586. INTERNAL-COMBUSTION ENGINE. VICTOR W. KLIESRATH, East Orange, N. J., assignor of one-half to Caleb S. Bragg, Cincinnati, Ohio. Filed Aug. 30, 1919. Serial No. 320,806. 21 Claims. (Cl. 123—25.)



1. In an internal combustion engine provided with a cylinder and piston, and charge supplying and ignition mechanism, means independent of the normal charge sup-

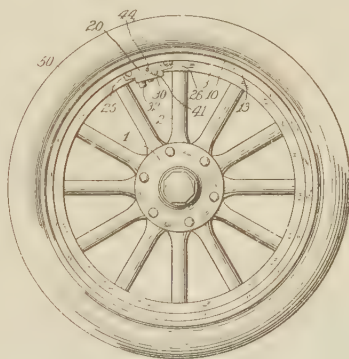
plying mechanism for introducing into the cylinder at a point in the cycle of the engine between the instant of ignition of a normal charge and the end of the piston stroke effected thereby, a quantity of material capable of absorbing heat from the ignited charge, and increasing the pressure thereof, including adjustable means for varying the timing of the admission of said material with respect to the piston between its inner and outer positions, whereby the timing of the admission of said material may be advanced or retarded with respect to the power stroke of the piston.

1,463,587. BOILER-TUBE CLEANER. ALBERT F. KRAUSE, Buffalo, N. Y., assignor to General Specialty Company, Buffalo, N. Y., a Copartnership. Filed Mar. 18, 1921. Serial No. 453,311. 9 Claims. (Cl. 15—104.13.)



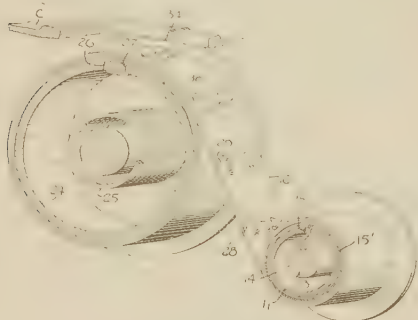
1. A boiler tube cleaner, comprising a rotatable head, a cutter, a member carrying the cutter and movably mounted on said head, said carrying member extending across and on opposite sides of the head, and controlling means for causing said carrying member to move in the direction of its length on the rebound of the cutter.

1,463,588. DEMOUNTABLE WHEEL RIM. KARL I. NUTTER, Martinsville, Ind. Filed June 4, 1921. Serial No. 474,913. 7 Claims. (Cl. 301—17.)



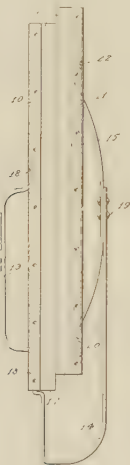
1. A vehicle wheel including a wheel felly having a recess in its inner portion, a gear case having a base member arranged in the recess and two side plates secured to opposite sides respectively of the felly, the case having also a cap secured to said plates, the base member having a journal bearing that extends to the periphery of the felly, a shaft rotatably supported by the journal bearing, a toothed operating wheel arranged in the gear case and fixed to the shaft adjacent to the inner end thereof, and a power device fixed to the outer end of the shaft.

1,463,589. PROCESS OF ADJUSTING MEASURING MACHINES. JOHANNES TH. PEDERSEN, Flushing, N. Y., assignor, by mesne assignments, to The Measure-graph Company, a Corporation of Missouri. Filed Dec. 9, 1919. Serial No. 343,635. 4 Claims. (Cl. 33—129.)



1. In the process of adjusting the size of a roll formed by rolling a measurement chart past a reference mark and upon a roller, the steps which consist in winding a shim within the roll and shortening the size of the shim until substantially correct measurement indications are obtained.

1,463,590. WINDSHIELD CLEANER. JULIUS PEDERSEN, Bridgeport, Conn. Filed Dec. 9, 1921. Serial No. 521,119. 3 Claims. (Cl. 15—252.)

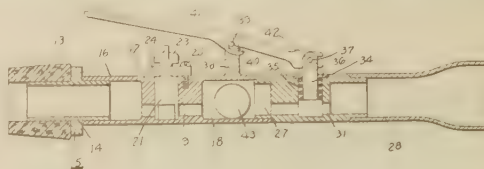


1. A wind shield cleaner comprising a pair of elongated wiper members adapted to be positioned on opposite faces of a glass wind shield, a substantially U-shaped holder for supporting and connecting said wiper members, one end of said holder being rigidly connected to one of said wiper members, and the other end extending in spaced relation to the other wiper member, and a bow spring rigidly connected to said spaced end and having its end portions connected at spaced points to said other wiper member to yieldably support the one with relation to the other and to maintain them in aligned relation.

1,463,591. LIQUID-MEASURING DEVICE. OLIVER P. M. PRAFFENBERGER, Indianapolis, Ind. Filed July 14, 1922. Serial No. 574,930. 4 Claims. (Cl. 215—57.)

1. In a liquid measuring device, a tubular channel, including a measuring chamber, a plurality of valves for

controlling said channel for measuring the flow of liquid, said chamber being arranged to provide access thereto,



and a volumetric reducer receivable by said chamber for reducing purposes, but permitting the flow of liquid through said chamber.

1,463,592. GAS BURNER. WILLIAM V. ROBINSON, Owosso, Mich., assignor to The Independent Stove Co., Owosso, Mich., a Corporation of Michigan. Filed Feb. 27, 1922. Serial No. 539,364. 1 Claim. (Cl. 158—99.)



A one piece burner comprising a series of radially extending arms connected together at their inner ends, each of said arms having a rounded bottom and a flat top, the sides of each arm tapering gradually upward from the rounded bottom to the flat top and having a plurality of openings therein for directing the flames laterally.

1,463,593. TRACTOR-FRAME CONSTRUCTION. JAMES ROSS, Laporte, Ind., assignor to Advance-Rumely Company, Laporte, Ind., a Corporation of Indiana. Filed Apr. 17, 1922. Serial No. 553,722. 4 Claims. (Cl. 180—54.)

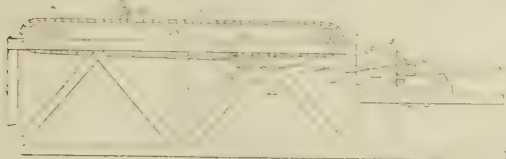


1. In a wheeled automotive vehicle a frame including in combination the transmission case of the driving engine and a plurality of frame members attached directly thereto said frame members forming the sole forward support of the vehicle frame and engine assembly in combination with a pair of axles, one adapted directly to support said transmission case and the other to support said frame members, said frame members forming the sole forward support of the vehicle frame and engine assembly, the engine being separate from the transmission case.

1,463,594. METAL-TWISTING MECHANISM. ROBERT R. RUST, New York, N. Y. Filed Oct. 11, 1919. Serial No. 329,893. 4 Claims. (Cl. 153—78.)

1. In a metal twisting machine, a twisting element and a pulling element, the pulling element comprising a tractive member having mounted upon it a pivoted support, a rotatable shaft in said support and means on the shaft for engaging a metal blank and pulling it through the twisting element, the support traveling

through a closed cycle, after disengagement from a metal blank, to return it to initial position, and means under



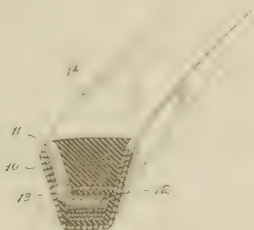
the control of a spring for aligning the means on the rotatable shaft in position for engaging a succeeding metal blank.

1,463,595. AIR-COOLED CYLINDER. SAMUEL R. SAUNDERS, Green Bay, Wis., assignor of one-half to Joseph Hendricks, South Kaukauna, Wis. Filed Nov. 17, 1921. Serial No. 516,004. 2 Claims. (Cl. 257—261.)



1. An air cooled cylinder having annular peripheral ribs, spindles extending through the ribs parallel to the axis of the cylinder and thin annular disks surrounding the cylinder between the ribs and loosely held by said spindles.

1,463,596. TRANSMISSION BELT. JAMES W. SCHADE, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1922. Serial No. 581,628. 2 Claims. (Cl. 74—62.)

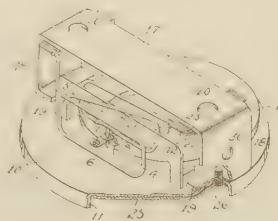


2. An endless, side-driving transmission belt comprising a trough of bias, rubberized fabric, a core-band of longitudinally-extending threads within said trough, and an outwardly-free body of rubber overlying said core and substantially filling the outer space between the wings of the trough, all of said parts being vulcanized together.

1,463,597. ELECTRIC MEASURING INSTRUMENT. WALTER M. SCOTT, Lakewood, and RALEIGH E. TRESISE, Cleveland, Ohio. Filed Jan. 26, 1918. Serial No. 213,854. Renewed Jan. 10, 1922. Serial No. 528,205. 8 Claims. (Cl. 171—95.)

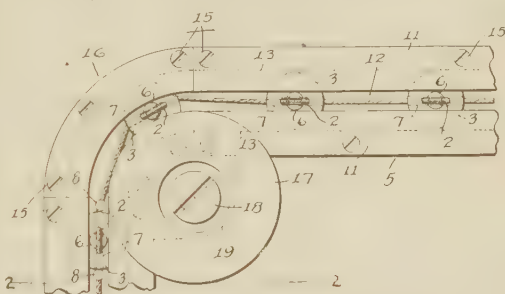
1. In an electric measuring instrument, in combination, a sheet-metal base plate, a rectangular frame integral therewith and projecting perpendicularly there-

from, said frame having an overhanging part and said base plate having an aperture, a pivot bearing in said overhanging part, a second bearing in the base plate opposite thereto, a staff journaled in said bearings, a pointer carried by said staff and passing through said aperture, a permanent magnet carried by said base plate,



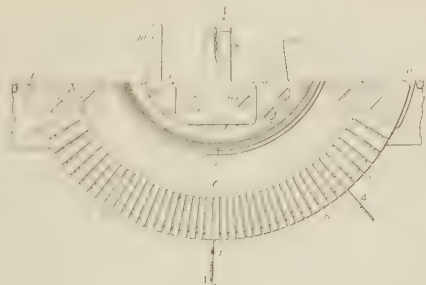
an armature carried by said staff upon the opposite side of said magnet from said base plate, a bridge attached to said base plate, and a current coil carried by said bridge, said coil being made in two spaced parts which straddle said frame and embrace said armature but lie wholly at one side of the magnet.

1,463,598. CURTAIN SUITABLE FOR USE IN STORE FIXTURES. DAVID J. SEAMAN, Saginaw, Mich. Filed Oct. 28, 1921. Serial No. 511,230. 3 Claims. (Cl. 156—20.)



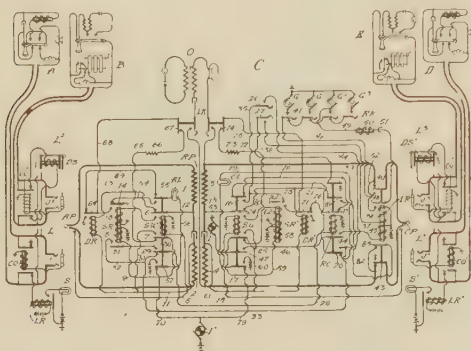
2. The combination with a bottom-slotted channel track having a bend, said track lying horizontally, curtain hangers having buttons slidable in said track, and a drawstring passed through said buttons within the track, of a large-diameter roller projecting downward at the inner side of the track to guide the top of the curtain around the bend.

1,463,599. TYPEWRITING MACHINE. GEORGE A. SEIB, Ilion, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed June 27, 1922. Serial No. 571,154. 11 Claims. (Cl. 199—183.)



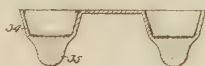
1. In a typewriting machine, the combination of a platen, a set of key operated type bars, and a coiled wire device arranged in the path of the type bars so as to be struck by said type bars as they near the ends of their printing strokes.

1,463,600. TELEPHONE SYSTEM. CHARLES SPARKS, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 5, 1918, Serial No. 248,281. Divided and this application filed July 9, 1919. Serial No. 309,553. 10 Claims. (Cl. 179-58.)



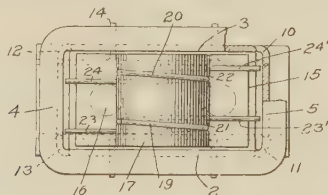
2. A telephone system including common battery and local battery telephone lines, a universal cord circuit for connecting said lines, automatic ringing means including a double-wound ringing relay for ringing a called one of said subscribers' lines, an operator-controlled key, and means controlled by said key for closing a circuit through one winding of said relay and for connecting an interrupter in circuit with the other of said windings.

1,463,601. METHOD OF FORGING INSULATOR CAPS. CLINTON W. STOVER, Canton, Ohio. Filed Dec. 21, 1921. Serial No. 523,931. 6 Claims. (Cl. 29-155.5.)



1. The method of making an insulator cap or the like from a blank bar which includes forging a cup and extruding an ear lug on its bottom, and then bending the edge of the rim of the cup inward.

1,463,602. ROLLER SIDE BEARING. ARNOLD STUCKI, Pittsburgh, Pa. Filed June 15, 1922. Serial No. 568,439. 4 Claims. (Cl. 64-64.)



1. A side bearing for railway cars comprising a housing having its bottom forming a bearing surface and provided with side and end walls, a roller in the housing resting on the bearing surface, a spring normally retaining the roller in centered position attached to the roller, the spring and roller forming a detached unit freely insertable and removable from the housing, the free detached ends of the spring contacting the bearing surface throughout a substantial extent and adapted to be flexed whereby to place the same under tension upon movement of the roller towards the said end walls.

1,463,603. CARTRIDGE-LOADING PRESS. PHINEAS M. TALCOTT, Branford, Conn. Filed Apr. 10, 1920. Serial No. 372,906. 10 Claims. (Cl. 86-23.)

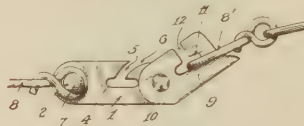
2. A cartridge loading press, comprising a frame, tool operating means upon said frame, and a removable member mounted upon said frame, said member provided with

a socket for supporting said cartridge in an upright position extending above said member, said member provided with a different socket for supporting said car-



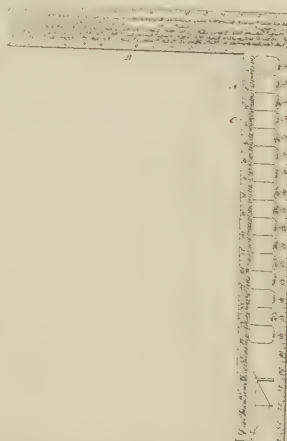
tridge in an inverted position extending below said member, said cartridge, when in both positions, being in alignment with said tool operating means.

1,463,604. LOCK FOR TIRE CHAINS. RAY C. WAGNER, Metamora, Ill. Filed Feb. 20, 1922. Serial No. 538,082. 5 Claims. (Cl. 24-69.)



1. A tire-chain lock comprising two members pivotally connected at one of their ends, one adapted to overlie the other and one of them adapted for attachment at its other end to the tire chain, there being a main slot in each member adapted to be brought into register and lying between the pivot of the members and the place of attachment to the said chain when the members are closed upon one another, there being a second slot in each member extending in a lateral direction from and communicating with the middle of said main slot and each opening through one edge of its respective member but in opposite directions, and one of them lying at an acute angle to the said main slot with which it communicates and extending in the general direction of the pivoted end of the members.

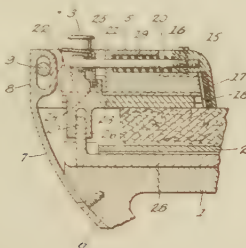
1,463,605. CARPENTER'S SQUARE. CHARLES A. WALTERS, Marion, Iowa. Filed Apr. 20, 1921. Serial No. 463,016. 3 Claims. (Cl. 33-113.)



1. A carpenter's square having stamped thereon a row of enclosing figures C, pointed at one end, whose points

coincide with the inch-marks on the square, a different roof-pitch being inscribed in each figure, and numerals with indexes to denote corresponding rafter-lengths and various roof measurements and angle cuts.

- 1,463,606. NECKBAND FORMER. CHARLES E. WAREAM, Cincinnati, and DANA H. BENJAMIN, Cleveland Heights, Ohio, assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Original application filed July 2, 1917, Serial No. 178,286. Divided and this application filed July 22, 1921. Serial No. 486,778. 5 Claims. (Cl. 68—9.)



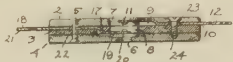
3. In a device of the character described, a neckband clamping means for operative engagement with the front of said former, a releasable lock for said clamping means, and means co-operating with said lock for tightening the clamping engagement of said clamping means.

- 1,463,607. BUILT-IN CABINET. CHARLES C. WHITE, Chicago, Ill. Filed Dec. 12, 1921. Serial No. 521,591. 10 Claims. (Cl. 20—1.11.)



1. In a built-in cabinet, the combination of a plurality of separately built self-supporting end-units adapted to be placed adjacent corners of a room and secured in spaced relation to form a utensil compartment between them, a separate base-board, a board separate from the units and extending over the top of the units, and vertical strips for closing the spaces between the units and the built-in walls.

- 1,463,608. SPARK INTENSIFIER. EMERY WINCA, Cleveland, Ohio. Filed Dec. 12, 1921. Serial No. 521,803. 1 Claim. (Cl. 175—183.)

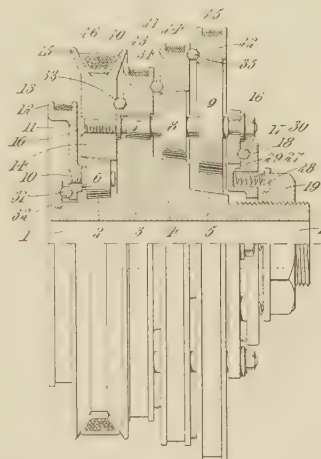


A spark intensifier, comprising three superposed flat pieces having central registering openings and two of said pieces having stepped channels in their meeting faces, separate metal conductors having offset ends provided with sparking points extending into said central openings, and means pivotally uniting said pieces together.

- 1,463,609. CASTING OXIDIZABLE METALS. ADOLF BECK and KARL GERSBACH, Bitterfeld, and OSKAR HERMANN WEBER, Griesheim-on-the-Main, Germany, assignors to the Firm: Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Filed May 25, 1922. Serial No. 563,717. 2 Claims. (Cl. 22—189.)

1. The method of casting magnesium and alloys containing same, consisting in dusting the mould, prior to casting the metal, with a material capable of giving off, in contact with the molten metal, a gaseous substance, which is more easily oxidizable than magnesium.

- 1,463,610. DRIVING GEAR SPECIALLY APPLICABLE TO MOTOR-PROPELLED CYCLES. GERTRUDE MABEL CAMERON-COWBURN, Gosport, Hants, England. Filed Dec. 7, 1921. Serial No. 520,531. 1 Claim. (Cl. 74—34.)



Change speed gearing with a reverse drive comprising a driving member, a driven member encircling the driving member, a plurality of sets of sun and planet gearing for forward driving having the sun members formed by friction gears integral with the driving member, a series of pins carried by the driven member and extending laterally therefrom over the sun members, smooth faced rollers forming the planet members of said gearing mounted on said pins and engaging the sun members, a ring forming a drum encircling each set of sun and planet gearing and having an interiorly smooth face forming a friction gear engaging the respective planet member, braking means for each of said drum forming rings whereby said rings can be selectively held against rotation; and a set of sun and planet gearing for reverse driving of said driven member having the sun member formed by a friction gear integral with said driving member, a disc freely revoluble in relation to the driving or the driven member, means for holding said disc against rotation, a series of pins carried by said disc, and smooth faced rollers mounted on said disc carried pins and engaging said sun forming friction gear of the reverse driving gear set, the said reverse drive sun and planet gearing contained within the driven member which is interiorly formed to provide a friction gear engaging the reverse drive planet forming rollers.

- 1,463,611. ABSORBENT SHEET MATERIAL. ALBERT L. CLAPP, Marblehead, Mass., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed July 5, 1918. Serial No. 243,391. 3 Claims. (Cl. 154—51.)

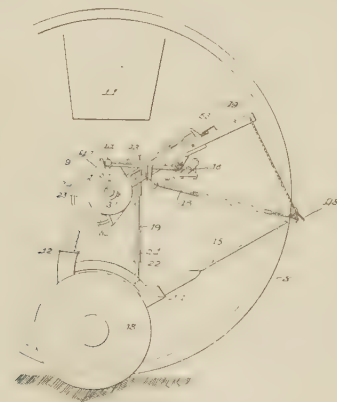
1. A porous absorbent sheet of roofing felt, consisting of the fibers of "news" and chemical wood pulp, and an initially porous absorbent fireproof filler, all in intimate admixture.

1,463,612. POWER LIFT FOR GRAIN DRILLS. CALVIN R. DAVIS, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed Apr. 23, 1918. Serial No. 230,211. 5 Claims. (Cl. 97—243.)



1. In a seeding machine, the combination of a gang of drills, a wheel shaft, a rock shaft and connections therefrom to the drills so that upon rocking the shaft the drills will be raised and lowered, a driving gear loose on the wheel shaft, a driven gear in mesh with said driving gear and having a connection with said rock shaft constructed so that during a complete revolution of the driving gear the rock shaft will be operated to fully raise and lower the drills, a toothed driving member fixed to the wheel shaft, a pawl carried by the driving gear and adapted to engage said toothed driving member, a pawl control member adapted to oscillate about the wheel shaft and having circumferentially spaced surfaces for holding the pawl out of engagement with said toothed member and for allowing upon oscillation of the control member the pawl to operatively engage said toothed member.

1,463,613. POWER LIFT FOR GRAIN DRILLS. CALVIN R. DAVIS, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed Dec. 8, 1920. Serial No. 429,208. 11 Claims. (Cl. 97—244.)

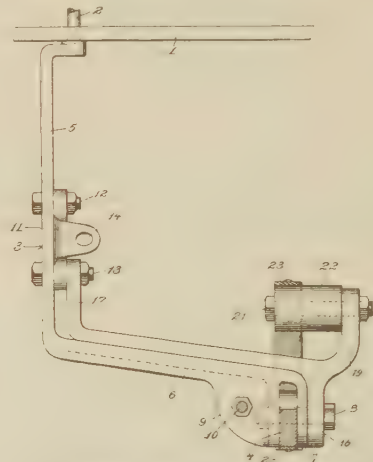


1. In a machine of the character described, the combination of a ground-breaking device, a rock shaft connected with said device, power-operated means for rocking said shaft to raise and lower said device, including an eccentric, an eccentric band, an arm fixed to said band and carrying a fixed abutment and an adjustable abutment, and an arm fixed to said rock shaft and having a part disposed between and adapted to be

operated by said abutments, said adjustable abutment adapted for determining the working depth of said device and said fixed abutment for lifting the device to a uniform height at each raising operation.

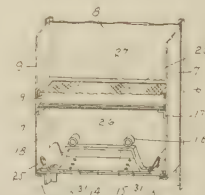
11. In an implement of the character described, the combination of a drive shaft, a rock shaft, an eccentric loose on the drive shaft, an eccentric band having a rigid translating arm extending therefrom, opposed abutments on the outer end of said arm, one of said abutments being adjustable outwardly and inwardly on said arm, a part fixed to the rock shaft having a lateral projection disposed between said abutments and adapted to be operated by throw of the eccentric, a clutch on the drive shaft adapted for intermittently connecting the eccentric thereto, and a clutch control lever pivotally mounted on said part.

1,463,614. LOOM ATTACHMENT. JOHN L. DAVIS and LOUIS D. COOLEY, Greenville, S. C. Filed Feb. 13, 1922. Serial No. 536,124. 5 Claims. (Cl. 139—149.)



1. The combination with a picker foot, said picker foot having an arm provided with a forwardly projecting bifurcated portion, of a picker stick extending through said bifurcated portion, a bracket having a forwardly projecting arm bearing against one side of said bifurcated portion, and having a rearwardly projecting arm offset outwardly beyond the plane of but parallel with said forwardly projecting arm, a bolt passing through said forwardly projecting arm of the bracket and the bifurcated portion of the picker foot and fastening said bracket to said bifurcated portion and pivotally connecting the picker stick therewith, a supporting member carried by the rearwardly projecting offset arm of the bracket and extending inwardly in rear of the bifurcated portion of the picker foot, a spring drum carried by said supporting member, and a strap connecting said drum with the picker stick.

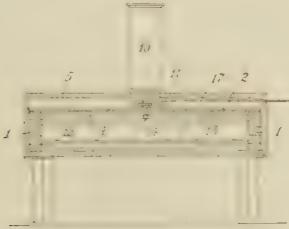
1,463,615. CLOTHES DRIER. ELLIS O. DE CAMP, Cincinnati, Ohio, assignor to The Williamson Heater Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 11, 1922. Serial No. 581,067. 5 Claims. (Cl. 34—26.)



1. The combination with a casing and burners adapted to generate heat within the casing, of a deflector plate

mounted above the burners and dividing the casing into a drying chamber and a heating chamber, part of the deflector plate extending over the burners and having perforations formed in it, the perforations increasing in number as the plate recedes from the burner.

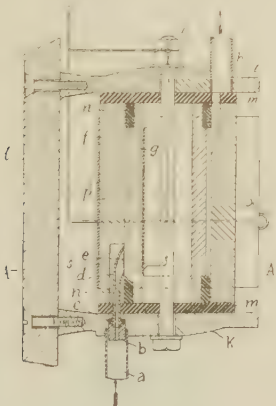
1,463,616. BAKER'S OVEN. WILLIAM DREDGE, Manchester, England. Filed Jan. 3, 1921. Serial No. 434,697. 3 Claims. (Cl. 107—57.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



1. A baker's oven of the type referred to, comprising a casing composed of non-conducting walls, an oven chamber having means for heating the same internally, a flue extending longitudinally of the said chamber and a tube or tubes in the interior of the baking chamber having perforations or apertures through which the hot vapors or combustion products can be removed throughout the whole length of such chamber or a part of the length thereof.

3. A baker's oven of the type referred to, comprising a casing composed of non-conducting walls, a flue extending longitudinally of the baking chamber, an uptake at one end of the oven structure, perforated pipes extending across the interior of the baking chamber and arranged in groups located in a different position in the length of the baking chamber, each group being connected to a separate valve controlled main pipe leading to the collecting chamber or uptake, so as to enable any of the groups to be thrown into or out of operation, whereby the hot vapors can be drawn off in a body as they are created, or removed gradually or retained, or retained at the initial stage of the baking, but removed at the final stage or vice versa.

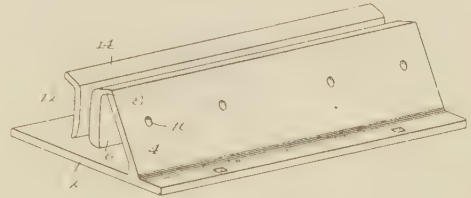
1,463,617. ELECTRIC LIQUID HEATER. FERDINAND E. GEORG EISEL, Chemnitz, Germany, assignor to Edmund Richter, Chemnitz, Germany. Filed July 7, 1921. Serial No. 483,113. 4 Claims. (Cl. 219—40.)



1. The combination, in an electric liquid heater, of a central electrode within a liquid receiving chamber surrounded by means of a cylindrical outer electrode, having at its inside an oblong depression extending upwardly

from the bottom end of the said outer electrode, with a nozzle extending through the bottom of the said liquid receiving chamber into the said depression and adapted to lead the liquid from the bottom upwardly to the said liquid receiving chamber, all substantially as set forth.

1,463,618. RAIL JOINT. FRANK B. ELLIOTT, Belle Plaine, Kans. Filed Nov. 10, 1922. Serial No. 600,044. 2 Claims. (Cl. 238—195.)



1. In a rail joint, a base adapted to underlie the bottoms of two abutting rails, an inclined brace extending upwardly from one side of said base, a wing spaced from said brace and adapted to lie against the webs of the rails, a seat resiliently-connecting the upper portions of the brace and said wing, and bolts extending through the rails, the brace and the wing to secure the joint to the rails and force the free portion of said brace towards the wing to create a nut-lock action on the bolts, substantially as described.

1,463,619. CARDCASE. PRINCE A. GARDNER, St. Louis, Mo. Filed June 6, 1921. Serial No. 475,239. 2 Claims. (Cl. 206—56.)

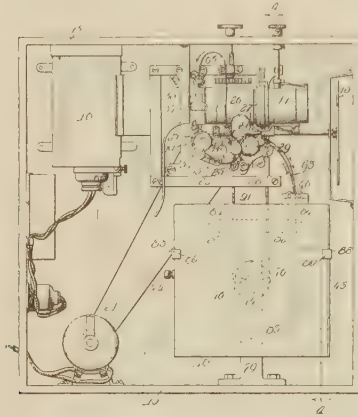


1. A receptacle containing a pocket and having a strap one end of which is fastened within the said pocket and the other end exposed exterior to the receptacle, the said strap being bent intermediate its end at a point located within its said pocket, the said pocket containing a slit through which the said strap passes and the said strap having a disk at its outer end to prevent its slipping through said slit and providing a finger grip for facilitating the drawing of said strap outward of said slit to effect the lifting of the contents upwardly of said receptacle, the means within the said pocket for attaching therein the other end of the said strap consisting of a cross-piece fastened transversely to the back of the main body between which and the said back the said end is held, said cross-piece serving to brace the said back.

1,463,620. FILM WINDING AND DELIVERY MEANS FOR MOTION-PICTURE DEVICES. LOUIS B. LARSEN and OSCAR J. HOLMES, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 451,954. 11 Claims. (Cl. 88—18.7.)

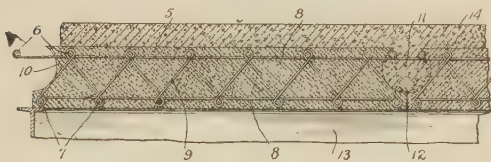
1. A combined film-holder and casing for an endless film comprising walls forming a casing having an inlet and an outlet for the film, means within the casing for

operatively holding between normally substantially vertical planes touching the opposite edge portions of the ring a film ring comprising a plurality of convolutions of the film, a rotary film-pulling means for drawing the film from one convolution of said ring, and rotary film-delivering means for receiving and delivering the film from said



film-pulling means, the film-pulling means being operatively positioned substantially between the vertical planes substantially defined by the opposite edges of the film ring and having an axis of rotation at substantially a right angle to said planes, the film-delivering means being spaced from the film-pulling means.

1,463,621. FLOOR SLAB. FRED LICHTENBERG and MICHAEL M. MCCARTHY, Yonkers, N. Y. Filed Nov. 16, 1921. Serial No. 515,452. 2 Claims. (Cl. 72-66.)

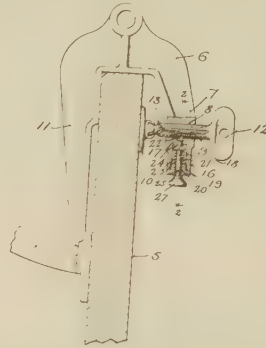


1. Flooring slabs of cementitious material recessed along their upper edges to provide when the slabs are assembled with their lower edges in abutting engagement, troughs open at the top to receive plastic bonding material, layers of reinforcement near the upper and lower faces of the slabs, said layers being connected in spaced relation by ties, the lower reinforcement layers including reinforcement rods extending along the lower projecting abutting edges of the slabs and the upper reinforcing layers having extensions projecting past the recessed upper edges of the slabs, beyond the lower projecting edges thereof and across the troughs provided between adjoining slabs to thereby form a substantially continuous reinforcement and bond between the slabs.

1,463,622. CLAMP-BOLT LOCK. FRED LUMMER, Milwaukee, Wis. Filed June 30, 1922. Serial No. 571,847. 1 Claim. (Cl. 151-10.)

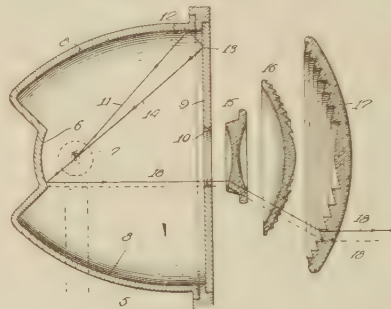
In a bolt lock, a bolt provided with longitudinally extending slots, a transversely disposed spring pressed plunger adapted to engage said slots to prevent retrograde movement of the bolt, a pin carried by the plunger adapted to cooperate with a slot in the member through which the bolt is threaded to restrain the plunger from

rotation, and a cap on the outer end of the plunger, said plunger being held out of engagement with the bolt by



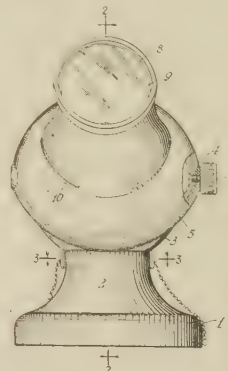
moving said cap outwardly to disengage the pin from its slot and then partially rotating the cap to disalign said pin and slot.

1,463,623. LIGHT PROJECTING APPARATUS. DANIEL J. MCCARTHY, Elgin, Ill., assignor to Chicago Railway Signal and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 28, 1920. Serial No. 392,353. 2 Claims. (Cl. 240-41.)



1. A light projecting device comprising an inner reflector substantially parabolic in form and a cooperating outer reflector substantially elliptic 8 in form in which the focal points of the elliptical reflector and of the parabolic reflector coincide to project light in the same direction; a source of light at said focal point and an opposing reflector arranged to return the light proceeding from the elliptical reflector only, thru said focal point to the parabolic reflector.

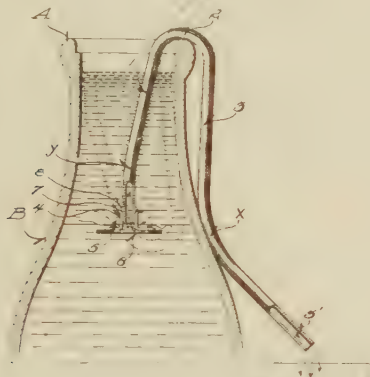
1,463,624. ILLUMINATING DEVICE FOR THE EXAMINATION OF NEGATIVES. ELLIOTT B. MABEE, Brooklyn, N. Y. Filed Feb. 25, 1922. Serial No. 539,096. 10 Claims. (Cl. 88-14.)



1. The device herein described consisting of a hollow base member terminating at its upper end in a substan-

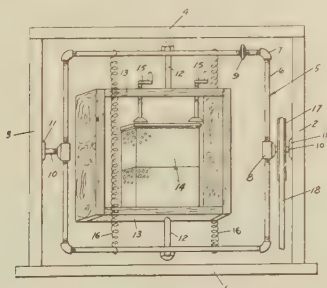
tially hemispherical part, and a second hollow member pivoted to the base member, the base member having an opening which adjoins a similar opening in said second member, said second member having a spherical part which is adapted to rotate over and upon the said substantially hemispherical part of the base member.

1,463,625. CREAM SEPARATOR FOR MILK CONTAINERS. JACOB MAIER, NICHOLAS LENZ, and CLARENCE E. RADMER, Milwaukee, Wis. Filed Sept. 30, 1922. Serial No. 591,662. 1 Claim. (Cl. 137—20.)



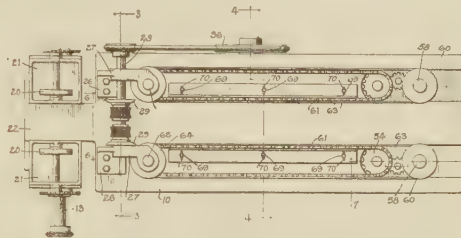
The combination of a rigid siphon tube, a disk positioned below the mouth thereof, means detachably securing said disk to the end of said tube, said tube having a bend 2 therein adapted to rest on the lip of a bottle, and a bend spaced from said disk and adapted to rest against the side of a bottle, said tube diverging outwardly from said bend for the feeding of liquid into a container, the contact of said bend with the side of the bottle operating to maintain said disk substantially centrally and horizontally disposed in said bottle, whereby on the removal of said disk, said tube may be inverted and inserted in the neck of said bottle to receive liquid by which the siphon action may be initiated.

1,463,626. AGITATING MACHINE. ANTONY MARBAZZO, New York, N. Y. Filed May 24, 1923. Serial No. 641,041. 8 Claims. (Cl. 259—72.)



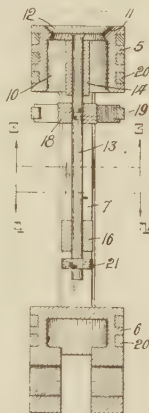
1. An agitating machine comprising a mold retaining mechanism means for removably securing the mold thereto and means for imparting to the mold retaining mechanism a rotative motion about two axes.

1,463,627. CARTON-SEALING MECHANISM. MICHAEL J. MILMOE, Chicago, Ill., assignor to F. B. Redington Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 7, 1920. Serial No. 350,038. 46 Claims. (Cl. 93—6.)



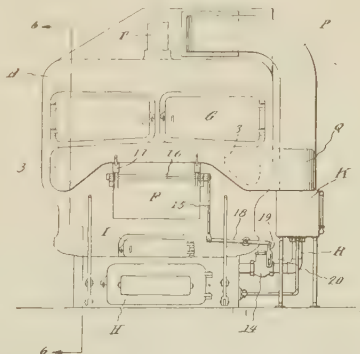
1. The combination with means for moving a carton having a flap thereon, of a rotatory member having a convex inclined face arranged to engage said flap for closing said flap.

1,463,628. CHECK-VALVE CONTROL MEANS FOR PISTONS. FRANK L. MUMFORD, Toledo, Ohio. Filed May 25, 1922. Serial No. 563,656. 2 Claims. (Cl. 230—27.)



1. In combination, a cylinder, a piston mounted therein and having an opening longitudinally therethrough, a check valve seating in the piston opening and having a stem projecting therefrom through the piston and guided for limited reciprocatory movements longitudinally thereof, and means carried by the valve stem for movements therewith, said means having a friction ring in sliding coaction with the cylinder wall to cause an opening of the valve when the piston is moved in one direction and a closing of the valve when moved in the opposite direction.

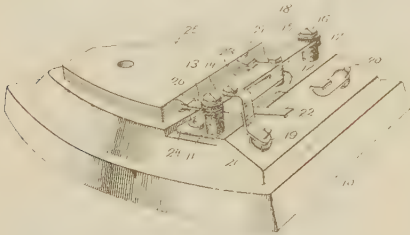
1,463,629. METHOD OF AND APPARATUS FOR SMOKE PREVENTION. HARRY M. NOBIS, East Cleveland, Ohio. Filed Feb. 6, 1922. Serial No. 534,366. 14 Claims. (Cl. 110—55.)



1. The method of firing a furnace comprising stoking the furnace at intervals, directing fresh air over the fuel

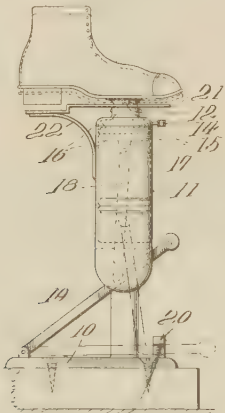
in the fire pot immediately after stoking, using water to control the supply of air so directed, and sprinkling into the ash pit water so used.

1,463,630. ELECTRIC HEATER. WILLIAM A. RANKIN, Oak Park, Ill., assignor to Edison Electric Appliance Co., Inc., a Corporation of New York. Filed Apr. 12, 1921, Serial No. 460,726. Renewed Apr. 4, 1923. 8 Claims. (Cl. 219-25.)



1. The combination with an electric heater, of a body heated thereby, a thermostatic element attached to said body in direct heat conducting relation therewith, and co-operating insulated contacts in the circuit of said heater, one of which is carried by said thermostatic element, whereby the temperature of said body is controlled by the thermostatic element.

1,463,631. SUCTION SUPPORT FOR BOOTBLACK STANDS AND THE LIKE. GOTTLIEB SCHONSTEINER and THOMAS EDWARD MICHAEL, Pittsburgh, Pa. Filed Sept. 30, 1922. Serial No. 591,519. 6 Claims. (Cl. 15-265.)

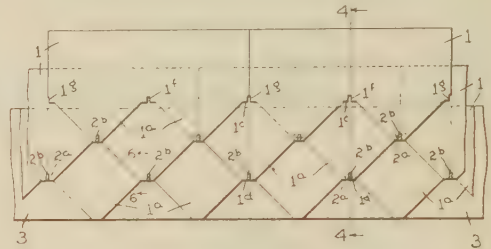


1. A device of the class described comprising a stand having a cylinder at one end provided with a thread, a foot-support forming a cup and having a thread complementary to the first thread, and a resilient member having an opening communicating with said cylinder, and a piston working in said cylinder.

1,463,632. COMPOSITION SHINGLE. RICHARD S. SEVERNS, Delanco, N. J. Filed Sept. 29, 1922. Serial No. 591,283. 2 Claims. (Cl. 108-7.)

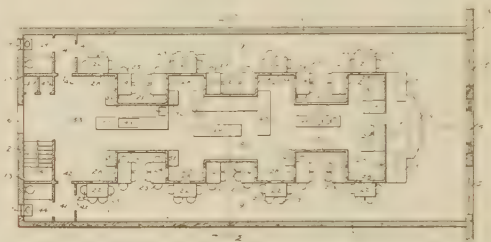
1. The combination of a shingle having a body portion with a plurality of integral spaced triangular tabs projecting from the lower edge thereof, each tab having a perforation near its lower end, and the body portion having slots at each side of each tab, the slots in the body portion of one row of shingles being adapted to register with the perforations in the tabs of the next superimposed row of shingles; with T-shaped metallic fastening clips having bases adapted to be inserted beneath the shingles in

the middle ply with their shanks bent upward and extending through the slots in such shingles, and also through the perforations in the tabs of the next superimposed row of shingles with their outer ends bent down over the ends of said tabs to lock said tabs to the body portions of the



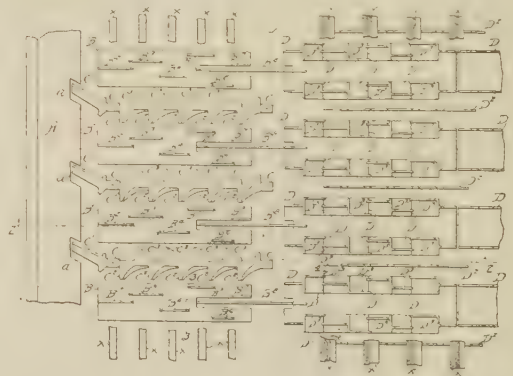
underlying shingles; whereby the tabs of the upper ply of shingles are locked to the body portions of the middle ply and the imperforate lower ply of shingles under said fastening clips preventing seepage of water past the clips and into the roof.

1,463,633. RESTAURANT ROOM. ELLASSON R. SMITH, Dayton, Ohio. Filed Dec. 12, 1921. Serial No. 521,889. 3 Claims. (Cl. 20-1.1.)



1. The combination with a central service hall and exterior dining halls, the central service hall being separated from the dining halls by a wall crenelated in plan to provide three-sided service alcoves opening freely into the main part of the service hall, said wall being provided with three-sided dining alcoves opening freely into the respective dining halls, the wall of each service alcove having service openings in its several sides.

1,463,634. COOLING BED. GEORGE MARSHALL SMITH, Chicago, Ill., assignor to Interstate Iron and Steel Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1921. Serial No. 509,682. 5 Claims. (Cl. 80-42.)



5. In a cooling bed for metal bars, the combination of a series of inclined skid-beams forming the first section of the bed provided with skid-flanges on their upper faces, the flanges on each beam being staggered in different directions.

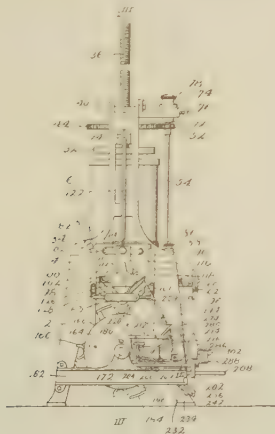
ent planes lengthwise thereof, means to feed the bars along the flanges, a series of racks forming the second section of the bed and provided with a series of pockets, flanges on a plurality of the pockets at the receiving end of each rack arranged in staggered relation in each pocket, and means to move the bars along the racks from one pocket to an adjoining one.

1,463,635. LIFTING JACK. ARTHUR L. STANFORD, Chicago, Ill. Filed Jan. 23, 1922. Serial No. 531,087. 19 Claims. (Cl. 254—106.)



1. In a lifting jack, the combination of a socket member, a lifting bar slidable within the socket member, clutch members for engaging the lifting bar, a lever head embracing the lifting bar, a hanger connecting the lever head with one of the clutch members, a fulcrum bar extending transversely through the center of the lever head, and a fulcrum bearing block supported on the socket member and presenting the centrally disposed portion of its upper edge for contact with the lower edge of the lever head and having an undercut shoulder on each side, the lever head having on each side a member adapted to rock beneath the proximate shoulder of the fulcrum bearing block, substantially as described.

1,463,636. AUTOMATIC FOOD MOLDING AND WRAPPING MACHINE. WILLIAM STRICKER, Kansas City, Mo. Filed Feb. 19, 1921. Serial No. 446,377. 10 Claims. (Cl. 93—7.)

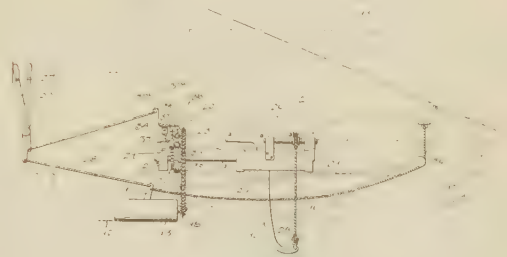


1. In a machine of the character described, a rotary carrier, receivers spaced apart on said carrier to successively receive lengths of material and hold a wrapper

for each length, folding devices on said carrier for partly folding each wrapper around a length of material, a reciprocatory carriage associated with the carrier, means on said carriage for cooperating with the folding devices in folding the ends of the wrappers over the ends of the respective lengths of material, and grooved rollers for creasing the end folds of the wrappers.

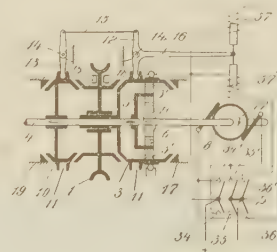
9. In a machine of the character described, means for supporting a roll of paper, means for feeding the paper from the roll and partially folding it longitudinally, and knives having cutting edges to conform substantially to the shape of the partially folded paper to cut the same into wrappers.

1,463,637. HOIST FOR VEHICLE BODIES. HENRY C. STRUCHEN, St. Paul, Minn. Filed July 12, 1920. Serial No. 395,523. 2 Claims. (Cl. 298—21.)



1. The combination with a self-propelled vehicle having a dump body tiltably supported upon the frame thereof, of an arm depending from the body, a winding drum revolvable in the vehicle frame, the axis of said drum being at right angles with respect to the pivotal axis of said body, a lifting cable attached to said drum and connected with said arm, a power take-off device operatively connected with the propelling mechanism of the vehicle and power transmitting mechanism between said take off device and drum for turning the latter to wind said cable thereon and tilt the body, said arm, during the winding operation, being swung upon movement of the body to feed the cable longitudinally of said drum.

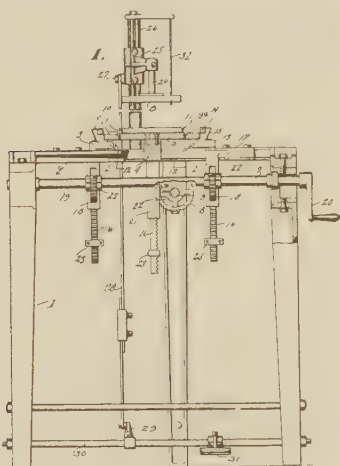
1,463,638. REVERSING GEAR. LUDWIG THALLMAYER, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed July 14, 1922. Serial No. 575,002. 5 Claims. (Cl. 74—34.)



1. In a reversing gear, a source of motive power, a rotatably supported shaft, a disk, rotatable thereon, but immovable in axial direction and suitable to transmit mechanical energy to machinery to be driven, said disk having a clutch member fixed to each of its sides, a first clutch drum located at one side of said disk and fixed to said shaft, said drum having a clutch face on the

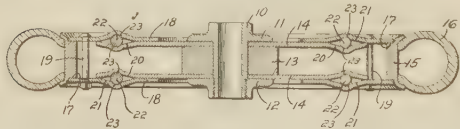
side facing said disk and having at its other side a braking face, a fixed braking member adapted to engage said braking face when said drum is axially shifted in one direction said drum engaging said disk when being shifted in the other direction, a second clutch drum disposed at the other side of said disk and revolvable on said shaft, said second drum having a clutch face on the side facing said disk and on its other side a braking face, a fixed brake member adapted to engage said last-named braking face of the second drum when the drum is axially shifted in one direction, said drum being adapted to engage said disk when axially shifted in the other direction, means adapted to axially shift said two clutch drums simultaneously in one or the other direction to alternately bring one or the other drum into engagement with said disk and said braking members respectively, and means for alternately connecting the power source to one or the other clutch drum, when the drum so connected is axially shifted to engage said disk.

1,463,639. WRAPPING MECHANISM FOR PASTEBOARD BOXES. GEORGE J. THUST, Milwaukee, Wis. Filed Aug. 7, 1922. Serial No. 580,217. 8 Claims. (Cl. 93—54.)



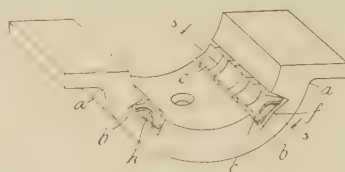
1. A machine for wrapping multisided boxes, comprising a support for the wrapper and the box, a plate for each side of said box hinged to said support, a strip for each plate and hinged joined thereto, and a single movable member for each plate and its corresponding strip adapted to successively operate said plate and strip to force the wrapper against the side of the box and completely fold the wrapper over the edge of said box and against its inner side.

1,463,640. VEHICLE WHEEL. BENJAMIN F. WALKER, Bridgeport, Conn. Filed Mar. 17, 1921. Serial No. 452,916. 12 Claims. (Cl. 152—28.)



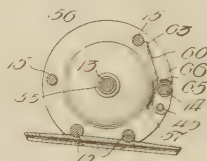
1. A vehicle wheel comprising overlapping central and peripheral portions movable relative to each other and provided respectively with opposed oppositely disposed substantially conical recesses having sockets at the apex thereof, and retaining members in said sockets.

1,463,641. WOOD AND OTHER PULLEYS. WILLIAM ERNEST WARD and MARIUS JULES BARRE, Birmingham, England. Filed Oct. 6, 1922. Serial No. 592,899. 6 Claims. (Cl. 287—52.)



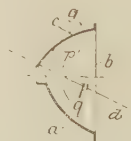
3. A bush for securing wood and other pulleys upon shafting, comprising a bush formed in two complementary portions, longitudinal recesses in the inner face of the said portions, blocks located in the said recesses and having inwardly projecting cutting edges, and means for causing the said blocks to tilt within the said recesses, the cutting edges on the said blocks being provided by forming the blocks with concave inner faces, the radius of the concavity being less than the radius of the shafting upon which the bush is to be fitted.

1,463,642. FISHING REEL. JOHN T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed Oct. 8, 1921. Serial No. 506,333. 5 Claims. (Cl. 242—84.4.)



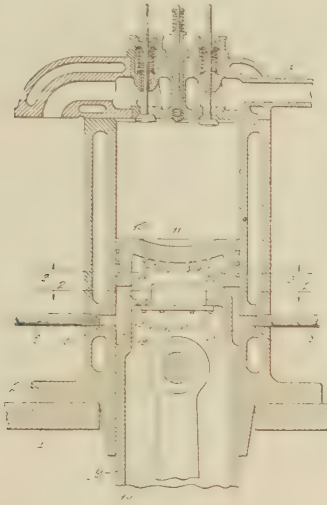
2. In a fishing reel, the combination of a spool shaft, a traversing shaft, driving connections therebetween, a carriage mounted for reciprocation on the traversing shaft, means for guiding the carriage with one side thereof facing the spool shaft, there being two parallel grooves formed on said carriage side, and a line guide in the form of a looped wire having its ends received within the groove and secured to the carriage, the looped end of the guide which extends away from the carriage being free, substantially as described.

1,463,643. LAMP FOR ROAD VEHICLES AND LIKE PURPOSES. ARCHIBALD CHARLES WHITEHEAD, Ipswich, England. Filed July 18, 1922. Serial No. 575,784. 1 Claim. (Cl. 240—41.)



A reflector of the class described consisting of upper and lower halves, the lower half having a reflecting surface of regular paraboloidal form, the upper half having a reflecting surface generated by the revolution of a parabolic segment about the major axis of the segment and simultaneously with said revolution tilting said major axis downwardly about a point displaced longitudinally of the axis of the lower half rearwardly from its focal point whereby the upper deformed half of the reflector is bodily displaced with reference to the lower regular half.

1,463,644. PISTON FOR INTERNAL-COMBUSTION ENGINES. ALEXANDER WINTON, Lakewood, Ohio. Filed Apr. 25, 1919. Serial No. 292,686. 2 Claims. (Cl. 123—171.)



1. In an internal combustion engine, a cylinder provided with inlet and discharge ports near one end, a piston within said cylinder, a wall in said piston forming a cooling chamber adjacent to the piston head, said piston having ports communicating with said chamber and adapted to register with said inlet and discharge ports, means for supplying cooling medium under pressure to the inlet port of said cylinder, means communicating with said discharge port for conducting the heated cooling medium to the atmosphere, and a baffle plate in said cooling chamber lying in a plane at an angle to a line connecting the piston ports.

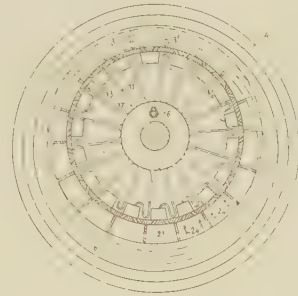
1,463,645. COTTER-PIN-EXTRACTING PLIERS. JAMES OLBERT WRIGHT, Atlantic City, N. J. Filed Aug. 23, 1921. Serial No. 494,678. 3 Claims. (Cl. 29—86.2.)



1. In a device for extracting cotter pins, handles pivoted parallel with each other, coaxing jaws pivotally connected intermediate their ends and to the handles at their adjacent ends, said jaws being curved similarly for a portion of their length at an angle to their pivotal movement, said jaws having on their confronting

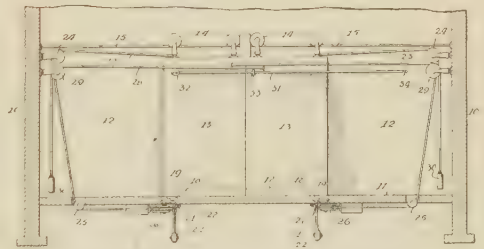
sides, pointed extremities, recessed portions adjacent the points for gripping rounded surfaces, and flat gripping surfaces adjacent the recessed portions.

1,463,646. APPARATUS FOR PERFORMING CYCLES OF COMPRESSION, EXPANSION, COMBUSTION, SUCTION, EXHAUST, AND THE LIKE. CONSTANTIN CHILOWSKY, Paris, France. Filed Mar. 6, 1923. Serial No. 623,275. 11 Claims. (Cl. 230—22.)



1. In a rotary apparatus, an external and an eccentric internal rotor having peripheral pockets thereon, a liquid held by centrifugal force in the external rotor and capable of entering the outer open ends of said pockets and working chambers in the internal rotor communicating with said pockets.

1,463,647. DOOR-OPENING APPLIANCE. THOMAS F. COSS, Mendota, Ill. Filed Mar. 18, 1922. Serial No. 544,779. 3 Claims. (Cl. 268—8.)



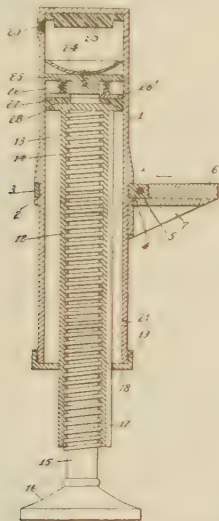
1. In a door opening device, the combination of a pair of sliding doors, a pivotally mounted tread bar normally standing in elevated relation with respect to the ground level of the runway, and provided at each end with a depending lever arm of greater length than the height of the tread bar, a roller journaled at the end of each lever arm, and a cable for each roller having one end secured to the associated door section and the other end secured to a fixed portion of the structure, the intermediate portion of the cable extending around the associated roller for the purpose of amplifying the movements of the door section occasioned by a swinging of the levers, substantially as described.

1,463,648. COMBINATION SWIVEL WRENCH PLATE AND HANGER. CHARLEY A. DULEY, Breckenridge, Tex., assignor of one-half to George G. Bowen, Breckenridge, Tex. Filed Mar. 15, 1922. Serial No. 543,831. 6 Claims. (Cl. 255—35.)

1. A wrench plate and hanger therefor comprising a frame provided with a central recess therein, a wrench

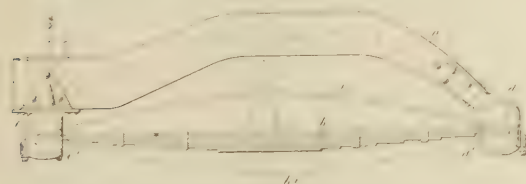
bers retained in abutting position by the diverging portions of the jaw members and presenting a grinding angle, and means to exert tension upon the jaw members.

1,463,654. PNEUMATIC JACK. ARTHUR E. McNULTY, Bangor, Me. Filed Mar. 18, 1922. Serial No. 544,706. 6 Claims. (Cl. 138—9.)



6. A jack comprising a cylinder having an air connection, a mounting ring fixed thereto and having a rib, a lifting member detachably connected to said ring and comprising a horizontally disposed lifting surface forked at its inner end to straddle said rib and having a depending bracing portion of inverted V-form, a hollow piston stem within said cylinder having a head closely fitting against the cylinder wall, a standard mounted within said stem and having screw threaded connection therewith permitting the standard to be lengthened or shortened upon rotation thereof relative to said stem, and a longitudinally disposed flange on said stem engaging said cylinder for preventing rotation of said stem within said cylinder.

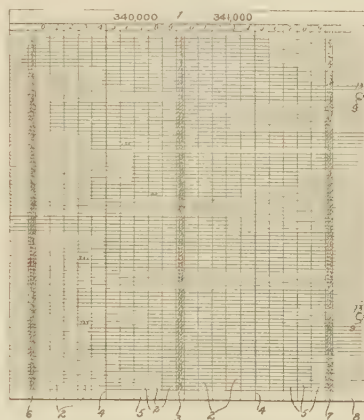
1,463,655. CUSHION CONNECTION FOR VEHICLE SPRINGS. ALFRED F. MASERY and AUGUST H. LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 1, 1922. Serial No. 565,069. 7 Claims. (Cl. 267—30.)



1. In combination with the spring and frame of a motor vehicle, a wholly non-metallic mechanical connection and support interposed between one end of the spring and the frame and comprising a block of non-metallic yielding material engaged with the end of the spring and means secured to the frame and holding the end relatively fixed, within limits, with respect to the frame, and a wholly non-metallic support interposed between the other end of the spring and the frame and comprising a block of non-metallic yielding material engaged with the end of the spring, and means to secure the block to the frame, said block affording free elongation of the spring.

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1,463,656. INDEX FOR NUMBERS. OSBORNE LEE MOORE, Jefferson City, Mo. Filed Jan. 3, 1921. Serial No. 434,643. 4 Claims. (Cl. 283—36.)



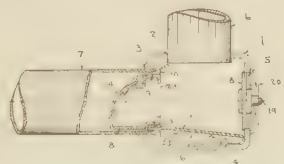
1. A record sheet ruled to provide a series of columns numbered progressively from zero, each column being subdivided into a predetermined number of entry spaces also numbered progressively from zero, each space representing an identifying number the terminal integer of which is, designated by the number of the space and the next preceding integer designated by the number of the column, and a denominating number printed on the sheet and fixing the value of the column numbers.

1,463,657. BUCKLE. NELS T. NELSON, Attleboro, Mass., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Dec. 16, 1922. Serial No. 607,408. 6 Claims. (Cl. 24—265.)



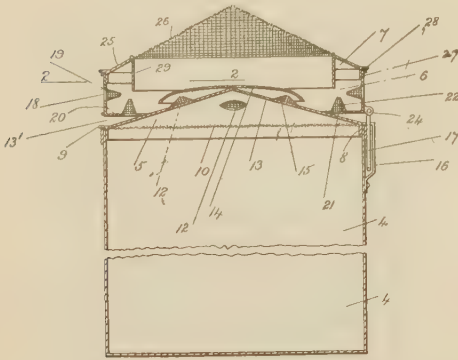
1. A buckle comprising a frame adapted to receive a spindle, a cross-bar mounted in said frame, a readily-removable center bearing spindle therein connecting said cross bar and frame, a strap-engaging tongue mounted to swing on said bar, and an independent resilient gripping member in said bar for frictionally retaining said spindle in said bar.

1,463,658. STEAM-GENERATOR FITTING. JOHN C. PARKER, Philadelphia, Pa. Filed July 29, 1922. Serial No. 578,307. 5 Claims. (Cl. 251—123.)



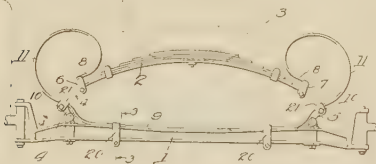
1. In combination with a junction box and a tube set therein, a valve having a body disposed in said tube and a ring segment engaged in said tube and on said body so as to fix the latter in place.

1,463,659. FLYTRAP. JOSEPH M. PAUL, Rice Lake, Wis. Filed Nov. 25, 1921. Serial No. 517,767. 3 Claims. (Cl. 43—120.)



1. A fly trap adapted to form the cover of a garbage can, said fly trap comprising an upper section, a conical lower section which forms the lid of the garbage can, and an intermediate entrance ring provided with entrance trap cones for the flies, said entrance ring having also an annular plate the inner edge of which rests on the conical lower section and forms with it an inlet passage for the flies, said upper and lower sections being also provided with screened openings which permit the scent of the garbage in the can to ascend through the entrance ring and upper section.

1,463,660. SHOCK ABSORBER FOR AUTOMOBILES. ANDREW D. PIGEON, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 531,859. 2 Claims. (Cl. 267—45.)

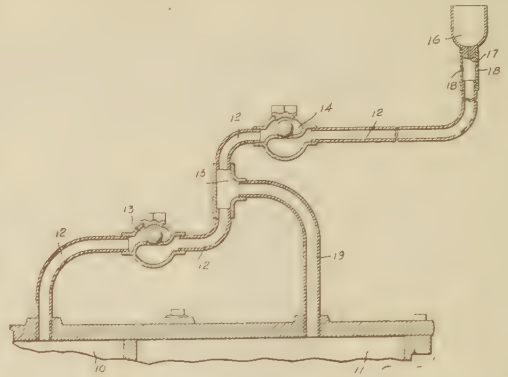


1. In an automobile shock absorber and snubber, a supplemental spring introduced between the axle and the main spring of the vehicle, said supplemental spring arranged to overlie the axle and contiguous thereto between two longitudinally separated points of attachment, two upstanding brackets rigidly associated with the said axle, said brackets each having an eye, a bolt there-through, said bolt arranged to secure a spring-holding clip; said clip being positioned in a plane above or vertically removed from the first mentioned attaching point; the supplemental spring extending upwardly from the said brackets and terminating at a point above both other said attachment points; said uppermost point providing means for supporting the main vehicle spring.

1,463,661. LUBRICATING DEVICE. EDWARD R. BALES, Centrafla, Ill. Filed July 23, 1921. Serial No. 486,963. 1 Claim. (Cl. 184—55.)

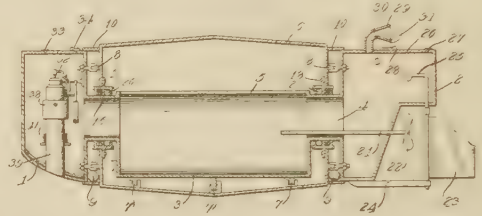
A lubricating system for two-stage air compressor cylinders, comprising an oil cup, a branched pipe line connecting the oil cup with the cylinders, a check valve located between the oil cup and the low pressure cylinder near the latter, a second check valve located between the

high pressure cylinder and the low pressure cylinder, the pipe line between said check valves being vertical so that gravity assists in feeding the oil toward the check



valve next the high pressure cylinder, and a T in vertical position connecting the pipe line between the valves, said T serving as a divider.

1,463,662. LIFE-SAVING BOAT. AUGUST BAUMGART, Lind, Wash. Filed Jan. 18, 1923. Serial No. 613,471. 3 Claims. (Cl. 9—4.)



1. In a device of the class described, a boat having an opening; a door for the opening; weight-actuated means for moving the door to closed position; a latch cooperating with the weight-actuated means to maintain the door in open position; float-actuated mechanism coacting with the latch to release the latch from the weight-actuated means; and a pendulum mounted for swinging movement and coacting with the latch to disengage the latch from the weight-actuated means.

1,463,663. CONTAINER. ARTHUR H. BOSWORTH, Wichita, Kans. Filed Apr. 14, 1921. Serial No. 461,178. 1 Claim. (Cl. 128—200.)



A container comprising a body portion in the form of an open-ended hollow cylinder made of a single piece of seamless metallic tubing, a bead formed integrally

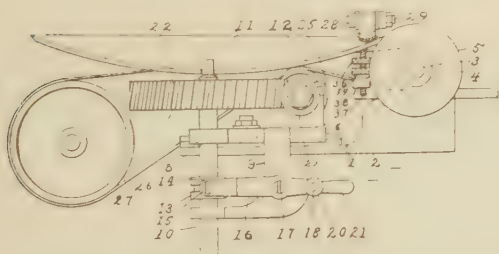
in the body portion adjacent each end, the ends of the tubing being bent or curved to partly close the ends of the tubing and a pair of stamped metallic caps adapted to fit over the ends of the tubing and close the same, said caps adapted to bear against said beads.

1,463,664. FLUE TOP. LEWIS H. BOWMAN, Fenn, Idaho. Filed Feb. 11, 1922. Serial No. 535,860. 1 Claim. (Cl. 98—3.)



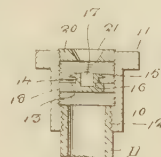
In a flue top, the combination with a flue, of a support mounted therein, said support comprising a pair of rectangular frames disposed one within the other and positioned at right angles to each other, the upper portion of one of said frames having laterally extending flanges adapted to engage the upper edge of the flue, said frames being arranged to frictionally engage the inner walls of the flue, a shaft extending through the end portions of said frames, a vane rotatably mounted on the shaft and comprising long and short arms, the short arm having lateral ears, a flue top of arcuate shape in cross-section fastened to the ears and disposed at an acute angle to the flue and overlying the upper end of the flue, a transverse brace secured to the vane and having its opposite ends secured to the opposite sides of the top, said top extending downwardly and laterally a substantial distance below the upper end of the flue, thereby inducing a draft in an upward direction over the upper end of the flue.

1,463,665. DISK-SHARPENING MACHINE. JOHN E. BRITTAIN, Guilford, Mo. Filed July 26, 1921. Serial No. 487,789. 5 Claims. (Cl. 76—85.)



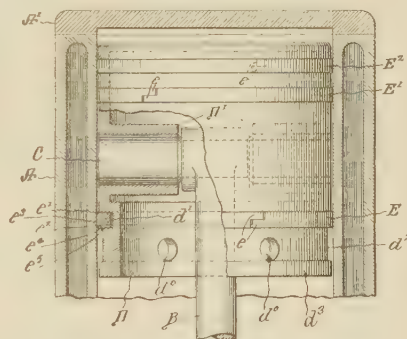
1. A base for supporting a grinding machine; a grinding wheel rotatably mounted on said base; a table mounted on said base for slidable movement from and toward said grinding wheel; securing means whereby said table is secured in its various positions; bearing brackets formed with and projecting from one of the edges of said table; a vertically disposed disk shaft rotatably mounted in the extremities of said brackets; worm gear driving means mounted on said table and shaft whereby said disk shaft is slowly rotated; a square portion formed on the upper end of said shaft for receiving and loosely holding a disk thereon with the edge of said disk in contact with the peripheral surface of said grinding wheel; a rotatably mounted roller for pressing the contacted portion of the edge of said disk upon said grinding wheel; a spring for actuating said roller to press upon said disk; and adjusting means whereby the tension of said spring is adjusted.

1,463,666. SPRINKLER HEAD. WILLIAM A. BUCKNER, Fresno, Calif. Filed May 28, 1921. Serial No. 473,437. 1 Claim. (Cl. 299—119.)



A device of the character described comprising a body adapted for connection with a water conducting pipe and formed with a threaded bore, a disc threaded within said bore and formed with a plurality of slots inclined with respect to the longitudinal axes of the body, said slots being arranged in pairs and the slots of one pair being of greater length than the slots of the other pair whereby to extend nearer to the center of the disc, a reduced extension on one side of the disc having a flange, and a plug threaded within the upper end of the bore and having a central hole, said disc being disposable with said reduced extension extending upwardly whereby to produce a circular spray, and said disc being disposable with said reduced extension extending downwardly and with the plug in close engagement with the opposite side of the disc whereby to cover the shorter slots.

1,463,667. METALLIC PISTON AND PISTON-PACKING RING. JAY EDGAR BUTLER, Baltimore, Md., assignor to Victor Piston Ring Co., Baltimore, Md., a Corporation of Maryland. Filed June 6, 1921, Serial No. 475,415. Renewed July 31, 1922. Serial No. 578,847. 2 Claims. (Cl. 74—109.)

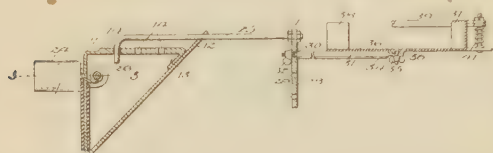


1. The combination with a cylinder, of a piston adapted to reciprocate therein, said piston being provided with an annular groove on the exterior thereof, rectangular in cross section, and a packing ring substantially rectangular in cross section mounted in said groove, said ring being provided with an annular cut in its rear face to form an annular scraping edge on its rear outer face, said cut having its outer wall in the form of a hollow truncated cone, and its inner wall cylindrical, the said inner wall being located radially exterior to the circumference of the piston immediately in rear thereof, whereby an outwardly projecting annular shoulder is provided, substantially as and for the purpose described.

1,463,668. BOOKHOLDER. MAURICE J. CAFFREY, New York, N. Y. Filed July 6, 1922. Serial No. 573,067. 1 Claim. (Cl. 45—82.)

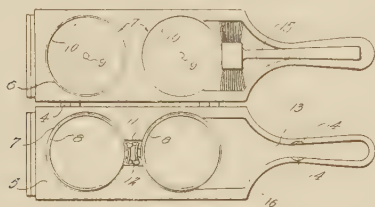
A book support comprising in combination, an attaching means in the form of a clamp, a substantially triangular bracket carried by said clamp, said bracket having a plurality of openings in one of its walls and a projecting wall provided with a plurality of serrations, an arm adapted to be received in one of said serrations, said arm

having a right-angular extension adapted to be received in one of the openings of the wall of the bracket, a vertically disposed arm dependent from the free end of said first-mentioned arm and provided with a plurality of openings,



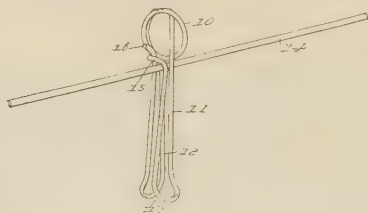
a rigid arm carried by said vertical arm and adapted to be secured in one of said openings, and a book-supporting member carried on the last-mentioned arm and adjustably secured thereto in a horizontal plane.

1,463,669. FOLDING SHOEBRUSH. GEORGE W. CAMPBELL, Fort Laramie, Wyo. Filed Aug. 25, 1920. Serial No. 405,799. 1 Claim. (Cl. 15—105.)



A blacking set comprising a two part casing, each part consisting of an elongated body having a complemental handle portion extending longitudinally from one end thereof, said two parts being hingedly connected together whereby the handle portions align and contact when the parts are arranged in closed position, one part having a recess in its face which registers with a corresponding recess in the face of the other part to provide a chamber to receive a can of polish therein, one of said parts having an instrument receiving recess therein communicating with its first named recess and extending longitudinally in its handle portion, and the handle portion of the other part being adapted to contact with an instrument received in the recess of said handle portion to prevent movement or vibration of the instrument when the two parts are closed.

1,463,670. CLOTHESPIN. PAUL CAMPBELL, San Antonio, Tex. Filed May 16, 1922. Serial No. 561,395. 3 Claims. (Cl. 24—139.)

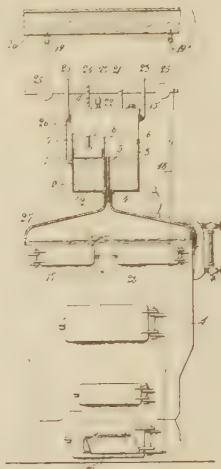


1. A metallic clothes pin consisting of a single blank of wire doubled upon itself and coiled at its center to form a spring eye and having its sides extended radially from the eye and looped to form opposing jaws which are spring impelled toward each other by the eye, with the terminal of one of the sides angularly deflected from the plane of the eye to form an entrance throat to the loops constituting said jaws.

1,463,671. AUTOMATIC DRAFT REGULATOR. VERNON BEAUFORD CARR and SAMUEL HERBERT BROSHAR, Lebanon, Ind. Filed Dec. 8, 1921. Serial No. 520,977. 1 Claim. (Cl. 236—31.)

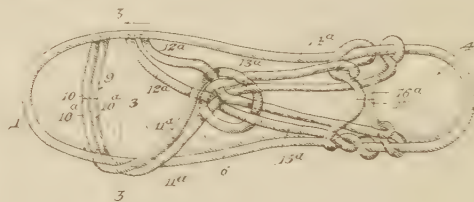
The combination with a furnace having a boiler, a draft door and a check door, of a casing having two compartments therein in communication with each other at their

lower ends and having a fluid therein, a pipe connecting said boiler with one of said compartments, a float in the other compartment, and means operatively connecting said draft and check doors to said float, said means comprising a bifurcated rod supported on said float, said rod having a plurality of spaced apart holes extending transversely



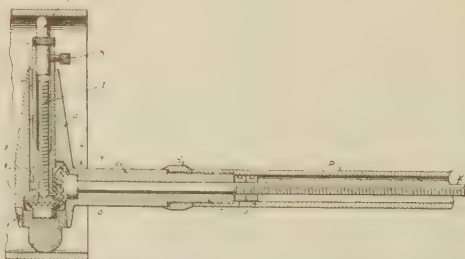
therethrough, a lever pivotally mounted intermediate its length on said casing and having an opening therethrough, a pin arranged to be received in the opening of said lever and in one of the openings in said rod, and cables connected at one end with said lever and with said check and draft doors respectively.

1,463,672. SANDAL. PHYLLIS CARRINGTON, New York, N. Y. Filed Feb. 16, 1922. Serial No. 536,939. 5 Claims. (Cl. 36—1.)



1. A sandal comprising a sole member, a foot-engaging padded surface, a marginal attaching strand fast to the sole, and pairs of strands located across the toe of the sole, then continued rearwardly across the instep and there interwoven, and from thence continued as two pairs of strands to the sides of the insole and forming a heel loop extending about the heel to retain the sandal from displacement.

1,463,673. MICROMETER GAUGE. CHARLES A. CLASE, Portland, Oreg. Filed Sept. 20, 1921. Serial No. 501,969. 6 Claims. (Cl. 33—164.)



5. In a micrometer gauge the combination of, a handle provided with a measuring head perpendicular to said handle and rigidly secured thereto, a micrometer screw

carried by said handle, a second micrometer screw extending longitudinally of said head, means for transmitting the rotary motion of said first mentioned screw to said second mentioned screw, a sleeve threaded on the latter screw, such sleeve carrying a contact point, and means for holding the sleeve against rotating.

1,463,674. COMPOSITION FOR IMPREGNATING WOOD AND PROCESS OF PREPARING IT. GEORGE COESTER, Brunswick, Ga., assignor to Georgia Vita Ligno Co., Brunswick, Ga. Filed Nov. 26, 1919. Serial No. 340,882. 5 Claims. (Cl. 134—78.6.)

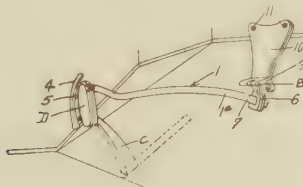
5. A process for preparing a fluid mixture for the purpose of impregnating wood consisting in mixing coal oil, bone oil and crude carbolic acid together, boiling the mixture, and condensing the resulting vapors, said fluid when used as a primary coat leaving a heavy residuum in the condensing vat for use as a finishing coat over the dried primary mixture, said ingredients being combined in substantially the proportions stated.

1,463,675. CRUTCH SEAT. HAMILTON DUDLEY COLEMAN, near Biloxi, Miss. Filed Sept. 22, 1922. Serial No. 589,842. 4 Claims. (Cl. 135—49.)



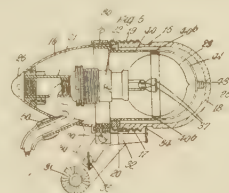
1. A crutch, having spaced bands carried thereby; means whereby said bands are held against creeping on the crutch, a seat pivoted to the upper band, a brace pivoted to the lower band, and means for interlocking the seat and brace, substantially as described.

1,463,676. PEDAL LOCK. GEORGE E. CUSTER, Stoyestown, Pa., assignor to Custer Manufacturing Company, Stoyestown, Pa., a Corporation of Pennsylvania. Filed Feb. 21, 1921. Serial No. 446,631. 8 Claims. (Cl. 74—81.)



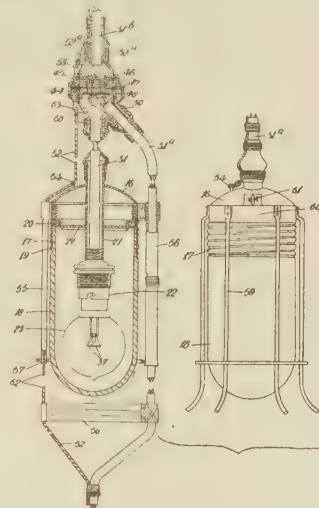
4. In combination with a clutch lever, a sleeve suspended for swinging movement toward and away from the lever, and a locking bar slidable through the sleeve and pivoted to the lever, the movement of the sleeve in one direction being limited.

1,463,677. AIRCRAFT LAMP. ALBERT LEWIS DAVIS, Kingsway, London, England, assignor to Vickers Limited, Westminster, London, England. Filed Aug. 8, 1922. Serial No. 580,480. 6 Claims. (Cl. 240—1.)



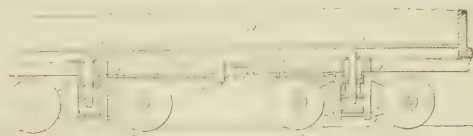
1. In a navigation light for aircraft, comprising a lamp, a transparent dome within which the lamp is enclosed, a lamp casing provided with a socket for the dome, a tubular mask carried by the lamp casing and a reduced portion thereof closely encircling the lamp, said portion being spaced from the socket, and water-tight means interposed between the dome and mask when the dome is in position in the socket.

1,463,678. AIRCRAFT LAMP. ALBERT LEWIS DAVIS, Kingsway, London, England, assignor to Vickers Limited, Westminster, London, England. Original application filed Aug. 8, 1922, Serial No. 580,480. Divided and this application filed May 26, 1923. Serial No. 641,758. 4 Claims. (Cl. 240—1.)



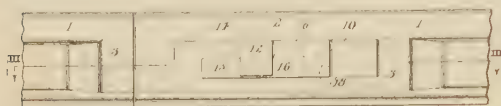
1. In a navigation light for aircraft comprising lights arranged one above the other, the upper light having a body piece carrying a dome and lamp, guide tubes carried by said body piece, a gauge ring secured to the guide tubes adjacent the lower ends thereof, and cables passing through said guide tubes for suspending the lower light.

1,463,679. AUTOMATIC TRAIN STOP. EMILIO DE LEON, Remedios, Cuba. Filed July 3, 1922. Serial No. 572,416. 6 Claims. (Cl. 246—170.)



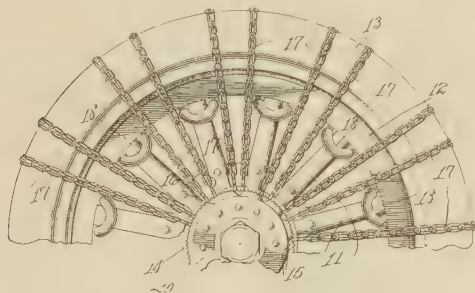
1. In an automatic train stop, an element rigid with a truck of the train to partake of turning and tilting movements of the truck, a train pipe valve, and a longitudinally movable valve opening rod, the said element on the truck being turnable with the truck independently of the said rod and arranged to cause a longitudinal movement of the rod upon a tilting of the truck.

- 1,463,680. RAIL SCARF JOINT. JOZSEF DOKTOR, St. Clairsville, Ohio. Filed Mar. 15, 1923. Serial No. 625,264. 4 Claims. (Cl. 238—232.)



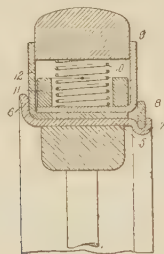
1. In a rail joint, meeting rail ends, each carrying a scarf extension having a pair of transverse openings through the web portions thereof, a shoulder and offset block carried by the inner face of the scarf extension adjacent the forward end thereof to be received in a cooperating opening of the other scarf extension, and means for locking the interlocked scarf extensions.

- 1,463,681. ANTISKID CHAIN. BERNARD J. DUEHR, Big Island, Va. Filed Feb. 13, 1923. Serial No. 618,773. 3 Claims. (Cl. 152—14.)



1. An anti-skid device including a plurality of flexible elements arranged to be engaged with the tire and spokes of a wheel and provided with terminal attaching means, and a hub encircling ring with which the said attaching means are detachably engaged.

- 1,463,682. RESILIENT WHEEL. MICHAEL JOHN DUFFY, Brooklyn, N. Y. Filed June 10, 1920. Serial No. 387,920. 1 Claim. (Cl. 152—8.)

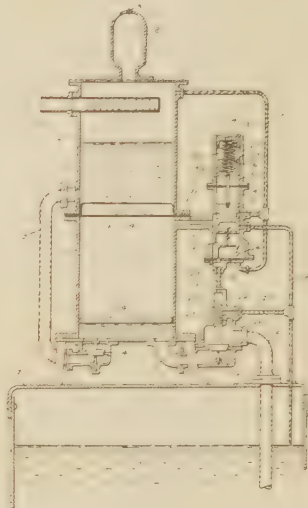


A resilient wheel comprising in combination with a wheel body and its felly band, a plurality of members substantially L-shaped in cross section adapted to inter-engage each other to form a channel, a plurality of blocks mounted in the base of said channel, said blocks each having a centrally disposed open portion, a resilient member mounted in the open portion of each of said blocks, a resilient tread element mounted on said resilient members, and means carried by the felly band for maintaining said substantially L-shaped members in the channel-forming position.

- 1,463,683. LIQUID-FEEDING DEVICE. LEONID A. DUNAJEFF, New York, N. Y. Filed July 18, 1921. Serial No. 485,659. Renewed June 19, 1923. 19 Claims. (Cl. 137—101.)

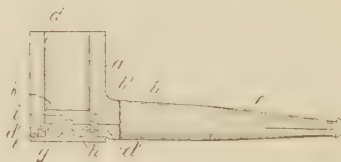
1. In a liquid feeding device, the combination with a tank, a pipe connecting said tank with a source of a liquid, an intake valve on said pipe, a pipe connecting

the lower portion of said tank with a receptacle for said liquid, an exhaust valve on said pipe, an exhaust pipe for the elastic fluid inside of said tank, an intake pipe for



the compressed elastic fluid, and a means to control the connection of said pipes for said elastic fluid, said means being controlled by said exhaust valve.

- 1,463,684. TOBACCO PIPE. ALFRED DUNHILL, London, England. Filed Aug. 25, 1921. Serial No. 495,250. 1 Claim. (Cl. 131—12.)

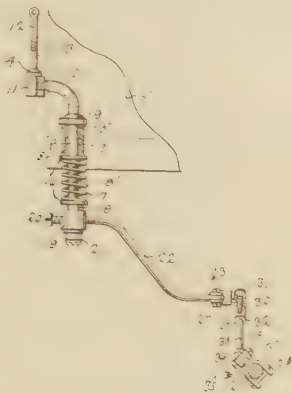


A tobacco pipe comprising a bowl portion having a bore extending completely therethrough, a stem joined with said bowl having a smoke passage communicating with said bowl, a ring fixed in the lower end of said bore having slots in the inner periphery of said ring with cam surfaces on the upper edge of said ring, a removable fitting adapted to fit into said ring, said fitting comprising a base plate having an outer cylindrical wall forming a snug fit in said ring, pins on said wall engaging said slots and cam surfaces of the ring, a central shank extending up from the base plate, an apertured plate carried on said shank, the apertured plate being located in a plane above the smoke passage in the stem, substantially as described.

- 1,463,685. HEADLIGHT. CHARLES H. FISHER, Carrollton, Ohio. Filed July 27, 1922. Serial No. 577,960. 1 Claim. (Cl. 240—62.)

In a dirigible headlight, a bracket having a vertically disposed collar thereon, a post mounted in said collar, an annular stop flange formed on the post above the collar, oppositely disposed flanged bearing sleeves disposed in the collar against said post, the flanges of the bearing sleeves engaging the upper and lower ends of the

collar, washers disposed on the post below the collar, an expansion spring coiled about the post between the



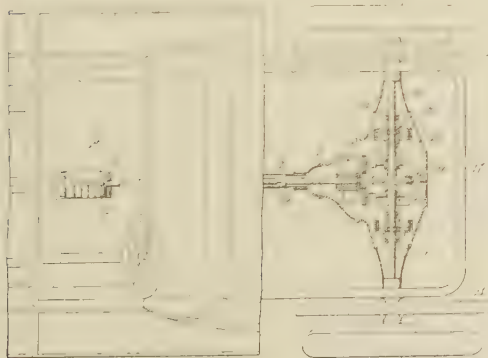
washers, a crank arm connected to the post at the lower end thereof, and an adjustable nut threaded upon said post and engaging the lowermost washer.

1,463,686. BORING HEAD. JOHN H. FREY and JOHN N. KAISER, Erie, Pa. Filed Aug. 29, 1921. Serial No. 496,776. 2 Claims. (Cl. 279—8.)

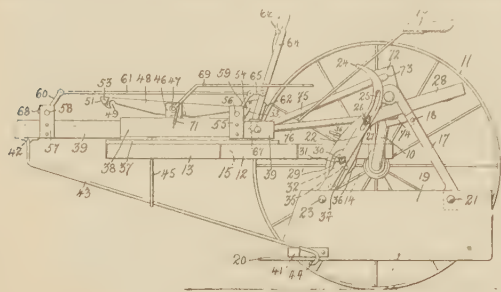


1. An adjustable tool holder comprising a cylindrical casing, a ring arranged within said casing for rotation and having an elongated slot, a tool holder passed through said slot, means for associating the tool holder with the ring for rotation therewith, a plate arranged within the casing and having a spiral groove, a spring pressed dog carried by the tool holder and movable within said groove, whereby said tool holder is moved within said slot and across the ring in either direction incident to the rotation of the ring, and means for locking said parts fixed relatively in a set position.

1,463,687. VEHICLE DRIVING MECHANISM. LOU M. GARDINER, deceased, by May Durling Gardiner, administratrix, Oakland, Calif. Filed June 16, 1922. Serial No. 568,892. 7 Claims. (Cl. 74—36.)

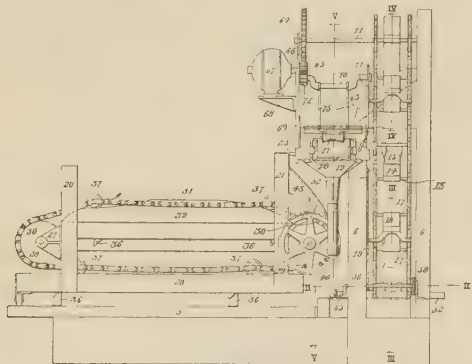


draft tongue in its forward and rearward positions, an excavating bucket, means for suspending said bucket from said axle portion, whereby when the draft tongue is in



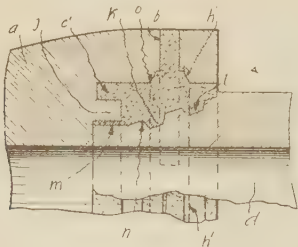
its rearward position the bucket will be disposed in excavating position and when the draft tongue is in its forward position the bucket will be disposed in load transporting position.

1,463,691. SAND-HANDLING APPARATUS. JOSEPH GRUNT, Cleveland, Ohio. Filed Jan. 6, 1922. Serial No. 527,491. 7 Claims. (Cl. 22—35.)



1. In a sand handling machine of the class described, a mold filling spout, means to deliver predetermined quantities of sand to said spout intermittently, sand sifting mechanism beneath said delivering means, means to elevate the sifted sand to said delivering means, and scooping mechanism to deliver unsifted sand to the sifting mechanism.

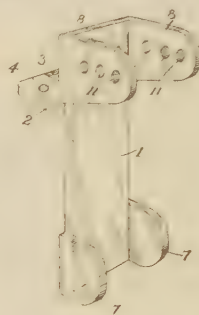
1,463,692. INVISIBLE PIPE JOINT. GUSTAV HAIL, Portland, Oreg. Filed Dec. 2, 1921. Serial No. 519,410. 1 Claim. (Cl. 285—118.)



In a conduit made in sections, the end of one section being tapered and then extended coaxially with the body portion of said section, the tapered portion being formed with annular grooves, the end of the opposite section being enlarged and provided with a receiving recess greater in diameter than the maximum diameter of the adjacent section and adapted to receive the tapered portion thereof, the end wall of the recess forming an abutment for the end of the adjacent tapered section and having an annular flange which overlies and is spaced

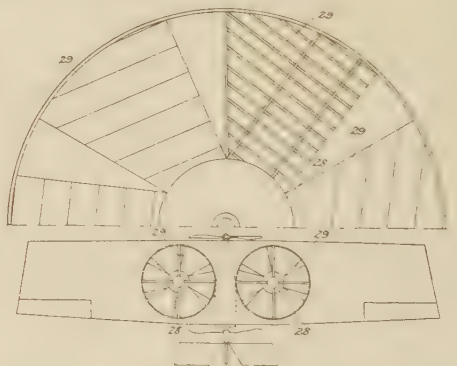
from the extended portion of said adjacent section, the enlarged portion of the section having a filling opening, and sealing material in the cavity formed between the tapered end and the enlarged end of the two sections to seal and hold the two sections together.

1,463,693. BRAKE IRON. SAMUEL L. HALL, Cushing, Okla. Filed Aug. 14, 1922. Serial No. 581,708. 3 Claims. (Cl. 188—221.)



3. The combination with a brake beam, an iron, a bracket on the iron, a pair of bolts securing the bracket on the beam, a pair of parallel tongues at the upper end of the iron, a pair of parallel tongues at the lower end of the iron, a brake shoe located against the iron and between the tongues and having an opening therein, one pair of said tongues having a series of openings therein, and a securing device projecting through openings in the said tongues and through the opening in the shoe whereby the position of the shoe may be adjusted relative to the iron.

1,463,694. AEROPLANE. GEORGES HAMEL, Les Aydes, France. Filed Apr. 4, 1922. Serial No. 549,576. 2 Claims. (Cl. 244—15.)



1. An aeroplane having fixed planes, a plurality of elevating devices operative in the body of such planes, with the line of thrust thereof arranged in a plane passing vertically through the center of gravity of the aeroplane, pressure shutters below said devices, suction shutters above said devices, each respective set of shutters forming a continuation of the adjacent surface of the plane when such shutters are closed, and means for controlling the degree of opening of said shutters at will.

1,463,695. DETACHABLE WHEEL AND THE LIKE. JOHN HANMAN, London, England, and GEORGE HAZELTON, Portadown, Ireland. Filed May 24, 1920. Serial No. 383,891. 2 Claims. (Cl. 301—9.)

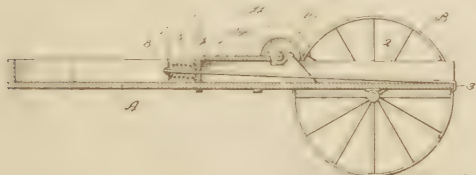
1. A locking construction for detachable wheels including an outer ring-like shell having an abutment shoulder at its inner end, lugs carried by the shoulder

for engaging with recesses on the wheel hub, and an inner member concealed within the shell and having a sliding non-rotative engagement therewith, a spring arranged between the inner member and the ring-like shell



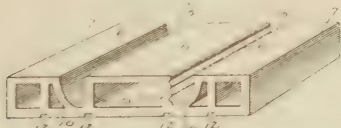
for maintaining the same in proper relative position and the said inner member being provided with a closed end wall carrying at its inner side an inwardly projecting cup-like member provided with mutilated threads on the outer face thereof.

1,463,696. WIRE REEL. HENRY J. HANSON, Thor, Iowa. Filed Sept. 23, 1922. Serial No. 590,149. 2 Claims. (Cl. 242-92.)



1. In a wire reel, the combination with a wagon including a bed and wheels, of a carrying box, rods extending through said carrying box and engaging the wagon bed, springs coiled about portions of said rods for establishing yieldable connection between the carrying body and wagon bed, means for tensioning said springs, a wire receiving reel carried by said carrying body, and means for rotating said reel by rotation of the wagon wheels.

1,463,697. CHANNEL BRICK. ARTHUR HARDONCOURT, New York, N. Y. Filed Dec. 8, 1922. Serial No. 605,663. 4 Claims. (Cl. 72-41.)

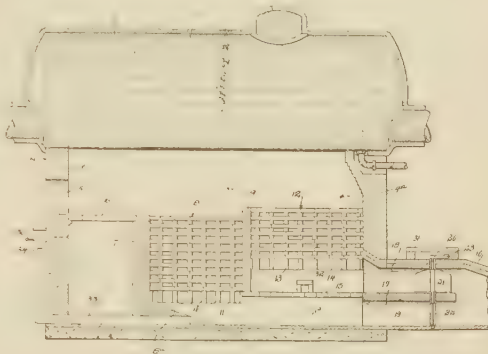


1. A channel-brick having two substantially parallel channels which are relatively deep and leave only webs between the bottom of the channels and the bottom of the channel brick, corrugations on the channel brick at the inner sides of the channels, the channel brick at the outer sides of the channel being curved downwardly and inwardly to the inner sides of the channels so that the channel brick at the channels will be strong and the channels at their upper portions will be relatively narrow while sufficient to permit a mason to introduce his fingers while partially closed into one of the channels without striking his knuckles against the outer walls of the channels, the channel brick having load-bearing portions between and at the outer sides of the channels.

1,463,698. OIL STILL. PHILIP HEFFLER, Pittsburgh, Pa., assignor of one-half to Harry C. Simmons, Craf-ton, Pa. Filed Jan. 28, 1922. Serial No. 532,352. 5 Claims. (Cl. 110-56.)

1. In an oil still, a casing provided with an opening for entrance of the products of combustion from a furnace, a container supported in the casing and above

said opening, checkers within the casing beneath the container, and means for causing the products of com-



bustion to flow through either of the checkers, selectively, and for causing air to flow upwardly through the other checker.

1,463,699. TOWING TONGUE. WILLIAM D. HENRY, Greenville, Ill. Filed Feb. 25, 1922. Serial No. 539,175. 3 Claims. (Cl. 280-33.55.)



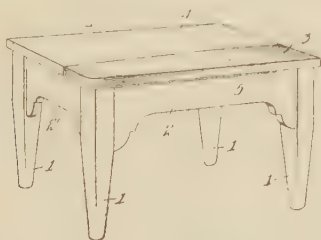
1. In a towing tongue, a pole, a clevis adjustably connected to one end of said pole, axle engaging clamping means carried by the opposite end of said pole, a sheave pulley adjustably connected to said pole, a flexible member extending about said pulley and adapted for connection with a vehicle to be towed.

1,463,700. WINDOW-OPERATING DEVICE. AUGUST HEYMAN, New York, N. Y. Filed Mar. 14, 1922. Serial No. 543,615. 2 Claims. (Cl. 268-4.)



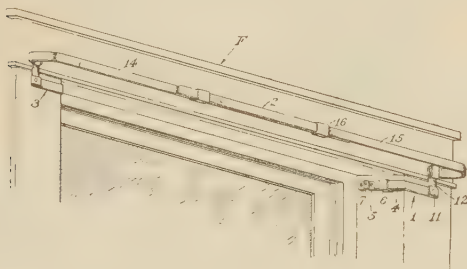
1. The combination with a window frame and a pair of vertically slidable sashes in the frame, of vertically aligned brackets fixed to the upper ends of the sashes, an arm fixed to the upper bracket, a depending threaded socket member integral with the arm, an operating rod having its upper end screwed into the socket, a handle at the lower end of the rod, and means integral with the other bracket guiding the movement of the operating rod.

1,463,701. KITCHEN TABLE. ABNER T. HOLTON, High Point, N. C. Filed Oct. 4, 1920. Serial No. 414,547. 7 Claims. (Cl. 68—10.)



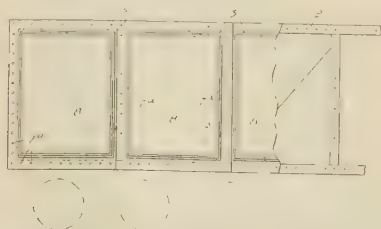
1. A table having legs and a top, the latter comprising a fixed portion and a movable leaf, a stationary rod extending transversely of the leaf and pivotal and sliding connections between the rod and the leaf whereby the leaf may have sliding and swinging movement relative to the rod, substantially as set forth.

1,463,702. COMBINED CURTAIN SUPPORT AND SHADE HOLDER. JOSEPH W. JOHNSON and JOHN W. NOLDE, Newburgh, N. Y. Filed Nov. 1, 1921. Serial No. 511,991. 1 Claim. (Cl. 156—24.)



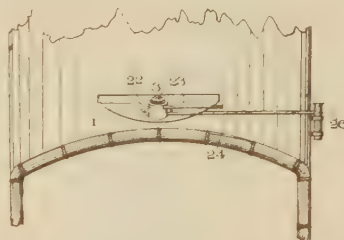
A bracket comprising a frame engaging section consisting of an L-shaped member forming an inner and an outer arm, a rearwardly extending supporting member having an apertured bow-shaped portion intermediate its ends and an apertured inner terminal, means for slidably connecting said supporting member to said inner arm, said outer arm having its outer terminal portion folded upon itself, a vertically disposed member secured between said folded outer terminal portion and having its upper terminal portion bent upon itself to provide a support for the reception of one end of a curtain support.

1,463,703. COMPOSITE CAR FRAMING. BYERS W. KADEL, Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 26, 1921. Serial No. 495,636. 7 Claims. (Cl. 105—405.)



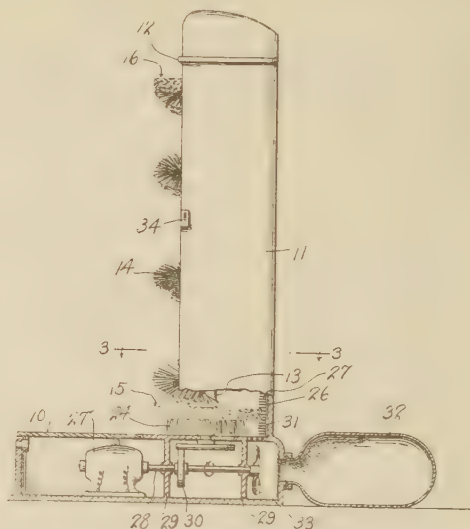
1. In a railway car, the combination with a metallic load carrying frame, of wall members, said wall members including a plurality of plate like elements each of which comprises a single metallic frame section and a composite filler, said composite filler terminating short of the surrounding marginal edges of said metallic frame section.

1,463,704. WINDSHIELD. LESLIE HARCOURT KENT, Stanmore, and SAMUEL AUGUSTINE DE NORMANVILLE, London, England. Filed Apr. 16, 1920. Serial No. 374,443. 4 Claims. (Cl. 20—40.5.)



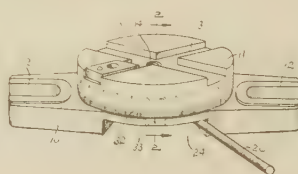
1. A clear view windshield for an aeroplane or other fast moving vehicle, including a transparent disc and a wind mill operatively connected therewith for rotating the same, said disc and said wind mill being mounted for rotation about a common axis.

1,463,705. BRUSHING MACHINE. HENRY M. KEITH, West Frankfort, Ill. Filed Mar. 27, 1922. Serial No. 547,052. 7 Claims. (Cl. 15—7.)



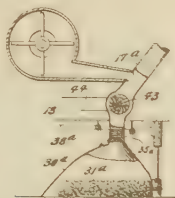
2. A machine of the character described comprising a base, a casing rising therefrom and open at one side, a rotatable shaft operating in said casing, a flexible brush wound spirally about said shaft, and means for rotating said shaft for the purpose specified.

1,463,706. SWIVEL. W LE ROY KETCHUM, Bridgeport, Conn. Filed Jan. 20, 1921. Serial No. 438,806. 5 Claims. (Cl. 90—59.)



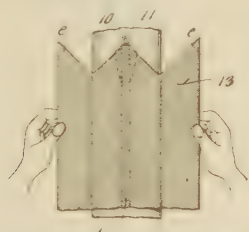
1. A device of the character described, comprising a base having a beveled, circumferential face and provided with an opening arranged concentrically with respect to said beveled, circumferential face, a holder having a correspondingly beveled, circumferential face and provided with a threaded stud adapted to rotatably and slidably fit said opening, a hand wheel located in the base and adapted to engage the thread of said stud, and upper and lower bearing surfaces for said hand wheel.

- 1,463,707. STREET-CLEANING MACHINE. WESLEY N. KOGER, Philadelphia, Pa. Filed May 4, 1920. Serial No. 378,887. 1 Claim. (Cl. 15—11.)



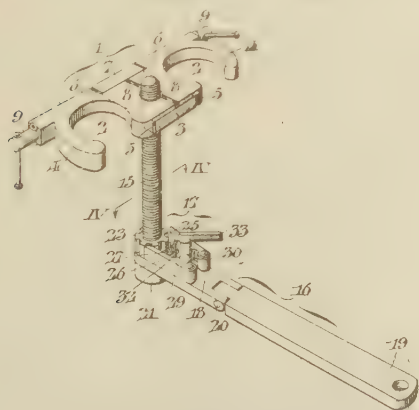
A street cleaning machine comprising a vehicle, a conduit passing through the rear end of the vehicle and being obliquely disposed with its upper end rearwardly inclined, an extension secured to the lower end of the conduit, a blower mounted for operation on the chassis of the vehicle, a discharge pipe establishing communication between the blower and the conduit through the medium of the extension, a hood flexibly secured to the extension, a flexible shaft mounted for rotation in said hood, a pair of converging brushes rotated from the flexible shaft, means for raising or lowering the flexible shaft and the hood simultaneously and a rotary fan carried in the lower end of the conduit as and for the purpose specified.

- 1,463,708. METHOD FOR MAKING REENFORCED INNER TUBES FOR TIRES. JOSEPH A. McLANE, Morgantown, W. Va., assignor to The Armco Rubber Company, Morgantown, W. Va., a Corporation of West Virginia. Filed June 12, 1920. Serial No. 388,491. 14 Claims. (Cl. 154—14.)



1. A method of fabricating tire tubes, including applying about a mandrel a sheet of rubber having substantially parallel cords embedded therein, by arranging said sheet to have the cords therein extend substantially transversely from one side of the tread zone, about the rim portion and terminating at the opposite side of the tread zone, and in applying a layer of material about the mandrel to complete the tube.

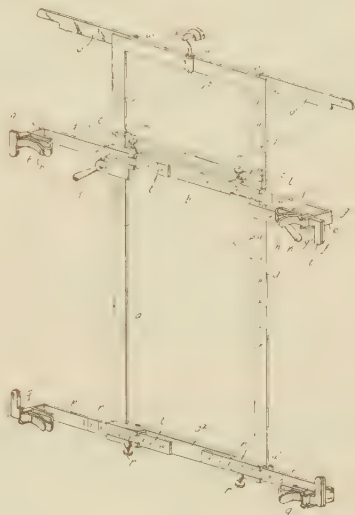
- 1,463,709. VALVE-SPRING LIFTER. FREDERICK T. MARTIN, Merion, Pa., assignor of one-half to John J. Gallagher, Merion, Pa. Filed Jan. 5, 1922. Serial No. 527,073. 8 Claims. (Cl. 29—86.3.)



1. A tool of the character described comprising relatively movable means for adaptation to different valve

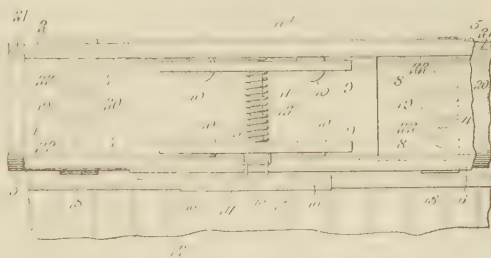
spacings, and means for forcibly and simultaneously moving said means subsequent to adaptation, for the purpose set forth.

- 1,463,710. PHOTOGRAPHIC FILM AND PLATE HOLDER. RALPH CHARLES MATSON, Portland, Oreg. Filed Apr. 25, 1921. Serial No. 464,149. 5 Claims. (Cl. 95—100.)



1. A photo plate and film holder comprising a rectangular frame, an intermediate adjustable cross-bar movably supported on the two sides of the frame, extension arms carried by one end of said intermediate adjustable cross-bar and the corresponding end of the cross-bar constituting one end of the frame, and holding clamps on the extremities of said extension arms.

- 1,463,711. ADJUSTABLE CURTAIN CARRIER. HAROLD N. MAY, New Orleans, La. Filed July 24, 1922. Serial No. 577,113. 2 Claims. (Cl. 296—47.)



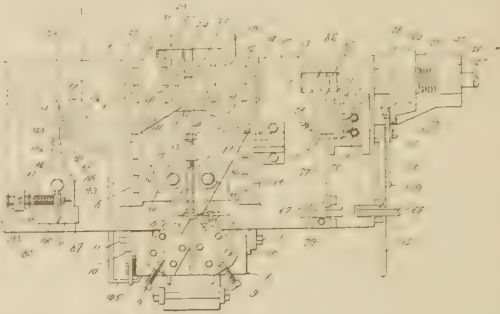
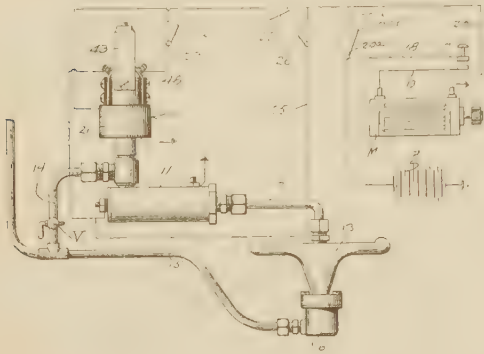
1. In a device for the purpose set forth, the combination of telescoping sections having rails formed therein, a carriage adapted to rest between the rails and comprising upper and lower bars, rollers secured to the bars, a post extending from one to the other of the bars, a compression spring surrounding the post and bearing at its ends against the bars to force the rollers against the rails, and a clip permanently secured to the lower bar and adapted to receive a storm curtain.

- 1,463,712. PRIMING DEVICE. ALBERT R. MEAD, Newark, N. J. Filed May 28, 1921. Serial No. 473,454. 3 Claims. (Cl. 123—180.)

1. In a priming device, a priming charge heater, a casing having an inlet and an outlet, the latter communicating with the priming charge heater, a valve nor-

mally preventing communication between the inlet and outlet, means for shifting the valve to permit such com-

the coupling means will become effective subsequent to the opening of the circuit; and a chain pressing device

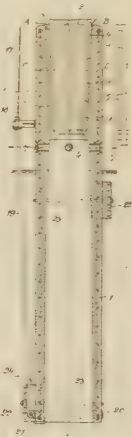
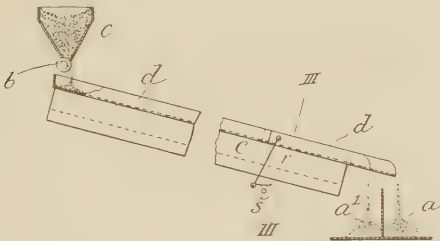


munication, means operated by the shifting of the valve for admitting air to the casing and for energizing the priming charge heater.

connected operatively with the driven element and operating whilst the chain is in the field of the heating mechanism.

1,463,713. ELECTROMAGNETIC SEPARATION OR CONCENTRATION OF MINERALS. WILLIAM MORRIS MORDEY, Westminster, England. Filed Apr. 2, 1920. Serial No. 370,865. 13 Claims. (Cl. 83—71.)

1,463,715. BASE FOR POSTS, FLAGSTAFFS, AND THE LIKE. JÖNS MÖHLOW, Malmö, Sweden. Filed May 10, 1922. Serial No. 559,885. 14 Claims. (Cl. 72—84.)

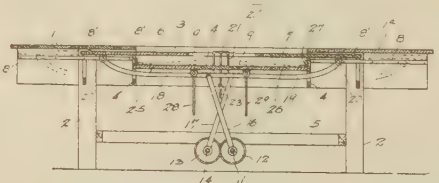


1. The herein described method of effecting the electro-magnetic separation or concentration of finely divided mineral matter, said method consisting in causing such matter to pass longitudinally over a relatively long and narrow support arranged adjacent to the longitudinal and parallel poles of an alternating current multiphase electro-magnet and subjecting the stream to the action of the multiphase moving magnetic field set up by the said electro-magnet transversely to the said stream and support, the said support being of such length that material that is responsive to the action of such a magnetic field will become separated from the material that is not responsive to such field, and be gradually swept in a lateral direction by such moving magnetic field to one longitudinal side portion of the said support whilst the inert matter will be caused gradually to move in the opposite lateral direction to another longitudinal portion of the said support, the responsive matter and the inert matter being divided into separate streams that are separately discharged from said support.

2. A base for posts, comprising a sleeve formed with a tapered interior at the upper end for receiving the tapered end of a post and also formed with channels communicating with the atmosphere below the end of the post extending along the tapered portion and opening through the upper end thereof.

1,463,714. CHAIN-WELDING MACHINE. JACOB LUDWIG MUELLER, York, Pa. Filed Apr. 22, 1921. Serial No. 463,439. 29 Claims. (Cl. 219—5.)

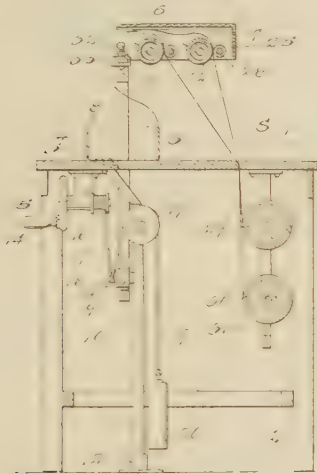
1,463,716. PACKAGE-WRAPPING MACHINE. WILLIAM B. MUNN, Memphis, Tenn., assignor of one-half to Merrill Jacobs, Memphis, Tenn. Filed Jan. 3, 1922. Serial No. 526,651. 9 Claims. (Cl. 93—2.)



12. In a chain welding machine, an electrical heating mechanism; a circuit for said mechanism; a driving element; a driven element; means for coupling said elements together; means under the control of an operator for opening the circuit; a lost motion connection between the last specified means and the coupling means, whereby

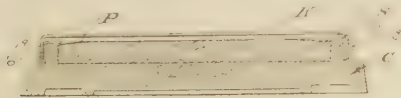
1. The combination with a table having a depressed shelf to receive a paper sheet, of a pair of longitudinally reciprocable slide leaves adapted to be positioned above said shelf to receive and temporarily support a load, and means for supporting said load as the leaves are withdrawn from supporting position.

- 1,463,717. CONVERTIBLE WORKTABLE. WILLIAM B. MUNN, Memphis, Tenn, assignor of one-half to Merrill Jacobs, Memphis, Tenn. Filed May 16, 1922. Serial No. 561,326. 3 Claims. (Cl. 211—11.)



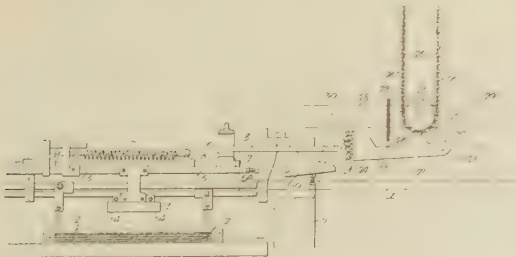
3. The combination with a table top having an opening and a removable panel, a lifttable panel and operating means therefor, of a cutter supported on the lifttable panel, a paper roll supported below said table top, the paper of said roll passing through a slot between the table and the removable panel, and means located within the lifttable panel for retaining the free end of said paper roll.

- 1,463,718. STAMP PAD. WHITNEY K. MUNSON, Los Angeles, Calif., assignor to Mun-Kee Products Corporation, Los Angeles, Calif., a Corporation of California. Filed Dec. 3, 1921. Serial No. 519,649. 5 Claims. (Cl. 91—54.5.)



3. A stamp pad comprising a container, a flange formed on the container and arranged to provide a pad receiving pocket, a retention member removably embracing the flange and having a portion thereof projecting from the inner edge of the flange adapted to retain the pad within the pocket, and a cover hingedly supported on the member.

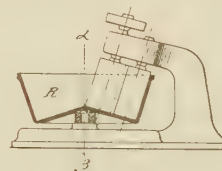
- 1,463,719. LACE ATTACHMENT FOR KNITTING MACHINES. ERNST OSCAR NEBEL, Philadelphia, Pa. Filed Nov. 16, 1921. Serial No. 515,560. 12 Claims. (Cl. 66—28.)



1. In a knitting machine, the combination with a movable lace finger having needles adapted for cooperation with the knitting needles to form a lace design in

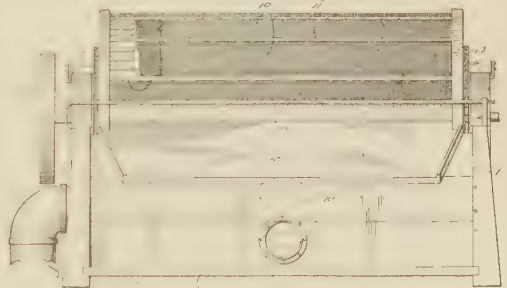
the knitted fabric, means for reciprocating said finger toward and from the knitting needles, and mechanism for reciprocating said finger longitudinally of the row of knitting needles comprising an adjustable member having a plurality of means individually operative in different adjusted positions of the member for positioning the said finger longitudinally of the row of knitting needles, mechanism for reciprocating said member, and variable means adapted for reciprocation with respect to said member for determining the adjusted position of the latter.

- 1,463,720. UNIVERSAL CUTTING AND KNEADING MACHINE. LUIGI NEGRO, Bucharest, Rumania. Filed Jan. 29, 1921. Serial No. 441,093. Renewed June 16, 1923. 2 Claims. (Cl. 259—84.)



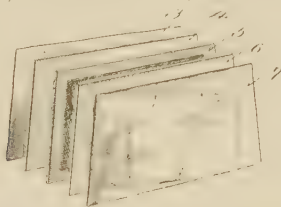
1. A cutting and kneading machine, comprising a revolvably mounted receptacle, and two kneading and cutting cylinders mounted in the receptacle to rotate independently thereof and adjacent the inner peripheral face of the receptacle, the cylinders each being provided with a plurality of peripheral annular cutting members, the cutting members being of equal thickness and spaced apart and the cutting members of one cylinder extending between the cutting members of the other cylinder.

- 1,463,721. PULP DEHYDRATOR. RAY ADNA NORTH, Green Bay, Wis., assignor to E. Payson Smith, Green Bay, Wis. Filed July 1, 1921. Serial No. 481,821. 7 Claims. (Cl. 100—47.)



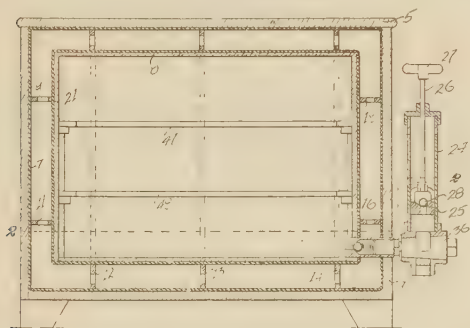
1. In a pulp dehydrator the combination with a casing, and an imperforate arcuate pressure plate therein, of a drum having a perforated periphery and revolvably mounted in said casing with its periphery eccentric to said plate, whereby a comparatively wide mouth is formed at one side of the dehydrator between the drum and plate and a comparatively narrow pulp exit is formed at the other side of the dehydrator, an inlet pipe in communication with the said mouth, a spray pipe within the drum adapted to direct a spray outwardly through the perforated periphery of the drum above the said mouth, and a spray pipe outside of the drum adapted to direct a spray through the perforated periphery into the drum above the outlet between the drum and plate, and an apron to receive the dehydrated pulp as it falls from the periphery of the drum of said outlet and direct it to a suitable receptacle.

1,463,722. PANEL FOR LAMP SHADES. HUGH J. O'BOYLE, San Antonio, Tex. Filed July 18, 1922. Serial No. 575,819. 2 Claims. (Cl. 41-21.)



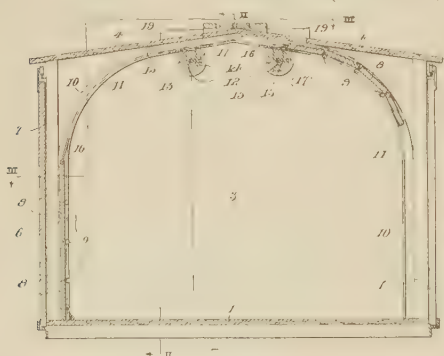
1. A display panel for lamp shades including a sheet of semi-transparent material containing the matter to be displayed, a sheet of transparent material forming a mat upon which said semi-transparent material is placed, a sheet of flexible material placed over said mat sheet for decorative purposes, and a frame for interchangingly supporting said sheets.

1,463,723. STORING AND PRESERVING CABINET. KISABURO OTSUKI, Fulton, Calif. Filed Apr. 7, 1922. Serial No. 550,527. 3 Claims. (Cl. 217-7.)



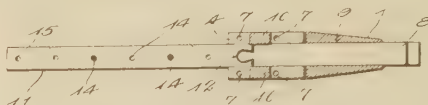
1. In a receptacle of the character described, the combination with an outer receptacle, of an inner receptacle, a door adapted to close said inner receptacle, means for spacing said receptacles one from the other, and means for producing a vacuum between said receptacles and within the interior of said inner receptacle.

1,463,724. GRAIN-CAR DOOR. ANTON POKORNY, Wyndmere, N. Dak. Filed June 30, 1922. Serial No. 571,899. Renewed June 18, 1923. 1 Claim. (Cl. 20-32.)



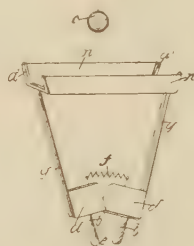
In a door for grain cars, a car provided with side door openings, guide strips for each side door opening extending inwardly at their upper ends and engaging the roof of the car, a panel door slidable in the guide strips, a shaft journaled adjacent the car roof, a drum secured to each end of the shaft, a crank handle secured to one end of the shaft, cable connections between the drums and the upper panel of the door, and said car roof having a trap door opening therein overlying the crank handle carried by said shaft.

1,463,725. EXTENSIBLE, REVERSIBLE, AND SELF-SHARPENING DIPPER TOOTH. JOSEPH F. PRIOR, Houghton, Mich. Filed Apr. 3, 1922. Serial No. 549,068. 9 Claims. (Cl. 37-142.)



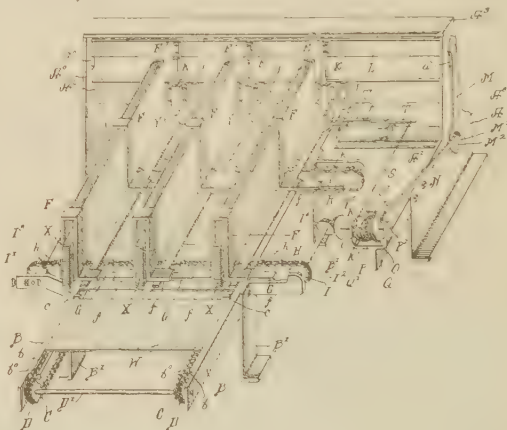
1. A dipper tooth having a longitudinally extending passage, a cutter extending through the passage and projectable beyond the forward end of said tooth, means connected with the cutter for projecting the cutter forwardly, and releasable means for securing said means in adjusted positions with a predetermined portion of the cutter extending beyond the forward end of the tooth.

1,463,726. RICOCHET BALL GAME. ERNST RUTTMANN, Stuttgart, Germany. Filed Aug. 24, 1921. Serial No. 494,848. 2 Claims. (Cl. 46-59.)



1. A device for playing ricochet ball comprising the combination of two hand-levers, a slack ricocheting surface of mesh material secured at its respective ends to the upper ends of said levers, means for pivotally connecting said levers to each other near their lower ends, handles at the lower ends of said levers, limiting means to prevent the upper ends of the levers coming into too close proximity with each other, and spring means to return the levers to their initial position when the handles are released, the pivotal connecting means being at such distance from the lower ends of the levers that the handles may be gripped with one hand.

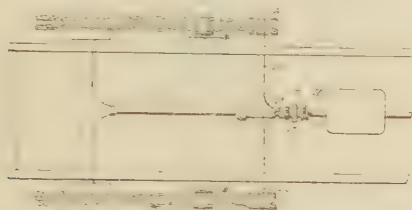
1,463,727. MACHINE FOR MAKING BOXES AND CRATES. JOHN SHELLINGER, Rome, Ga., assignor to Sealed Case Company, a Corporation of New York. Filed Feb. 21, 1919. Serial No. 278,368. Renewed June 9, 1921. Serial No. 476,337. 47 Claims. (Cl. 1-8.3.)



1. Apparatus of the character described comprising an endless conveyor for box or crate blanks, a series of hoppers for battens arranged above said conveyor

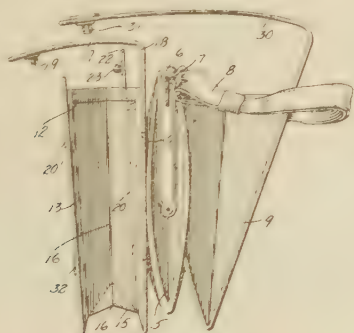
and parallel to the movement of said conveyor, each hopper being provided with an opening at one side of its base of sufficient depth to permit the ejection of a single batten laterally therethrough, and feed chains movable transversely of the conveyor for simultaneously and laterally ejecting the lowest batten from each of said hoppers, substantially as described.

1,463,728. VEHICLE TRANSMISSION GEAR. PETER D. SINCLAIR, Marion, N. C. Filed June 15, 1921. Serial No. 477,720. 1 Claim. (Cl. 305—3.)



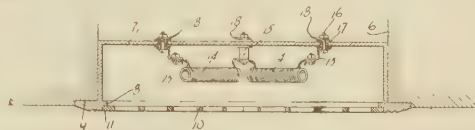
The combination with a vehicle having driving wheels, a transmission shaft communicating motion thereto and a driving motor, of a differential countershaft carried by the vehicle, and having sprockets on its extremities, endless traction element engaged with the driving wheels and with the sprockets, a clutch interposed between the transmission shaft and the motor, a pinion carried by one of the elements of said clutch, a pinion operatively connected with the differential countershaft, and means for operating the pinion carrying the clutch element to move it toward and away from the complemental element whereby when the clutch elements are engaged the pinion is moved laterally to mesh with the pinion connected with the countershaft, reengagement of the pinions being effected by the disengagement of the clutch elements.

1,463,729. POCKETBOOK. BERNARD STEMMER, New York, N. Y. Filed Nov. 1, 1921. Serial No. 512,034. 1 Claim. (Cl. 150—28.)



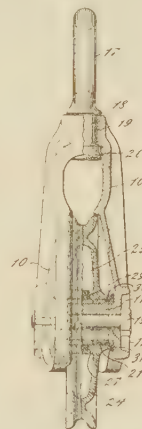
A pocket book comprising a main frame, a pocket formed on said main frame, a bellows pocket mounted on the front of said first-mentioned pocket, a collapsible pocket mounted on the back of said first-mentioned pocket, a partition separating said bellows pocket from the front wall of the first-mentioned pocket, a pocket formed on said partition and between the partition and the rear wall of the bellows pocket, a flap carried by said partition and adapted to overlap the rear wall of the bellows pocket to close the pocket formed between the rear wall and the partition, a second flap carried by the first-mentioned pocket and adapted to overlap the bellows pocket to form a closure therefor, and a flap forming an extension of the rear wall of the collapsible pocket to close the entire open side of all of the pockets, substantially as described.

1,463,730. HEATER. EDWARD DUMONT STOUT, New Rochelle, N. Y., assignor to Wm. H. Jackson Company, New York, N. Y., a Corporation of New York. Filed Jan. 7, 1922. Serial No. 527,639. 1 Claim. (Cl. 219—34.)



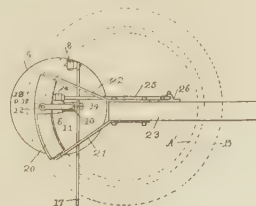
As an article of manufacture a permanent heater adapted to be attached to the wall of a room, said heater comprising a housing having an open side, a grill for closing the open side of the housing, a plurality of brackets carried by and projecting from the rear wall of the housing and insulated with respect thereto, and a plurality of heating elements carried by said brackets substantially as described.

1,463,731. SHEAVE BLOCK. ERVIN D. SWAN, East Orange, N. J., and DUFF G. MANGES, Maryville, Tenn., assignors, by direct and mesne assignments, of one-half to Lidgerwood Manufacturing Company, New York, N. Y., a Corporation of New York, and one-half to United Steel Block Corporation, Chester, Pa., a Corporation of Delaware. Filed Apr. 23, 1921. Serial No. 463,760. 3 Claims. (Cl. 64—26.)



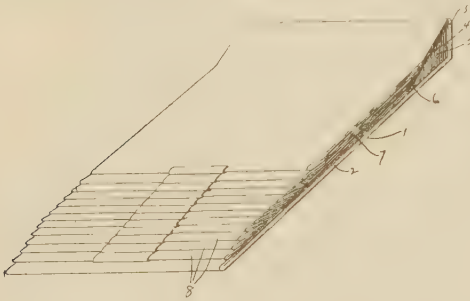
3. In a sheave block, a cylindrical bearing member, a sheave having a cylindrical bearing aperture surrounding said member and provided with a chamber adapted to contain lubricating material and an inwardly enlarged annular passage leading from said chamber to said bearing member, and a felt ring compressed within said passage for conveying lubricating material from said chamber to said bearing member.

1,463,732. DEVICE FOR RIVETING HALF SOLES ON PNEUMATIC RUBBER TIRES. RALPH C. TURNER and EDWARD T. ALSTON, Seattle, Wash.; said Turner assignor to said Alston. Filed May 13, 1922. Serial No. 560,845. 5 Claims. (Cl. 78—3.)



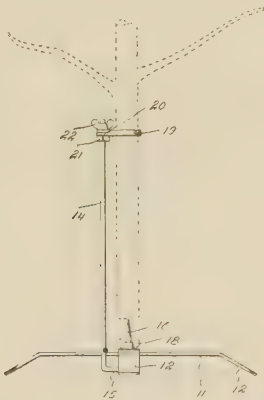
1. An anvil of a rubber tire shoe riveting machine having a hard-metal surface area adapted to support a rivet when being upset and also having a soft-metal surface area adapted to receive the sharp end of a rivet-hole punch.

1,463,733. DESK ORGANIZER. ROY J. TURNER, San Francisco, Calif., assignor to Efficiency File Co., a Copartnership, Chicago, Ill. Filed Sept. 8, 1921. Serial No. 499,223. 1 Claim. (Cl. 129—15.)



A desk organizer comprising a rigid base plate, a block mounted at one end of the same having a slanting upper surface descending toward the base frame; a strip of flexible material secured to the lower end of the block surface and alternately led away from and back to the block so as to form a plurality of double leaves secured to the block in ascending and spaced relation with the leaves made of substantially equal size so as to present a correspondingly inclined formation at the opposite end, and a cover of relatively stronger material than the leaves secured to the back of the block and adapted to overlie the upper leaf.

1,463,734. TREE HOLDER. JOHN ULLRICH, Salt Lake City, Utah. Filed Oct. 11, 1921. Serial No. 507,006. 1 Claim. (Cl. 248—38.)

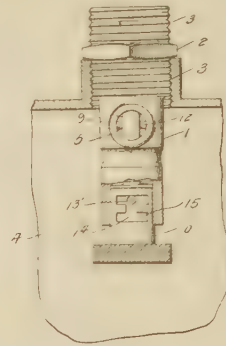


A tree holder of the class described comprising a base, a standard having its lower end bent to provide a U-shaped hook, said lower end of hook being pointed and passed through an opening formed in said base, a thumb-screw threaded to the pointed end portion of said hook and engaging said base to hold the standard to the base, curved jaws arranged end to end and having their meeting ends overlapping and formed with openings to receive the upper end of said standard, a thumbscrew threaded onto the upper end of the standard to hold the jaws in place thereon, the inner surfaces of said jaws being formed with teeth to engage the trunk of the tree.

1,463,735. COMBINED CLOSURE AND FAUCET FOR LIQUID CONTAINERS. HENRY OZA VARRIEUR, Placerville, Calif. Filed Mar. 18, 1922. Serial No. 544,961. 2 Claims. (Cl. 251—137.)

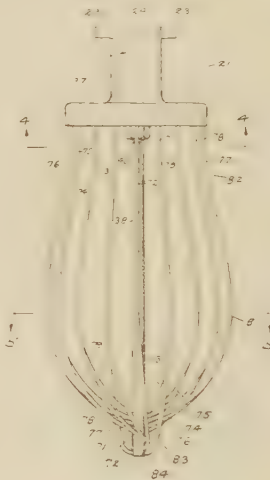
1. A combined closure and faucet comprising a hollow body having an external polygonal portion near one end, and portions adjacent and upon opposite sides of the poly-

gonal portion externally screw threaded, and provided in a side with a lateral discharge opening, a valve closing the



end of the body adjacent the polygonal portion, and a pressure piece at the opposite end of the body having connection with said valve to effect unseating thereof.

1,463,736. WHIP FOR MIXING MACHINES. PAUL S. WARD, Cincinnati, Ohio, assignor to The Triumph Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 2, 1923. Serial No. 622,234. 6 Claims. (Cl. 259—102.)

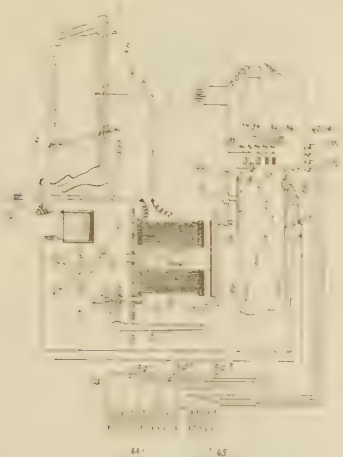


1. A whip of the character described comprising a head, a stem depending therefrom, and wires between the lower end of said stem and said head inclined about the axis of said stem, and the lower portions of said wires located in relatively stepped positions.

1,463,737. POSITIVE-FILMS-PRINTING MACHINE. ANDRÉ LÉON VICTOR CLÉMENT DEBRIE, Paris, France. Filed June 16, 1922. Serial No. 568,829. 4 Claims. (Cl. 95—75.)

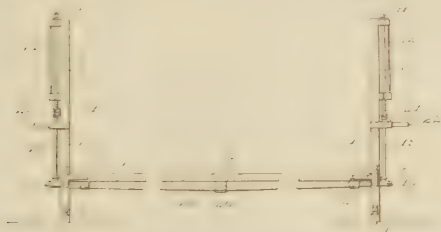
1. A positive film printing machine comprising a casing, an electric lamp disposed therein an aperture in said casing before which the negative film and the positive film to be printed are caused to travel, an electro-magnet whose armature is controlled by the motion of the negative film, a drum adapted to be actuated when the electro-magnet armature is attracted, a perforated band disposed upon said drum, a first set of spring contacts cooperating with said perforated band and connected to the incoming circuit, a second set of spring contacts cooperating with said perforated band and connected to one terminal of the lamp, a rheostat having two sections in series, one set of

contacts being connected to one section, and the other set of contacts being connected to the other section, and means for combining any of the contacts of the first set with



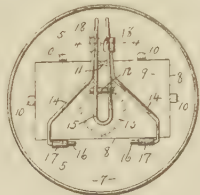
any of the contacts of the second set for inserting in the circuit of the lamp a different resistance for each combination.

1,463,738. LEVEL. WALTER M. DICKINSON, Middlesex, N. C. Filed Apr. 17, 1922. Serial No. 553,391. 1 Claim. (Cl. 40—1.6.)



A level comprising a pair of standards, a beam connecting the standards, vertically spaced brackets upon the outer face of each standard, a scale extending between the said brackets and reading in opposite directions from its center, a transparent gage tube disposed in front of the scale upon each standard and supported by the brackets projecting from said standard, a vent cock at the upper end of each gage tube, a pipe carried by the beam and the standards and having upturned portions aligned with the respective gage tubes, flexible coupling sleeves encircling the meeting ends of the pipe and the respective gage tubes, clamps around said sleeves, U-shaped brackets secured to the respective standards and projecting outwardly therefrom, and handles projecting from said brackets.

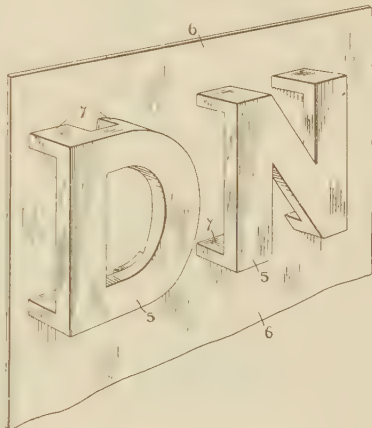
1,463,739. BADGE AND ANALOGOUS DEVICE. HAROLD W. DRAPER, East Orange, N. J., assignor to The Whitehead & Hoag Company, Newark, N. J. Filed July 24, 1922. Serial No. 577,105. 1 Claim. (Cl. 40—1.6.)



In a badge of the character described, a main supporting plate having a sight opening therethrough, a display plate removably seated in said opening, a transparent cover

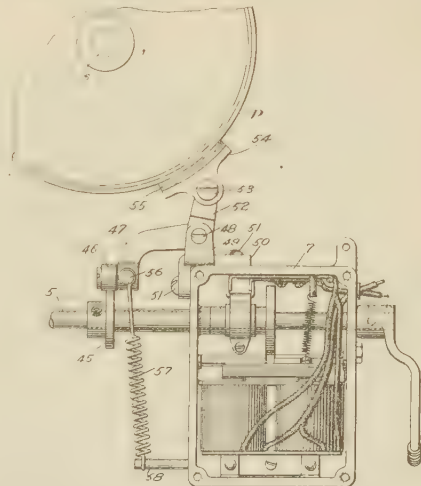
plate secured to the main plate and extending across the front face of the display plate for limiting the forward movement thereof in said opening and for displaying said display plate therethrough, and means for holding the display plate in said opening including a locking member having one end hinged to the main plate at one side of the opening to swing to and from a position across and against the back of the display plate and its other end returned toward the hinged end to form a loop for attachment to a button hole or pocket, and a keeper on the main plate at the side of the opening opposite the hinge for engagement by the adjacent portion of the locking member.

1,463,740. DISPLAY DEVICE. JAMES EDWIN GEE and FREDERICK SAMUEL GEE, London, England. Filed Nov. 25, 1922. Serial No. 603,329. 4 Claims. (Cl. 40—14.0.)



1. A display device comprising a plate of magnetic material, a detachable tablet of desired shape and character formed of para-magnetic material and a plurality of pairs of feet formed integrally with said tablet and constituted by portions bent over at the margins of said tablet, said feet being adapted to form pairs of magnetic poles for the attachment of the said tablet to the surface of the said plate.

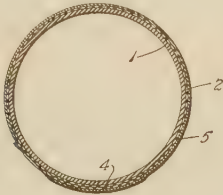
1,463,741. STOP MOTION FOR KNITTING MACHINES. EDSON S. HINELINE, Apponaug, R. I., assignor to Hine-line Engineering Company, Providence, R. I., a Corporation of Rhode Island. Filed Aug. 31, 1921. Serial No. 497,219. 6 Claims. (Cl. 66—7.)



1. Stopping mechanism for knitting machines comprising in combination, a rock shaft having a disk, an electro-magnet having an armature adapted to hold said disk

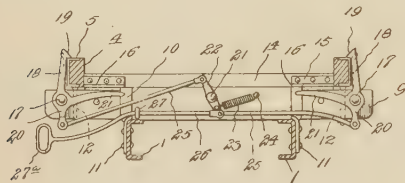
from rotation until energized, means whereby yarn break or impaired tension effects energization of said magnet, a driving pulley, shipper means therefor, a brake adapted to be applied directly to said pulley, a lever carrying said brake, and a cam upon said rock shaft and controlling the movement of said lever.

1,463,742. INNER TUBE. GEORGE A. LANE, Lorain, Ohio, assignor of one-half to Isaac A. Chappell and one-half to John C. Hayes, both of Lorain, Ohio. Filed Oct. 5, 1922. Serial No. 592,505. 1 Claim. (Cl. 152—13.)



As a new article of manufacture, an inner tube comprising an inner lamination of rubber the same being initially molded in tubular form, a textile lamination cut on the bias and spirally disposed around the inner lamination, said textile lamination being of a length and width to surround the rubber lamination, the ends of the textile lamination being obliquely cut and in overlapping relation, the longitudinal marginal portions of said fabric lamination being in slight overlapping relation, and an outer lamination of sheet rubber wrapped around the textile lamination, the opposite ends of the structure being spliced.

1,463,743. DUMP-BODY VEHICLE. WALTER D. LANKSTON, Robinson, Ill. Filed Dec. 1, 1921. Serial No. 519,190. 2 Claims. (Cl. 298—38.)

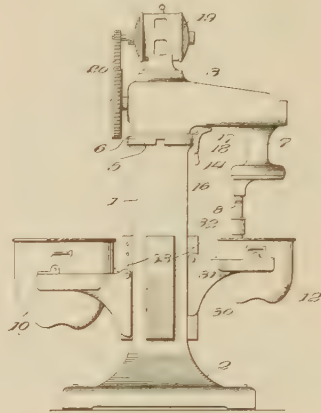


1. In a vehicle, the combination of longitudinal chassis bars, a rear frame bar carried by said chassis bars, a dump body having longitudinal parallel bottom bars hingedly connected at intermediate points of their length to said rear frame bar, a transverse beam superimposed on and fixed to the longitudinal chassis bars and spaced in front of the rear frame bar, and manually-operable means carried by the said transverse beam and constructed and arranged when the body is restored to carrying position to automatically and detachably engage the longitudinal bottom bars of the body and secure the body in carrying position, and also constructed and arranged to impart an upward impulse to the forward portion of the body after the release thereof.

1,463,744. MIXING MACHINE. FRANK X. LAUTERBUR, Sidney, Ohio. Filed June 4, 1921. Serial No. 475,137. 5 Claims. (Cl. 259—70.)

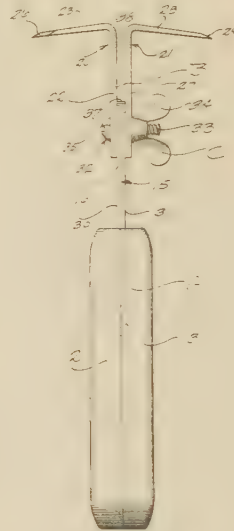
1. A mixing machine of the class described including a column, a plurality of bowls or receptacles grouped around and supported by the column, an adjustable head also supported by the column and movable around the

same for carrying beater operating mechanism to operative position with relation to any one of the bowls or



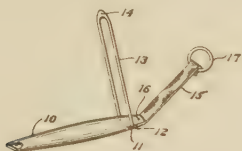
receptacles, and cooperating means on the head and the column for securing the head in position over the bowls or receptacles.

1,463,745. SCRAPER. JAMES W. LAYNE, Danville, Va. Filed June 17, 1921. Serial No. 478,384. 1 Claim. (Cl. 145—47.)



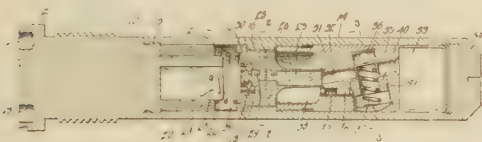
A scraping tool comprising a supporting bar and handle structure having an opening adjacent the upper end thereof, scraping blades having different scraping edges outwardly thereon each including a blade portion and a relatively longer attaching portion extending at a substantial angle to the blade, the attaching portions of said blades having apertures thereon immediately adjacent their free end edges adapted for alignment with the aperture of said supporting bar upon the opposite sides of the latter, and detachable clamping means inserted through the aligning apertures of the scraping blades and bar whereby said attaching portions of said scraping blades extend upwardly from the top marginal edge of the supporting bar for their major lengths providing a space therebetween.

1,463,746. HAIR CURLER. GEORGE C. LEWIS, Philadelphia, Pa. Filed Aug. 31, 1922. Serial No. 583,519. 2 Claims. (Cl. 132-44.)



1. A hair curler comprising a cigar-shaped body portion, a bail pivotally secured thereto, and a length of elastic material also secured to said body portion.

1,463,747. DETONATING FUSE. ROY L. LOWMAN, Buckhannon, W. Va., assignor of one-half to Harry C. Dodge. Filed June 18, 1921. Serial No. 478,739. 7 Claims. (Cl. 102-39.)



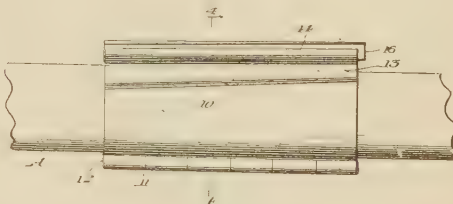
3. A detonating fuse comprising a detonating charge and an igniting charge, a passage therebetween, an interrupter operating across the passage and provided with a bore, a spring within the bore, said interrupter having at one end a transverse passage which at times is aligned with the first said passage to provide unrestricted communication between the two said charges, said interrupter also having an enlarged weighted portion, a detent at times bearing against the under side of said enlarged portion and at other times bearing against the upper side of said enlarged portion, substantially as set forth.

1,463,748. BIB OVERALLS. WALTER C. MASTIN, San Antonio, Tex. Filed Mar. 25, 1921. Serial No. 455,692. 1 Claim. (Cl. 2-140.)



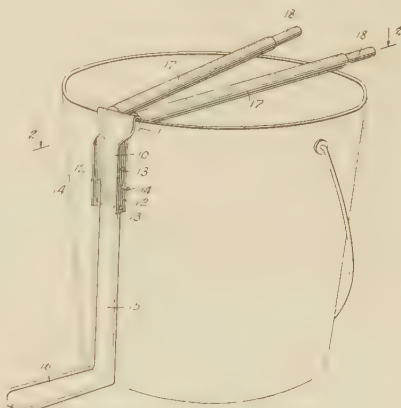
The combination with an adjustable shoulder strap for garments of the type indicated having means for adjustably connecting the terminal of the strap with the body portion thereof and a button loop for engagement with the suspender button on the garment, of a protective tongue provided with a transverse slot through which the shoulder strap extends and having a button hole for engagement with the button of the garment and disposed at the rear of said loop.

1,463,749. DEVICE FOR PREVENTING LEAKS. CHARLES POLLAK, Hancock, Mich. Filed June 3, 1921. Serial No. 474,722. 1 Claim. (Cl. 24-19.)



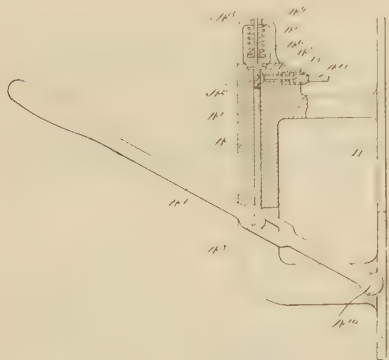
A device of the character described comprising pair of similar substantially semi-cylindrical clamping members hingedly connected at one edge and adapted to be engaged upon a flexible conductor in embracing relation thereto, flanged members on said clamping members in spaced relation to the other edges thereof, said flanged members having their flanges converging longitudinally and turned outwardly, and a clamping device formed as a trapezoidal shaped body having converging side flanges engageable upon said first named flanges whereby when said last named clamping member is moved longitudinally in one direction with respect to said semi-cylindrical clamping members, the latter will be drawn into compressing engagement with the conductor, the spacing of said flanged members from the edges of the semi-cylindrical clamping members permitting the free edges of the latter to be drawn closely together whereby substantially the entire periphery of the flexible conductor will be compressed.

1,463,750. MOP WRINGER. EDWARD PETER POULSEN, Mendham, N. J. Filed July 25, 1922. Serial No. 577,289. 4 Claims. (Cl. 15-262.)



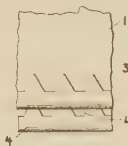
1. A mop wringer including a pair of mop engaging elements arranged side by side, means adapted to embrace the upper edge of a bucket, a connection between one end of each mop engaging element and the portion of the bucket edge embracing means disposed at the inner side of the bucket for permitting universal turning and swinging movements of said mop engaging elements, and a foot engaging element depending from said means and connected thereto for respectively holding said means in embracing engagement with the upper edge of the bucket and for preventing accidental turning movement of the bucket, said foot engaging element having adjustable connection with the bucket embracing means.

1,463,751. MECHANICAL IGNITER. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont., a Body Corporate. Filed Feb. 2, 1921, Serial No. 441,979. Renewed Dec. 22, 1922. 2 Claims. (Cl. 67-6.)



1. In a mechanical igniter, a frame, a bored hole in said frame, a piston operable in said bored hole, an inlet valve, an outlet valve, means for holding said outlet valve to resist a pre-arranged pressure, communicating means from said valves to said bored hole, a lever, means for supporting said lever on said frame, a slot in said lever, a pin on said piston, means for operating said piston by said lever, and means for fastening said frame to a supporting surface, substantially as described.

1,463,752. SEPARATING DISKS IN CENTRIFUGAL SEPARATORS. LUDVIK RASCH, Christiania, Norway, assignor to Aktieselskapet Turbo-Separator, Drammen, Norway. Filed Jan. 24, 1922. Serial No. 531,506. 4 Claims. (Cl. 233-41.)



2. A centrifugal separator disk having a fold provided with tongues, the folding line of the disk being internal to the base line of the tongues.

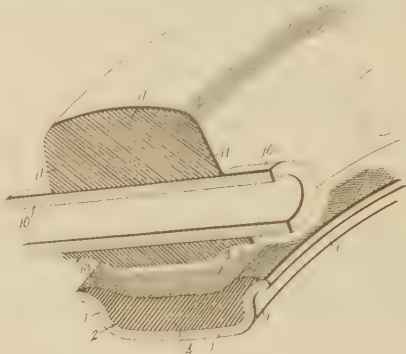
1,463,753. SHOE-LAST STAND. WILLIAM A. REED, Springfield, Ohio, assignor of one-half to Sumner Lathey, Springfield, Ohio. Filed June 19, 1919. Serial No. 305,304. 1 Claim. (Cl. 12-123.)



A shoe last stand having a standard bifurcated at its upper end to provide relatively yieldable jaws, a head disposed between the flanges of said jaws and having

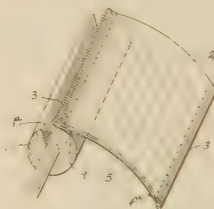
radial arms having terminal last members, a pivot bolt connecting said jaws and extending axially through said head to revolvably mount the same on the standard, and a clamping nut engaging said bolt for actuating the jaws to secure them in frictional engagement with the interposed head.

1,463,754. METHOD OF MANUFACTURING TIRES. CARL E. RETT, Akron, Ohio, assignor to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed Sept. 9, 1922. Serial No. 587,141. 6 Claims. (Cl. 18-59.)



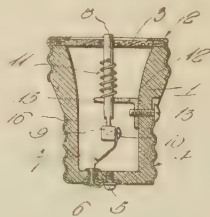
1. The method of tire building which consists in taking a rim of any usual cross sectional shape, building up a tire base in the rim and partially curing the same; building up a tire body separately from the rim base and partially curing the same; subsequently stretching the tire body and placing it over the base portion on the rim; then vulcanizing the whole together.

1,463,755. IDENTIFICATION DEVICE. VICTOR E. WEST, McKeesport, Pa. Filed Jan. 6, 1923. Serial No. 611,077. 3 Claims. (Cl. 40-19.)



1. In a device of the character described, a member adapted to be secured about an umbrella rod, a sheet of transparent material secured to said member, identifying means positioned between the member and said sheet of transparent material, and means for securing the ends of the sheet of transparent material together.

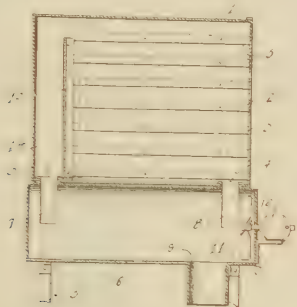
1,463,756. RENEWABLE FUSE. WILLIAM M. WETTER, Williamsport, Pa., assignor of one-half to Louis G. Huling, Williamsport, Pa. Filed July 13, 1922. Serial No. 574,738. 3 Claims. (Cl. 200-121.)



1. A circuit cut-out comprising a body, a self-acting indicator carried by said body, a fuse connected detachably with said indicator at a point within the body and normally holding said indicator against operation,

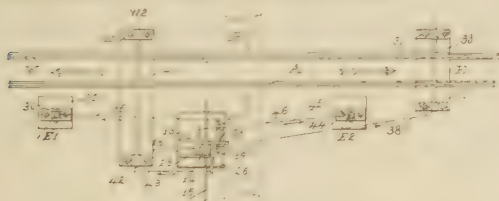
said fuse being also detachably connected with said body, and a detachable connection separate from the fuse connecting said indicator with said body and releasable only when the fuse has blown.

- 1,463,757. PHOTOPRINT DRIER. ALDEN H. WYATT, Knoxville, Iowa. Filed Oct. 27, 1922. Serial No. 597,322. 3 Claims. (Cl. 34—19.)



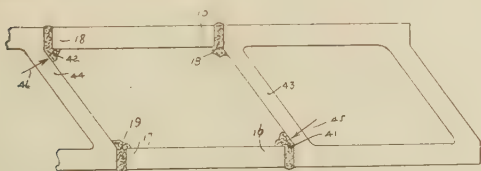
3. A photo print drier, comprising a box having a door closing its front, and having inlet and outlet openings in opposite ends of its bottom, a partition in the rear portion of the box terminating short of the top thereof, the space between the partition and rear of the box being in communication with the air inlet, a drum beneath the box in communication at opposite ends with the inlet and outlet openings of the box and having an opening in its bottom opposite the outlet of the box for the reception of warm air from a suitable source, and a fan for circulating the warm air through the drum and box.

- 1,463,758. RAILWAY-CROSSING SIGNAL. EVERETT M. BOCK, Elkhart, Ill. Filed Aug. 25, 1922. Serial No. 584,234. 1 Claim. (Cl. 246—299.)



In a signaling device, the combination of a stationary vertical standard, a tubular semaphore staff rotative on the upper end of the standard; a coiled spring surrounding said standard and having one end attached to the standard and the other end attached to the staff; a frame secured on the staff and having outwardly extended arms; levers and connections pulling on the arms of said frame to rotate the staff to stress said coiled spring; a latch plate attached to the staff and provided with a stop; a latch pivoted on a stationary support and adapted to engage the stop on said latch plate, and levers and connections effective to retract said latch to permit said coiled spring to rotate said staff.

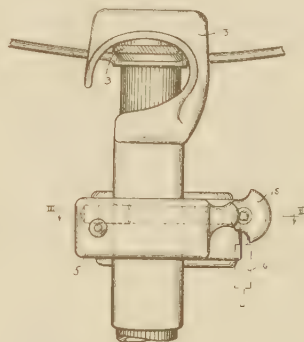
- 1,463,759. WALL CONSTRUCTION. GEORGE C. CARSON and EDWARD COLL, San Francisco, and THOMAS S. Christensen, Nashmead, Calif. Filed Apr. 17, 1922. Serial No. 553,625. 2 Claims. (Cl. 72—41.)



2. A hollow building block formed of molded material having parallel sides laterally displaced and a plurality

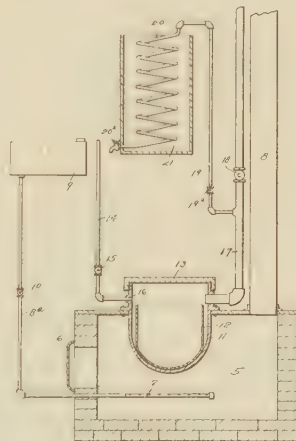
of ends lying in displaced parallel planes at right angles to said surfaces, and a brace member between each pair of parallel ends and forming an acute angle therewith.

- 1,463,760. VEHICLE LOCK. CHARLES A. CONGER, Oakland, Calif., assignor to National Auto Devices Company, San Francisco, Calif., a Corporation of California. Filed June 3, 1920. Serial No. 386,201. 5 Claims. (Cl. 70—129.)



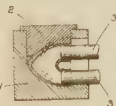
5. In a lock for a vehicle steering wheel and column, comprising a body having two parts adapted to interlock in hinged relation on one side and an inset screw to secure the two parts on the other side of said column, a shank slidable in said body and having a member adapted to engage the steering wheel on one end thereof, a barrel lock set flush within said body and constructed and adapted to lock said shank when the member engages the steering wheel.

- 1,463,761. GARBAGE AND SEWAGE INCINERATING APPARATUS. JASPER C. CURRY, Pineville, La. Filed Nov. 6, 1920. Serial No. 422,290. 2 Claims. (Cl. 110—11.)



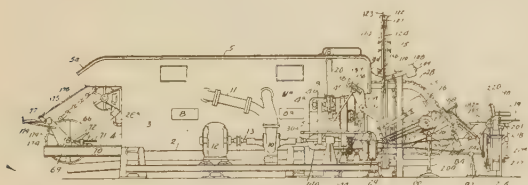
1. A device of the character described comprising a heating element, a bowl to be heated thereby, an airtight closure for said bowl, a discharge leading from the bowl and having a controlling valve therein, a branch pipe leading from the discharge pipe between the valve and the bowl, a condensing coil to which the branch pipe leads a bodily removable lining for said bowl constituting a receptacle and means for supplying air to the interior of said bowl and receptacle above the top of said receptacle.

1,463,762. MANUFACTURE OF RETURN CONNECTIONS. JACQUES LENTÉ, Paris, France, assignor to Société Anonyme d'Escaut & Meuse, Paris (Seine), France, a Company of France. Filed Sept. 27, 1921. Serial No. 503,674. 2 Claims. (Cl. 29—157.6.)



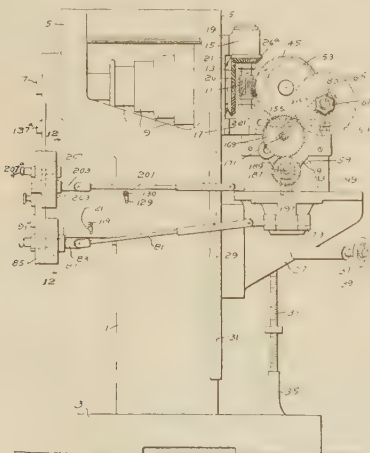
1. A process for the manufacture of a return connection, particularly intended to form an element of a tubular superheater, consisting in providing a tube with a thickened portion intermediate its ends, curving said tube into the form of an elbow, placing said elbow in a press and exerting pressure on the elbow to shape the metal of the elbow, and inserting mandrels in the ends of said elbow before exerting pressure on the same.

1,463,763. BOTTLE-CLEANING APPARATUS. CHARLES H. LOEW and JOHN R. GRUETTER, Lakewood, Ohio. Filed Mar. 17, 1917. Serial No. 155,422. 35 Claims. (Cl. 15—60.)



11. In an apparatus of the character described, the combination, with bottle-treating means, of a conveyor extending in operative relation to said means, means for moving the conveyor intermittently, a bottle receiving and charging device cooperating with the receiving portion of the conveyor and movable into and out of operative relation thereto, a bottle receiving and removing device cooperating with the delivery portion of said conveyor and movable into and out of operative relation thereto, and means for moving the said devices into operative relation to the conveyor while the latter is at rest.

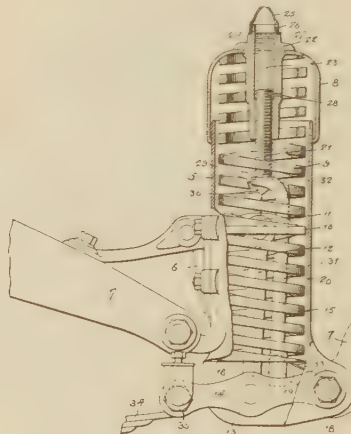
1,463,764. MACHINE TOOL. RICHARD C. MONAHAN, Watertown, Mass., assignor to National Machine & Tool Company, Boston, Mass., a Corporation of Maine. Filed Apr. 10, 1920. Serial No. 372,956. 7 Claims. (Cl. 90—4.)



1. In a machine of the character described, the combination of a hob cutter, a work support, a spindle mounted on said work support for rotating a gear blank to be

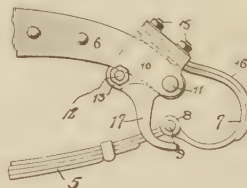
acted upon by the hob cutter, a worm gear fast on said spindle, a worm meshing with said gear, a shaft mounted on said work support, spiral gears for imparting rotation from said shaft to said worm, an index gear detachably mounted on said shaft, a carrier fulcrumed on the axis of said index gear and adjustable to different positions, a driving gear, an intermediate gear on said carrier and adapted to mesh with said driving gear and index gear, and means for rotating said hob cutter and driving gear at the same speed.

1,463,765. LUBRICATING DEVICE. RICHARD T. NEWTON, New York, N. Y. Filed Dec. 8, 1919. Serial No. 343,213. 7 Claims. (Cl. 267—29.)



1. In a shock eliminator, a casing, a hollow nut at the top thereof forming an oil reservoir, members arranged within said casing, and means for lubricating said members from the reservoir in the nut.

1,463,766. SHOCK ELIMINATOR. RICHARD T. NEWTON, New York, N. Y. Filed June 2, 1920. Serial No. 385,919. 8 Claims. (Cl. 267—54.)

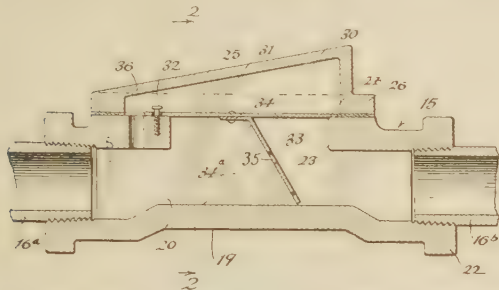


1. The combination with a chassis side bar having a spring bolt and a main spring having an eye adapted to receive said spring bolt, of a shock eliminator comprising a bracket adapted to be mounted on the end of the chassis side bar and engaged by said spring bolt, and a C-shaped leaf spring rigidly secured at one end to said bracket, and pivoted at its other end to the eye of the main supporting spring.

1,463,767. AIR-BRAKE EMERGENCY CHECK VALVE. MICHAEL H. RYAN, San Bernardino, Calif., assignor of one-tenth to Julius J. Peyron, San Bernardino, Calif. Filed Aug. 7, 1922. Serial No. 580,240. 5 Claims. (Cl. 303—42.)

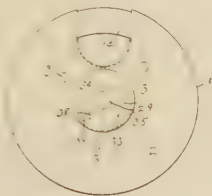
4. In combination, a casing having a straight passageway therethrough, and a chamber, flanges formed on the walls of the passageway, a valve for controlling the pas-

sage of fluid through the passageway and adapted when in closed position to abut said flanges, and a second valve



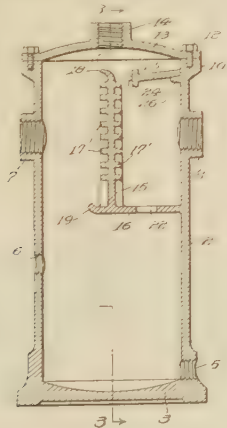
for controlling the passage of fluid from the passageway to said chamber, said valves being mounted for simultaneous movement.

1,463,768. LOCK. GEORGE E. M. WIELAND, Baltimore, Md., assignor of one-half to Frank Boehmer, Baltimore, Md. Filed Aug. 28, 1922. Serial No. 584,637. 4 Claims. (Cl. 70-107.)



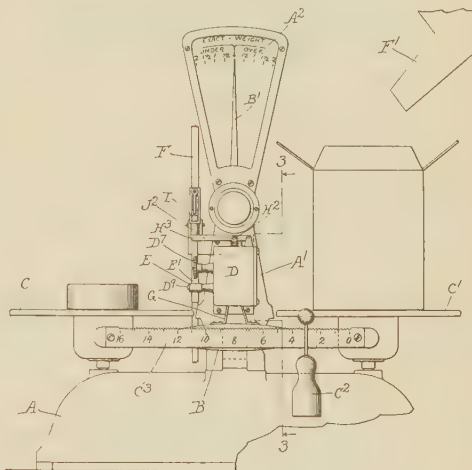
1. A lock comprising a case, a cylinder revolubly secured in said case and projecting above the top thereof, a locking arm within said case and carried by said cylinder, a key-barrel mounted in said cylinder, a key-hole cylinder mounted in said first named cylinder and surrounding the upper end of said key-barrel, and means for turning said key-barrel and said first named cylinder.

1,463,769. FLUID SEPARATOR. CLARENCE P. WOOD, Philadelphia, Pa. Filed Mar. 8, 1922. Serial No. 542,158. 3 Claims. (Cl. 183-113.)



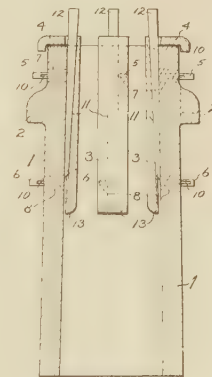
1. In a device of the class described, the combination with a cylindrical casing operatively closed at each end and having an inlet and an outlet, of a vertical partition within and extending diametrically of said casing and normal to the axis of the inlet, said partition having a plurality of vertically spaced, inverted V-shaped ridges on each of its sides and its upper extremity curved in the direction of said inlet, and a substantially horizontally disposed shelf extending beneath said partition provided with an upwardly curved transversely extending lip along its edge adjacent the inlet.

1,463,770. RECORDING SCALE. ADELMER M. BATES, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 509,943. 16 Claims. (Cl. 234-1.)



1. In combination with a scale, means for recording each weighing, comprising a record strip and means for marking said strip once during each weighing, said recording means being adapted to indicate the variation of the weight weighed from a pre-determined norm by the variation in the location of the recording mark from a pre-determined norm.

1,463,771. MEANS TO COMPRESS INGOTS. ALVIN A. CLAASSEN, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 553,694. 4 Claims. (Cl. 22-67.)

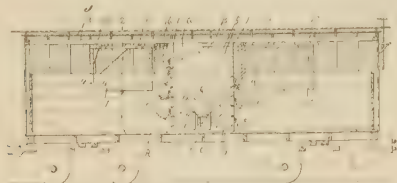


1. An ingot mold, a plurality of compression bars constructed to extend into the upper end of the mold and to cover the central portions of its sides, releasable means to hold the bars tight against the sides of the mold, and wedges constructed to be driven between the mold and bars to move the bars inwardly toward the center of the mold when their holding means are released.

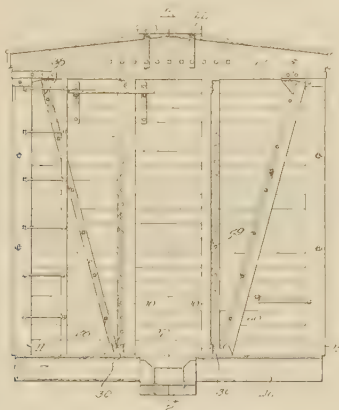
1,463,772. GRAIN-CAR DOOR. WILBUR M. COMBS, Lyons, N. Y., assignor of one-half to Alton H. Sherman, Lyons, N. Y. Filed Jan. 17, 1922. Serial No. 529,829. 8 Claims. (Cl. 20-27.)

1. In a grain car having an opening in one side, a frame hinged to and within the car permanently at said side of the opening to swing toward and from the roof,

and a sectional door flexibly connected to the interior of the car to swing from the opening to the frame and vice versa independently of said frame, said frame having means to support the door sections to swing therewith wholly at that side of the opening.

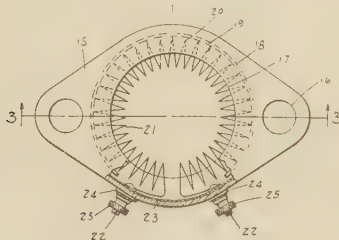


1,463,773. CAR-END CONSTRUCTION. IRA EVERETT, Sayre, Pa. Filed Oct. 16, 1917. Serial No. 196,939. 15 Claims. (Cl. 105-411.)



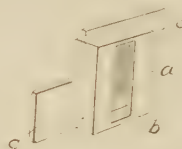
1. A car frame comprising, in combination, a substantially vertical beam of Z-shaped cross-section, a diagonal brace of Z-shaped cross-section, and a substantially horizontal beam, a shoe arranged on said horizontal beam, and a projection on said shoe of double Z-shaped cross-section projecting upwardly with respect to said horizontal beam, and means for clamping said projection to the ends of said vertical beam and said brace.

1,463,774. ELECTRIC HEATING ATTACHMENT FOR CARBURETORS. JOHN E. GODMAN and JOSEPH M. GARR, Lafayette, Ind.; said Garr assignor to said Godman. Filed Mar. 13, 1920. Serial No. 365,410. 3 Claims. (Cl. 219-38.)



1. An electric heater for the intake of an internal combustion engine, comprising a body portion provided with a central intake opening therethrough for the passage of fuel to the engine, an annular electrical heating element surrounding said central opening and secured to the inner wall thereof, said element being arranged to extend partially into said opening and leave a central free passage therethrough.

1,463,775. COMBINED TILE STRUCTURE AND TOILET-PAPER HOLDER. HARRY N. GOLDSMITH, Philadelphia, Pa., assignor to Golco Sanitary System, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 19, 1921. Serial No. 523,413. 3 Claims. (Cl. 72-18.)



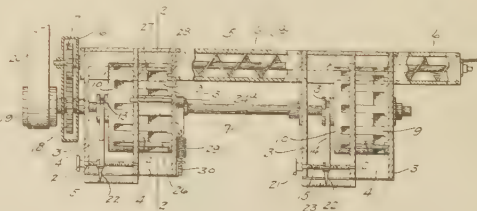
1. In a tile faced wall structure in which the tiles are laid in a prearranged order, a box-like structure covering a space on the wall of greater area than the space covered by a single tile, and a tile connected to said box laid between other tiles of the wall whereby said box is supported, the tile on the box being of the proper shape and size to form a portion of a prearranged design formed by the tiles.

1,463,776. HOG HOLDER AND PIG PULLER. EDWARD G. KNUDTSON, Stanton, Nebr., assignor to William Becker, Sidney, Nebr. Filed Aug. 25, 1921. Serial No. 495,198. 2 Claims. (Cl. 119-153.)



1. A device of the class described comprising a tubular member, a plunger therein comprising a head member slidably mounted in said tubular member, a rod engaged with said head member, a handle carried at the outer end of said rod, a flexible loop carried on said head member and adapted to project beyond the one end of said tubular member, a guide bar in the said tubular member, a ratchet formed on said rod adjacent the handle member and a spring operated pawl carried on said guide bar adapted to engage said ratchet to retain the plunger and loop in various adjusted positions.

1,463,777. PERCENTAGE FEEDER. ANGUS D. MACLELLAN, Owensboro, Ky., assignor to MacLellan Mixer Company, Owensboro, Ky., a Corporation of Kentucky. Filed Feb. 17, 1922. Serial No. 537,213. 7 Claims. (Cl. 83-44.)



1. In a feeder of the class described, the combination of a pair of spaced hoppers, a trough connecting said hoppers, a shaft extending transversely through said hoppers, cylindrical sections having complementary ribs and oblique pockets mounted on said shaft in each of said hoppers, said rib sections being movable relative to the pocket section, a guide rod journaled in each of said hoppers, a lever secured to said rod and engaging the rib sections for varying the width of said pockets, and means in said trough for commingling the stock as it issues from said hoppers.

1,463,778. TYPEWRITING MACHINE. WILLIAM H. HULSE, Brooklyn, N. Y., assignor to Underwood Type-writer Company, New York, N. Y., a Corporation of Delaware. Filed June 22, 1920. Serial No. 390,853. 21 Claims. (Cl. 197—83.)

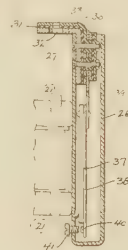


20. In a typewriting machine, the combination with a traveling carriage, of letter-feeding type-keys, silent-keys, a letter-feed-controlling member universal to all of said keys to be operated thereby, a lock independent of said member for locking the latter in actuated position when the lock is made effective, means universal to the silent-keys but not to the letter-feeding keys for making the lock effective, and means universal to the letter-feeding keys but not to the silent-keys for making the lock ineffective.

1,463,779. ALTERNATING-CURRENT RECTIFIER. VERNON FRANKLIN KING, Tonawanda, N. Y., assignor to King Electric Manufacturing Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed Feb. 5, 1921. Serial No. 442,677. 6 Claims. (Cl. 175—365.)

1. In an alternating current rectifier, the combination with a magnetic core, having pole pieces, of a support carrying the core and pole pieces, a separable vibratory unit arranged across the pole pieces and detachably carried by the support, the vibratory unit com-

prising a casing, a member secured to the casing, a second member carried by and insulated from the first member, a vibrating armature carried by the second member, contact means connected with the casing and



the armature, and means carried by the support for electrically connecting the members of the unit with the electric circuits of the rectifier.

1,463,780. COMPOSITION FOR COATING AND BONDING FABRICS. HERBERT PROOD, Chapel-en-le-Frith, England, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Filed Mar. 21, 1923. Serial No. 626,642. 3 Claims. (Cl. 134—17.)

2. A composition for coating and bonding fabric consisting of substantially two parts of dammar gum, substantially one part of rubber, substantially two parts of prepared linseed oil, and substantially five parts of a mineral hydrocarbon solvent.

1,463,781. FILLER AND ACCELERATOR FOR RUBBER COMPOUNDS. AUGUSTUS WARREN GOULD, Mount Angel, Oreg.; Hazel Phelan executrix of said A. Warren Gould, deceased. Filed June 6, 1921. Serial No. 475,528. 1 Claim. (Cl. 106—23.)

A composition consisting of rubber and a filler consisting of calcined tuffaceous breccia which has been ground to a powder.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Acorn Refining Company, The, Cleveland, Ohio. Water-proofing compound for building roofs. 169,931; July 3.
- Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Preparations for protecting animal substances against the noxious effects of chemicals. 169,799; July 3; Serial No. 170,232; published Mar. 27, 1923.
- Advance Manufacturing Co., St. Louis, Mo. Two-wheeled children's coaster vehicles. 169,871; July 3; Serial No. 174,684; published Apr. 3, 1923.
- Alice-Louise Co. (See Lynch, Alice L.)
- American Plant Company. (See Head, Broadus J.)
- Anthony Company, Streator, Ill. Vehicle bodies and parts. 169,915; July 3.
- Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 169,935; July 3.
- Associated Publishers of Iowa, The, Waterloo, Iowa. Periodically-issued literary supplements. 169,796; July 3; Serial No. 169,741; published Mar. 27, 1923.
- Atlantic Refining Company, The, Philadelphia, Pa. Petroleum grease. 169,869; July 3; Serial No. 174,814; published Mar. 20, 1923.
- Baker Paint & Varnish Co., Jersey City, N. J. Paints, varnishes, putties, dry colors, white lead, etc. 169,872; July 3; Serial No. 174,605; published Apr. 3, 1923.
- Baker Paint & Varnish Co., Jersey City, N. J. Paint enamels. 169,873; July 3; Serial No. 174,604; published Apr. 3, 1923.
- Barrett Company, The, New York, N. Y. Ready-mixed paint and paint thinner. 169,829; July 3; Serial No. 173,269; published Apr. 3, 1923.
- Bela Company, The. (See Yorita, George.)
- Benson, Thomas L., doing business as Shreveport Chemical Company, Shreveport, La. Material used to hasten the setting and lower the freezing point of cement. 169,922; July 3.
- Bersted Manufacturing Company, Chicago, Ill. Locking door handles. 169,904; July 3; Serial No. 171,060; published Apr. 3, 1923.
- Bissell, Lloyd, doing business as Star Piston Pin Co., Buffalo, N. Y. Piston pins. 169,888; July 3; Serial No. 155,427; published May 16, 1922.
- Blakely, Harry C., New Britain, Conn. Potato chips. 169,773; July 3; Serial No. 168,913; published Apr. 3, 1923.
- Bobwhite Chemical Corporation, New York, N. Y. Insecticides, bactericides, fungicides, etc., for plants. 169,791-2; July 3; Serial Nos. 168,953-4; published Mar. 27, 1923.
- Boiler Scale Dissolvent Corp., Buffalo, N. Y. Compound for dissolving and removing scale and rust from boilers, etc. 169,780; July 3; Serial No. 172,318; published Mar. 27, 1923.
- Bossard, Jean, doing business as Institut de Beaute (Castiglione, Paris, France. Perfume, toilet water, face powder, rouge, etc. 169,909; July 3; Serial No. 170,618; published Mar. 6, 1923.
- Bradford Dyers' Association, Limited, The, Bradford, England. Dyed cotton piece goods. 169,782; July 3; Serial No. 122,624; published Mar. 20, 1923.
- Bradford Dyers' Association, Limited, The, Bradford, England. Cotton, artificial-silk, silk, and woolen piece goods and admixtures of same. 169,783; July 3; Serial No. 122,625; published Mar. 27, 1923.
- Broome, Ernest L., New York, N. Y. Hydraulic gates. 169,858; July 3; Serial No. 172,028; published Apr. 10, 1923.
- Buczkowski, John J., doing business as Hoosier Cleanser Mfg. Co., South Bend, Ind. Water-softening compound. 169,900; July 3; Serial No. 171,571; published Feb. 27, 1923.
- Burke, Frank G., doing business as Manhattan Soap Company, New York, N. Y. Soap for toilet, bath, laundry, etc. 169,781; July 3; Serial No. 172,508; published Mar. 27, 1923.
- Cameron, Will J., doing business as Cameron's Surgical Specialty Co., Chicago, Ill. Outfit of surgical and dental appliances. 169,893; July 3; Serial No. 160,928; published Mar. 27, 1923.
- Canton Cutlery Co., The, assignor to The Canton Cutlery Company, Canton, Ohio. Pocket cutlery and razors. 19,480; renewed May 12, 1921.
- Capitola Tonic Comb Co., New York, N. Y. Fountain combs capable of containing a liquid for passage through the hair. 169,827; July 3; Serial No. 173,463; published Apr. 3, 1923.
- Caron Corporation. (See Daltroff, E., and Cie.)
- Certified Laboratories, Inc., Newark, N. J. New fuel intensifier and carbon remover. 169,821; July 3; Serial No. 168,632; published Mar. 13, 1923.
- Chappell, Alexander W., doing business as Dr. R. H. Kline Co., Red Bank, N. J. Medicinal preparation acting as a system cleanser and regulator. 169,834; July 3; Serial No. 173,030; published Mar. 6, 1923.
- Chemische Fabriken vorm. Weiler-ter Meer, Uerdingen, Germany. Impregnating material for use as a preservative. 169,759-61; July 3; Serial No. 170,124-6; published Mar. 6, 1923.
- Chicago Nipple Manufacturing Co., Chicago, Ill. Metal pipe nipples. 169,805; July 3; Serial No. 163,502; published Apr. 10, 1923.
- Chicago Thrift Company, Chicago, Ill. Portable banks. 169,930; July 3.
- Clares Chemical Works. (See Smith, J. Elmer.)
- Clark Tractor Company, Buchanan, Mich. Tractors. 169,868; July 3; Serial No. 175,135; published Apr. 10, 1923.
- Clarke Chemical Co., The, Kansas City, Mo. Medicine for the treatment of ulcerative and diseased conditions of the mouth and throat. 169,767; July 3; Serial No. 169,283; published Mar. 13, 1923.
- Cleveland Twist Drill Company, The, Cleveland, Ohio. Metal-working small tools. 169,822; July 3; Serial No. 174,358; published Apr. 10, 1923.
- Coleman and Company Limited, Norwich, England. Liquor or liquid preparation containing malt. 169,877; July 3; Serial No. 140,917; published Apr. 3, 1923.
- Colgate & Company, Jersey City, N. J. Perfumes, perfume powders, and toilet waters. 169,757; July 3; Serial No. 171,201; published Mar. 27, 1923.
- Collegian, The, Minneapolis, Minn. Neckties, cravats, scarfs, hats, caps. 169,881; July 3; Serial No. 148,973; published Apr. 3, 1923.
- Columbian Steel Tank Company. (See Kramer, Andrew A.)
- Congoleum Company. (See Salem Manufacturing Company, assignor.)
- Connolly, Ira, doing business as Empire Chemical Co., Hanna, W. Va. Liniment. 169,901; July 3; Serial No. 171,485; published Mar. 13, 1923.
- Cory, Chas. & Son, Inc., New York, N. Y. Ships' mechanical telegraph transmitter-indicator equipment. 169,921; July 3.
- Crete-Petrol Company. (See Neiswender Lisle W.)
- Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation. Perfume, toilet water, rouges, etc. 169,938; July 3.
- Dare, Charles F., & Son, Inc., Bridgeton, N. J. Medical compound for diseases of the stomach. 169,779; July 3; Serial No. 172,265; published Mar. 27, 1923.
- Dealers Supply Company, Indianapolis, Ind. Motor oil. 169,944; July 3.
- Delta Chemical Company. (See Harrison, Wilford.)
- Dewma Company. (See McAllister, William E.)
- Dixie Laboratories, Atlanta, Ga. Hair tonic. 169,885; July 3; Serial No. 154,015; published Nov. 28, 1922.
- Dorfman & Miller, New York, N. Y. Coats for children, juniors, misses and ladies. 169,765; July 3; Serial No. 169,396; published Apr. 3, 1923.
- Du Pont, E. I., de Nemours & Company, Wilmington, Del. Fungicide, seed disinfectant, general disinfectant. 169,853; July 3; Serial No. 172,263; published Mar. 13, 1923.
- Dyer, B. H., Company, Philadelphia, Pa. Hot bottles for medical purposes. 169,772; July 3; Serial No. 169,053; published Apr. 3, 1923.
- Eagle Picher Lead Company, The, Cincinnati, Ohio. Pure white lead. 169,906; July 3; Serial No. 170,757; published Apr. 3, 1923.
- Elmer & Amend, New York, N. Y. Beaker tongs. 169,870; July 3; Serial No. 174,691; published Apr. 10, 1923.
- Eisele & Co., Nashville, Tenn. Clinical thermometers, hypodermic and urethral syringes, eye droppers, etc. 169,826; July 3; Serial No. 173,959; published Apr. 3, 1923.
- Empire Chemical Co. (See Connolly, Ira.)
- Empire Shield Co., New York, N. Y. Dress shields. 169,890; July 3; Serial No. 159,308; published Mar. 27, 1923.
- Enterprise Paint Mfg. Co., Chicago, Ill. Ready-mixed and paste paints, varnishes, and paint enamels. 169,825; July 3; Serial No. 174,001; published Apr. 3, 1923.
- Evan Williams Company Limited, London, England. Shampoo powder. 169,908; July 3; Serial No. 170,715; published Mar. 6, 1923.
- Fabrik Pharmacia M. Schmidt & Co. (See Schmidt, Gerhard F.)
- Falstaff Corporation, St. Louis, Mo. Malt extract. 169,803; July 3; Serial No. 161,831; published Apr. 3, 1923.
- Federal Cartridge Corporation, The, Minneapolis, Minn. Shotgun shells and cartridges. 169,923; July 3.
- Fleckenstein, C. G., Co., Muskegon, Mich. Sole leather. 169,814; July 3; Serial No. 167,386; published Apr. 3, 1923.
- Fox Furnace Company, The, Elyria, Ohio. Coal furnaces. 169,918; July 3.

- Frees, H. E., Co., The, Chicago, Ill. Citrate of magnesia. 169,848; July 3; Serial No. 172,871; published Mar. 13, 1923.
- General Electric Company, Schenectady, N. Y. Publication. 169,788; July 3; Serial No. 167,389; published Mar. 27, 1923.
- Globe Rubber Tire Manufacturing Co., Trenton, N. J. Nonmetallic pneumatic tires and inner tubes. 169,865; July 3; Serial No. 175,589; published Apr. 3, 1923.
- Godefroy, Charles W., St. Louis, Mo. Face powders and bleaches and liquid rouge. 169,879; July 3; Serial No. 142,840; published June 14, 1921.
- Golding Fabrics Corporation, New York, N. Y. Piece goods made of silk. 169,800; July 3; Serial No. 170,277; published Mar. 27, 1923.
- Goodrich, B. F., Company, The, New York, N. Y. Pneumatic-tire casings made of rubber combined with fabric. 169,849; July 3; Serial No. 172,472; published Apr. 3, 1923.
- Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. 169,838; July 3; Serial No. 172,987; published Mar. 6, 1923.
- Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. 169,839; July 3; Serial No. 172,986; published Apr. 3, 1923.
- Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 169,913; July 3; Serial No. 170,377; published Apr. 3, 1923.
- Gross, L. N., Company, The, Cleveland, Ohio. Women's bloomers. 169,769; July 3; Serial No. 169,240; published Apr. 3, 1923.
- Gruenhausen's, San Francisco, Calif. Chocolate fruit bar. 169,777; July 3; Serial No. 168,766; published Apr. 3, 1923.
- Guerra, M. G., Co. Inc., New York, N. Y. Table and bed linen, handkerchiefs, towels, curtains, etc. 169,862; July 3; Serial No. 175,786; published Apr. 3, 1923.
- Guild Products Corporation, Philadelphia, Pa. Ink eradiator. 169,810; July 3; Serial No. 165,544; published Mar. 13, 1923.
- Hardwick-Hutchins Manufacturing Company, Chattanooga, Tenn. Chemical used in the brazing and welding of metals. 169,806; July 3; Serial No. 164,163; published Mar. 13, 1923.
- Harris, James G., doing business as Harris Chemical Company, Duluth, Minn. Liniment. 169,903; July 3; Serial No. 171,358; published Mar. 6, 1923.
- Harrison, Wilford, doing business as Delta Chemical Company, Wichita Falls, Tex. Laxative or mild purgative pill preparation. 169,776; July 3; Serial No. 168,865; published Mar. 6, 1923.
- Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned pineapple. 169,819; July 3; Serial No. 168,109; published Apr. 3, 1923.
- Head, Broadus J., doing business as American Plant Company, Alma, Ga. Potato, cabbage, etc., plants, and sweet potatoes. 169,926; July 3.
- Heller, B., & Company, Chicago, Ill. Disinfectant and deodorizer. 169,836; July 3; Serial No. 172,991; published Mar. 13, 1923.
- Heller, B., & Company, Chicago, Ill. Chemical preparation for use in keeping sausage, kidneys, tongues, etc., in a good condition. 169,837; July 3; Serial No. 172,989; published Mar. 6, 1923.
- Henning Wennersten Incorporated, Chicago, Ill. Malt extracts. 169,828; July 3; Serial No. 173,422; published Apr. 3, 1923.
- Heroic Gum Remedy Company, Atlanta, Ga. Preparation for treatment of Riggs' disease, pyorrhea, ulcerated mouth, etc. 169,795; July 3; Serial No. 169,246; published Mar. 20, 1923.
- Hiatt, Arthur R., Stockport, Iowa. Antiseptic capsules for women and antiseptic liniment for general pains. 169,817; July 3; Serial No. 167,982; published Mar. 6, 1923.
- Hirschfelder & Meaney, San Francisco, Calif. Baggage—namely, trunks, grips, suitcases, etc. 169,924; July 3.
- Hoenig, Morris J., Newark, N. J. Completely-printed books. 169,789; July 3; Serial No. 168,470; published Mar. 27, 1923.
- Hoosier Cleanser Mfg. Co. (See Buczkowski, John J.)
- Hudnut, Richard, New York, N. Y. Compact powders and rouge. 169,753-4; July 3; Serial No. 171,461-2; published Mar. 27, 1923.
- Hunt, Chester L., Orange, Mass. Candy. 169,943; July 3.
- Hunt-Lasher Company, Inc., Lynn, Mass. Alcohol torches. 169,919; July 3.
- Hutchinson Manufacturing Co., Inc., Norristown, Pa. Combination woodworking machines. 169,856; July 3; Serial No. 172,094; published Apr. 10, 1923.
- Huyler's, New York, N. Y. Candy, cocoa, chocolate, etc. 169,758; July 3; Serial No. 135,754; published Mar. 27, 1923.
- Indianapolis Abattoir Company, Indianapolis, Ind. Hams, shoulders, bacon, sausage, etc. 169,929; July 3.
- Institut de Beaute Castiglione. (See Bossard, Jean.)
- Jean Jordeau Inc., South Orange, N. J., and New York, N. Y. Skin lotions and creams. 169,775; July 3; Serial No. 168,893; published Mar. 6, 1923.
- Joannes Bros. Co., Green Bay, Wis. Jar rubbers. 169,846; July 3; Serial No. 172,880; published Apr. 3, 1923.
- Joannes Bros. Co., Green Bay, Wis. Bluing, laundry starch, baking powder, and lye. 169,847; July 3; Serial No. 172,879; published Mar. 13, 1923.
- Johnston United Chemical Co., Inc., Clare, Mich. Fly and insect mist. 169,749; July 3; Serial No. 172,224; published Mar. 27, 1923.
- Jordan Marsh Company, Boston, Mass. Men's hats, caps, shirts, underwear, etc. 169,763; July 3; Serial No. 169,490; published Apr. 3, 1923.
- Kallina Company, Buffalo, N. Y. Medicinal tablets for disorders of the stomach and bowels, face and skin lotions, etc. 169,771; July 3; Serial No. 169,169; published Mar. 6, 1923.
- Kanders Pharmacal Co., New York, N. Y. Toilet preparation for softening and whitening chapped and rough skin. 169,844; July 3; Serial No. 172,882; published Mar. 13, 1923.
- Kansas-Texas Petroleum Co., The, Wichita, Kans. Lubricating and heat, power, and light producing oils, and gasoline. 169,916; July 3, 1923.
- King Coal Company, San Francisco, Calif. Coal. 169,816; July 3; Serial No. 167,966; published Apr. 3, 1923.
- Kleen Products Co. (See Tietjen, G. D.)
- Kline, Dr. R. H., Co. (See Chappell, Alexander W.)
- Knox, Albert W., Los Angeles, Calif. Laxative powders. 169,942; July 3.
- Kramer, Andrew A., doing business as Columbian Steel Tank Company, Kansas City, Mo. Sheet metal tanks. 169,932; July 3.
- Laboratorium Leo. (See v. Mayenburg, Ottomar H.)
- Lambert, Cecil H., Buffalo, N. Y. Device for opening and closing fruit jars and containers. 169,927; July 3.
- Lawrence, William, & Co., Limited, Colwick, England. Furniture and upholstery. 169,875; July 3; Serial No. 134,969; published Apr. 3, 1923.
- Lee, Virgil, Toronto, Ontario, Canada. Greaseless hair dressing and tonic. 169,887; July 3; Serial No. 155,353; published Mar. 6, 1923.
- Leech, Arthur L., Co., The, Kennebunk, Me. Flavorings and extracts. 169,892; July 3; Serial No. 160,889; published Apr. 3, 1923.
- Lightfoot Schultz Company, Hoboken, N. J. Face powders and creams, perfumes, toilet waters, rouges, etc. 169,845; July 3; Serial No. 172,947; published Mar. 13, 1923.
- Lips Specialty Candy Co. (See Lipschultz, Louis L.)
- Lipschultz, Louis L., doing business as Lips Specialty Candy Co., Chicago, Ill. Candy. 169,766; July 3; Serial No. 169,311; published Apr. 3, 1923.
- Lousols Philadelphia, Philadelphia, Pa. Ladies', women's, and misses' gowns, wraps, dresses, coats, etc. 169,774; July 3; Serial No. 168,901; published Apr. 3, 1923.
- Luckel, King & Cake Soap Company, Portland, Oreg. Laundry soap. 169,936; July 3.
- Lynch, Alice L., doing business as Alice-Louise Co., New York, N. Y. Face creams and powders, perfumes, toilet waters, rouges, etc. 169,843; July 3; Serial No. 172,950; published Mar. 13, 1923.
- McAllister, William E., doing business as Dewma Company, South Bend, Ind. Gallstone medicine. 169,899; July 3; Serial No. 171,585; published Mar. 13, 1923.
- McDevitt, Leo R., Pawtucket, R. I. Visible traffic signals for motor vehicles. 169,914; July 3.
- Malone, Annie M., doing business as Poro College, St. Louis, Mo. Liquid and ointment preparations for promoting the growth of the hair, shampoo, etc. 169,751; July 3; Serial No. 171,464; published Mar. 27, 1923.
- Manhattan Soap Company. (See Burke, Frank G.)
- Marshall Field & Company, Chicago, Ill. Lingerie trimming, fancy braids, etc. 169,880; July 3; Serial No. 146,584; published Feb. 21, 1922.
- Marshall Field & Company, Chicago, Ill. Sateen in the piece. 169,933; July 3.
- Maybreath Company, Chicago, Ill. Purifying deodorant for mouth and stomach. 169,857; July 3; Serial No. 172,050; published Mar. 13, 1923.
- Maynard Coal Company, The, Columbus, Ohio. Bituminous coal. 169,889; July 3; Serial No. 158,191; published Apr. 3, 1923.
- Mayo, Jesse W., Osage City, Kans. Face lotion. 169,907; July 3; Serial No. 170,722; published Mar. 6, 1923.
- Meller, Alice R., doing business as The Sani Scalp Co., Pittsburgh, Pa. Preparation for treatment of dandruff and other disorders of the scalp. 169,768; July 3; Serial No. 169,253; published Mar. 13, 1923.
- Meyer, Theodore, Philadelphia, Pa. Insecticide and disinfecting deodorant. 169,861; July 3; Serial No. 171,738; published Mar. 20, 1923.
- Meyer, Theodore, Philadelphia, Pa. Insecticide. 169,894-5; July 3; Serial Nos. 171,736-7; published Mar. 20, 1923.
- Meyer, Theodore, Philadelphia, Pa. Preparation for exterminating rodents and vermin. 169,896; July 3; Serial No. 171,735; published Mar. 20, 1923.
- Meyer, Theodore, Philadelphia, Pa. Ant-poisoning compound. 169,897; July 3; Serial No. 171,734; published Mar. 30, 1923.
- Millar, Geo. W., & Co., Inc., New York, N. Y. Wrapping paper. 169,823; July 3; Serial No. 174,319; published Mar. 27, 1923.
- Mitchely, William E., Williamsport, Pa. Medicine used in the treatment of cancer. 169,785; July 3; Serial No. 154,229; published Mar. 27, 1923.

- Moser & Co. Inc., New York, N. Y. Bating material used in tanning leather. 169,833; July 3; Serial No. 173,101; published Apr. 3, 1923.
- Murato Company, The, New York and New Brighton, N. Y. Wall size in dry powder form. 169,830; July 3; Serial No. 173,201; published Apr. 3, 1923.
- Nakamura, Shiro, Los Angeles, Calif. Tablets to be used in the treatment of heart disease, rheumatism, etc. 169,882; July 3; Serial No. 153,686; published Mar. 13, 1923.
- National Twist Drill & Tool Company, Detroit, Mich. Milling cutters. 169,920; July 3.
- Neiswender, Lisle W., doing business as Creme-Petrol Company, Columbus, Ohio. Medicinal oils. 169,884; July 3; Serial No. 154,700; published Mar. 13, 1923.
- Nickles Manufacturing Company, Bristol, Va. Ladies', misses', and children's dresses. 169,770; July 3; Serial No. 169,179; published Apr. 3, 1923.
- North American Fur Dyeing Company, Newark, N. J. Fur skins. 169,859; July 3; Serial No. 171,883; published Apr. 3, 1923.
- Owl Drug Company, The, San Francisco, Calif. Canvas-shoe dressing and cleaner. 169,934; July 3.
- P. & S. Laboratories. (See Stinson, Lyman A.)
- Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. 169,864; July 3; Serial No. 175,677; published Apr. 3, 1923.
- Paramount Lens Corporation. (See Tromba, Marius H.)
- Parfumerie Caron. (See Daltroff, E., & Cie.)
- Parfumerie Pavane, New York, N. Y. Bath powders. 169,790; July 3; Serial No. 168,900; published Mar. 20, 1923.
- Parfumerie Roger et Gallet, Paris, France. Pastes and powders for beautifying and preserving the teeth, skin, and hair, and perfumery. 169,832; July 3; Serial No. 173,141; published Mar. 20, 1923.
- Parkview Pharmacy. (See Smolinsky, Phillip.)
- Pedersen, Johannes T., New York, N. Y. Coffee-bag supports as used in coffee urns. 169,850; July 3; Serial No. 172,432; published Apr. 10, 1923.
- Perceval, C., New York, N. Y. Canned soups, truffles, cherries, turtle meat. 169,940; July 3.
- Phospho-Albumen Company, Incorporated, The, Newburgh, N. Y. Pharmaceutical preparations for the treatment of nervous diseases, etc. 169,831; July 3; Serial No. 173,146; published Mar. 13, 1923.
- Phospho-Albumen Company, Inc., The, Newburgh, N. Y. Pharmaceutical preparation for strengthening the genital glands, etc. 169,835; July 3; Serial No. 173,005; published Mar. 6, 1923.
- Pine Balm Company, The, Shady Dale, Ga. Antiseptic oil for all pains, influenza, asthma, etc. 169,941; July 3.
- Poro College. (See Malone, Annie M.)
- Radio Waves Publishing Co., Portland, Oreg. Name of a monthly magazine. 169,797; July 3; Serial No. 169,825; published Mar. 27, 1923.
- Raffetto, G. B., Inc., New York, N. Y. Sweet-pickled watermelon rind. 169,762; July 3; Serial No. 169,561; published Apr. 3, 1923.
- Ramapo Ajax Corporation, New York, N. Y. Track frogs, crossings, guard rails, etc. 169,851; July 3; Serial No. 172,395; published Apr. 10, 1923.
- Re-Al-Jo Products Company, Waterloo Iowa. Cosmetics including creams, powders, rouges, etc. 169,842; July 3; Serial No. 172,959; published Mar. 13, 1923.
- Redland Citrus Growers Association, Homestead, Fla. Fresh citrous fruits. 169,818; July 3; Serial No. 168,068; published Apr. 3, 1923.
- Requa Bros., Cold Spring Harbor, N. Y. Baking powder. 169,801; July 3; Serial No. 170,833; published Mar. 27, 1923.
- Romeo, Dominick, Paterson, N. J. Palliative for venereal diseases. 169,911; July 3; Serial No. 170,449; published Mar. 6, 1923.
- Rubber Service Laboratories Company, The, Akron, Ohio. Accelerators, fillers, pigments, etc., used in the compounding of rubber articles. 169,902; July 3; Serial No. 171,469; published Feb. 27, 1923.
- Salem Manufacturing Company, Salem, N. J., and New York, N. Y., assignor to Congoleum Company, Inc., Philadelphia, Pa. Floor coverings. 169,824; July 3; Serial No. 174,153; published Apr. 3, 1923.
- Sanborn Weatherwear Coat Co., Inc., New York, N. Y. Coats, capes, mantles, and raincoats. 169,937; July 3.
- Sani Scalp Co., The. (See Meller, Alice R.)
- Schmidt, Gerhard F., doing business as Fabrik Pharmacia M. Schmidt & Co., Munich, Germany. Medicinal tablets for use as a general tonic. 169,876; July 3; Serial No. 137,033; published Mar. 6, 1923.
- Schwarz, Max, Textile Corporation, New York, N. Y. Voile in the piece. 169,905; July 3; Serial No. 170,795; published Mar. 27, 1923.
- Schwerin, Albert A., sr., Kingman, Ariz. Medicinal preparation for the treatment of toothache and pyorrhea. 169,855; July 3; Serial No. 172,124; published Mar. 6, 1923.
- Scott & Fetzler Company, The, Cleveland, Ohio. Carpet sweepers. 169,917; July 3.
- Segerstrom, Emil B., Anaheim, Calif. Soap, soap paste and powder. 169,755; July 3; Serial No. 171,390; published Mar. 27, 1923.
- Sexauer, J. A., Mfg. Co., New York, N. Y. Rubber cushions, washers, packings, gaskets, etc. 169,925; July 3.
- Sexton, John, and Company, Chicago, Ill. Baking powder, table salt, fruit and vegetable coloring, lye, glycerin, etc. 169,883; July 3; Serial No. 153,696; published Mar. 6, 1923.
- Shaw, William T., doing business as Shoemaco Mfg. Co., Bellevue, Ohio. Foot powder. 169,786; July 3; Serial No. 155,709; published Mar. 20, 1923.
- Shell Company of California, San Francisco, Calif. Gasoline. 169,945; July 3.
- Shoemaco Mfg. Co. (See Shaw, William T.)
- Shores-Mueller Company, Cedar Rapids, Iowa. Pharmaceutical and medicinal preparations for treating animals, antiseptics, germicides, etc. 169,841; July 3; Serial No. 172,962; published Mar. 13, 1923.
- Shreveport Chemical Company. (See Benson, Thomas L.)
- Slattery, Samuel C., Port Angeles, Wash. Insecticides. 169,912; July 3; Serial No. 170,408; published Mar. 6, 1923.
- Smith & Hemmenway Company, New York, N. Y., and Irvington, N. J. Augers, automobile tire irons, awls, axes, etc. 169,874; July 3; Serial No. 125,806; published Nov. 9, 1920.
- Smith, J. Elmer, doing business as Claressa Chemical Works, Irwin, Pa. Metal and working board polishes, tile, and marble cleaner and soap chips. 169,793; July 3; Serial No. 169,036; published Mar. 27, 1923.
- Smith, James R., Dayton, Ohio. Hair restorer. 169,802; July 3; Serial No. 168,652; published Mar. 13, 1923.
- Smolinsky, Phillip, doing business as Parkview Pharmacy, Kansas City, Mo. Ice cream. 169,812; July 3; Serial No. 166,725; published Apr. 3, 1923.
- Societe Anonyme la Biotherapie, (Societe Anonyme de Produits Chimiques Biologiques et d'Hygiene), Paris, France. Dentifrices. 169,756; July 3; Serial No. 171,289; published Mar. 27, 1923.
- Societe des Produits Chimiques Speciaux Brevets Lumiere, Lyon, France. Medicine used as a calmant in antispasmodic. 169,860; July 3; Serial No. 171,821; published Mar. 20, 1923.
- Southern Laboratories, Inc., Atlanta, Ga. Liquid tonic. 169,750; July 3; Serial No. 172,064; published Mar. 27, 1923.
- Standard Laboratories, Inc., Los Angeles, Calif. Pomades for the hair. 169,867; July 3; Serial No. 175,222; published Mar. 13, 1923.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Wool oil used for cleansing or washing the wool after it is sheared from the sheep. 169,898; July 3; Serial No. 171,665; published Mar. 13, 1923.
- Star Piston Pin Co. (See Bissell, Lloyd.)
- Stevens & Company, Inc., Providence, R. I. Ophthalmic mountings and parts thereof. 169,866; July 3; Serial No. 175,224; published Apr. 10, 1923.
- Stinson, Lyman A., doing business as P. & S. Laboratories, Sandwich, Ill. Preparation for the treatment of the eyes. 169,854; July 3; Serial No. 172,243; Mar. 6, 1923.
- Swan, May B., doing business as Madame J. E. Swan, New York, N. Y. Hair gloss and grower. 169,778; July 3; Serial No. 168,737; published Mar. 13, 1923.
- Tietjen, George D., doing business as Kleen Products Co., Hasbrouck Heights, N. J. Germicide scalp-cleanser. 169,764; July 3; Serial No. 169,459; published Mar. 6, 1923.
- Tromba, Marius H., doing business as Paramount Lens Corporation, Brooklyn, N. Y. Photographic, projecting, and optical lenses. 169,804; July 3; Serial No. 162,327; published Apr. 10, 1923.
- Tropical Worsted Company, Inc., New York, N. Y. Tropical worsted piece goods. 169,798; July 3; Serial No. 169,836; published Mar. 27, 1923.
- Tuxedo Shirt Co. Inc., New York, N. Y. Silk piece goods. 169,928; July 3.
- Tuxedo Shirt Co., Inc., New York, N. Y. Silk piece goods and crepe piece goods. 169,939; July 3.
- United Retail Chemists Corporation, New York, N. Y. Tooth paste. 169,784; July 3; Serial No. 149,039; published Mar. 27, 1923.
- United Retail Chemists Corporation, New York, N. Y. Emulsion of cod-liver oil, sirup of white pine and tar, aspirin, etc. 169,886; July 3; Serial No. 154,773; published Mar. 13, 1923.
- V. Maynburg, Ottmar H., doing business as Laboratorium Leo, Dresden, Germany. Tooth paste and powder, and mouth wash. 169,787; July 3; Serial No. 156,996; published Mar. 27, 1923.
- Vail Brothers, Philadelphia, Pa. Pomade for the scalp and hair. 169,809; July 3; Serial No. 165,048; published Mar. 13, 1923.
- Verein für Chemische und Metallurgische Produktion, Aussig, Czechoslovakia. Decolorizing charcoal for use for mineral and vegetable oils. 169,813; July 3; Serial No. 167,372; published Mar. 13, 1923.
- Victor-American Fuel Company, The, Portland, Me., and Denver, Colo. Coal. 169,807; July 3; Serial No. 164,472; published Apr. 3, 1923.

Victor-American Fuel Company, The, Portland, Me., and Denver, Colo. Coal. 169,808; July 3; Serial No. 164,476; published Apr. 3, 1923.

Victory V Belt Co., Catasaugua, Pa. Link belts. 169,815; July 3; Serial No. 167,744; published Apr. 10, 1923.

Viller & Prost, Paris, France. Furniture and automobile polish. 169,891; July 3; Serial No. 159,449; published Apr. 3, 1923.

Vitro Manufacturing Company, The, Pittsburgh, Pa. Ready-prepared ceramic glazes and enamels. 169,820; July 3; Serial No. 168,625; published Apr. 3, 1923.

W. V-B. Ames Company, The, Fremont, Ohio. Dental cement. 169,863; July 3; Serial No. 175,696; published Apr. 3, 1923.

Welch, C. S. Company, The, New York, N. Y. Perfumed addition for the bath. 169,910; July 3; Serial No. 170,599; published Mar. 13, 1923.

Wiarda & Hall Acid Works, Inc., Brooklyn, N. Y. Heavy chemicals and acids. 169,794; July 3; Serial No. 169,106; published Mar. 20, 1923.

Wing Lee Wai Company, San Francisco, Calif. Medicinal herb preparation used as a general tonic. 169,852; July 3; Serial No. 172,304; published Mar. 6, 1923.

Wollgarnfabrik Fulda G. m. b. H., Fulda, Germany. Wool yarn. 169,752; July 3; Serial No. 171,677; published Mar. 27, 1923.

Wright Accessories Corporation, Atlanta, Ga. Locking device for automobiles that functions by engaging the flywheel through the transmission. 169,878; July 3; Serial No. 137,984; published Apr. 12, 1921.

Wykoff Company, The, Wheeling, W. Va. Cough medicine. 169,840; July 3; Serial No. 172,964; published Mar. 13, 1923.

Yorita, George, doing business as The Bela Company, Los Angeles, Calif. Perfumes. 169,811; July 3; Serial No. 166,617; published Mar. 6, 1923.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. & S. Levy Co., New York, N. Y. Dresses, women's robes and gowns, suits, coats, and waists. 172,001; July 3.

Abbott, Hall & Co., also doing business as John Braadland Ltd. and Venus Packing Co. Canned fish. 177,580; July 3.

Adolph Coors Company, The, Golden, Colo. Bakers' sirup used in making bread and similar articles of food made from malt and corn. 166,591; July 3.

Alert Manufacturing Company. (See Haeseler, Charles H.)

Allen & Lewis, Portland, Oreg. Canned fruits and vegetables. 174,379; July 3.

American Cutlery Company, Chicago, Ill. Table knives of base metal. 149,621; July 3.

Associated Merchandising Corporation, Newark, N. J., and New York, N. Y. Tape. 178,704; July 3.

Associated Merchandizing Corporation, Newark, N. J., and New York, N. Y. Dress shields. 178,705; July 3.

Atlas Hammock Co., New York, N. Y. Couch hammocks and stands therefor. 173,048; July 3.

Aut-O-Luk Card Co. (See Storgaard, Henry.)

Auth, N., Prov. Co., Washington, D. C. Bovine and swinish and mutton meats and meat products. 162,092-3; July 3.

Bachman, Jacob, doing business as J. Bachman & Co., New York, N. Y. Leather belting. 177,760; July 3.

Baldacci, Valentino, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy. Pharmaceutical preparations for coughs, whooping cough, etc. 170,921; July 3.

Banks, Llewellyn A., doing business as Citrus Growers Cash Association, Los Angeles, Calif. Fresh citrus and deciduous fruits. 161,959; July 3.

Barash Brothers, Inc., New York, N. Y. Rickrack braid and shirred ribbon elastic. 180,738; July 3.

Barber Asphalt Paving Company, The, Philadelphia, Pa. Asphalt and paving materials containing asphalt. 163,965; July 3.

Bayside Canning Company, Alviso, Calif. Tomato hot sauce, canned vegetables, fruits, and fish. 165,339; July 3.

Beveridge, Melvin H., doing business as Fever Nox Company, Bayles, Calif. Ointments, influenza medicine, laxative tablets, etc. 160,240; July 3.

Bloom Sublyme Shoe Co., Inc., New York and Brooklyn, N. Y. Boots, shoes, slippers, and sandals. 171,524; July 3.

Blum, Isaac, New York, N. Y. Cigarettes. 178,213; July 3.

Bon-Tober Sporting Goods Co., The, Hartford, Conn. Baseballs and baseball gloves. 179,394; July 3.

Boye Needle Co., The, Chicago, Ill. Key chains. 179,773; July 3.

Boykin Machinery & Supply Co., Beaumont, Tex. Oil-well machinery and tools. 174,062; July 3.

Bradland, John, Ltd. (See Abbott, Hall & Co.)

Bradley-Wise Paint Co., Los Angeles, Calif. Paints, varnishes, paint enamels, and dry pigment. 180,732; July 3.

British America Nickel Corp'n Ltd., Ottawa, Ontario, Canada. Nickel sulphate. 143,977; July 3.

British America Nickel Corp'n Ltd., Ottawa, Ontario, Canada. Nickel ammonium sulphate. 143,978; July 3.

Brown, C. C., Candy Co., Los Angeles, Calif. Chocolate candy. 169,279; July 3.

Bruns, A., & Sons, Brooklyn, N. Y. Furniture-moving pads, tents, tarpaulin, awnings, etc. 175,544; July 3.

Buffalo Specialty Company, Buffalo, N. Y. Chemical compositions for removing carbon from internal-combustion engines and the like. 161,522; July 3.

Burrell, D. V., doing business as The Rocky Ford Melon Growers Spray Manufacturing Co., Rocky Ford, Colo. Insecticide. 175,297; July 3.

Butterfield, Charles F., doing business as Dynamite Cleaner Corporation, Salina, Kans. Cleaning compound for hand, kitchen, laundry, etc., purposes. 175,596; July 3.

Caldwell & Company, Nashville, Tenn. Booklets and bonds. 173,562; July 3.

Caldwell, W. A., Camino, Calif. Fresh deciduous fruits. 169,236; July 3.

Calkins, A. Genevieve, doing business as South Norwalk Evening Sentinel, South Norwalk, Conn. Newspaper and magazine articles, prints, and publications. 178,162; July 3.

Campfire Manufacturing Company, St. Louis, Mo. Devices for supporting cooking utensils, etc., over an open fire. 155,737; July 3.

Cause Manufacturing & Importing Co., Boundbrook, N. J., and New York, N. Y. Pineapple glacé, glacé assorted fruits, crystallized ginger. 177,274; July 3.

Chadwin, Leo L., doing business as Protection Tire & Rubber Company, Philadelphia, Pa. Rubber tires and inner tubes. 179,030; July 3.

Chase Foundry and Manufacturing Company, The, Columbus, Ohio. Elevating and conveying, special factory charging, etc., trucks and cars. 165,668; July 3.

Chinook Packing Co., Chinook, Wash. Canned salmon. 172,975; July 3.

Citrus Growers Cash Association. (See Banks, Llewellyn.)

Clinton Copeland Co., Burlington, Iowa. Chocolate candles. 162,532; July 3.

Cobb, Richard H., doing business as The Yeast-O-Mint Co., Cleveland, Ohio. Chewing gum. 155,253; July 3.

Colonial Works, Brooklyn, N. Y. Paste paint and ready-mixed paint. 180,097; July 3.

Coney-Cone Company, The. (See Goodwin, Harry L.)

Corson Shoe Manufacturing Company, Ltd., Toronto, Ontario, Canada. Boots and shoes of leather. 171,205; July 3.

Cotera, Francisco, doing business as The Cotera Brothers, El Paso, Tex. Coffee. 168,208; July 3.

Crawford, McGregor & Canby Company, The, Dayton, Ohio. Golf clubs. 171,623; July 3.

Crawford, Marion L., Malvern, Ohio. Screen scratcher and rubber for use in making bricks, tiles, etc. 173,813; July 3.

Delta Export Lumber Corporation, Memphis, Tenn. Logs. 178,496; July 3.

Denney & Co., Yakima, Wash. Fresh apples. 166,657; July 3.

Dietzgen, Eugene, Co., Chicago, Ill. Ruling, detail ruling, railroad, curve, etc., pens. 175,136; July 3.

Dynamite Cleaner Corporation. (See Butterfield, Charles F.)

Diozone Company. (See Merritt, Hiram.)

Eagle Carburetor Company, The, Cleveland, Ohio. Carburetors and structural parts and fittings therefor. 178,434; July 3.

Eddy, D., and Sons Company, Boston, Mass. Refrigerating apparatus. 179,994; July 3.

Elgot and Giuntini, New York, N. Y. Maltless soda fountain sirups for soft drinks. 177,659; July 3.

Elmer Candy Co., Inc., New Orleans, La. Candy. 175,077; July 3.

Elmer Candy Co., Inc., New Orleans, La. Candy. 175,229; July 3.

Escondido Citrus Union, Escondido, Calif. Fresh oranges and lemons. 177,369; July 3.

Esperson, Niles, doing business as Mid-Continent Clay Company, Peru, Kans. Building bricks and roofing tile. 171,586; July 3.

Euclid Candy Co., The, Cleveland, Ohio. Candy. 176,171; July 3.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

V

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Excelsior Underwear Co. Inc., New York, N. Y. Athletic underwear and pyjamas and shirts for men and boys. 171,910; July 3.
- Farbwerke vorm. Meister Lucius & Bruning, Höchst-on-the-Main, Germany. Preparations for treatment of fever, polyarthritis, etc. 175,078; July 3.
- Feeser, A. W., doing business as A. W. Feeser & Co., Westminster, Silver Run, and Taneytown, Md. Canned vegetables. 174,615; July 3.
- Fever Nox Company. (See Beveridge, Melvin H.)
- Florida Products Company, Inc., New York, N. Y. Maltless carbonated beverages sold as soft drinks. 178,032; July 3.
- Foamite-Childs Corporation, Utica, N. Y. Fire-extinguishing apparatus. 178,984; July 3.
- Foster, Robert V. (See Reish, George L., assignor.)
- Fowler & Slater Co., The, Cleveland, Ohio. Photographic prints. 178,380; July 3.
- Franklin-Caro Company, Inc., Richmond, Va. Chewing gum. 101,984; July 3.
- Franklin Railway Supply Company, New York, N. Y. Auxiliary engines for locomotives. 166,825; July 3.
- French Mfg. Co. (See Smuckler, K.)
- Friedman & Krieger, New York, N. Y. Cotton fabrics. 179,528; July 3.
- Garley Steel Company. (See Hird, Roy G.)
- Gillen-Cole Co., Portland, Oreg. Asbestos mats. 171,312; July 3.
- Giocalas, The, & V. Coyimzoglou, New York, N. Y. Dates. 174,438; July 3.
- Goldman, Harry W., doing business as The Harry W. Goldman Co., Baltimore, Md. Middy blouses, ladies', children's, and misses' dresses, knickers, boys' suits, etc. 177,484; July 3.
- Goodwin, Harry L., doing business as The Coney-Cone Company, assignor to C. G. Rowan, Kansas City, Mo. Ice-cream cones. 165,258; July 3.
- Goodyear Tire & Rubber Company, The, Akron, Ohio. Airships, balloons, kites, aviation and aeronautical accessories. 164,498; July 3.
- Haeseler, Charles H., doing business as Alert Manufacturing Company, Philadelphia, Pa. Condiment containers. 172,834; July 3.
- Hall, A. G., doing business as Hall Rod Works, Highland Mills, N. Y. Fishing lines, rods, snelled hooks, and leaders. 180,065; July 3.
- Hammer-Bray Company, Oakland, Calif. Cookstoves, ranges, etc. 160,604; July 3.
- Harmouth, Gust, Yale, Okla. Photographic prints. 175,392; July 3.
- Harris, William E., Asheville, N. C. Cleaning and polishing combination for leather goods. 176,180; July 3.
- Hasty, M. A., Richmond, Ind. Candy. 175,492; July 3.
- Haynes, George A., Inc., Boston, Mass. Caps or closures for receptacles. 180,762; July 3.
- Hird, Roy G., doing business as Garley Steel Company, Chicago, Ill. Steel sheets, bars, and plates. 176,127; July 3.
- Hockaday Company, The, Chicago, Ill. Wall finishes and reducers. 179,940; July 3.
- Holland Canning Company, Holland, Mich. Canned fruits and vegetables. 171,917; July 3.
- Hoyt, F. M., doing business as F. M. Hoyt & Co., Amesbury, Mass. Salted peanuts and peanut butter. 171,320; July 3.
- Hudson Manufacturing Company, Chicago, Ill. Flavoring extracts for food. 165,493; July 3.
- Hudson Motor Specialties Company, Philadelphia and Frankford, Pa. Transmission or crank casing parts. 158,677; July 3.
- Indianapolis Abattoir Company, Indianapolis, Ind. Hams, shoulders, bacon, sausage, tongues, dried beef, jowls, butts, and lard. 177,380; July 3.
- Ironall Factories Co., The, Cincinnati, Ohio. Overalls, coats, pants, jumpers, combination one-piece suits, and pantaloons for men, and play suits for children. 164,707; July 3.
- Italian Macaroni Production Co. (See Molinelli, Charles.)
- Jaediker, Henry W., New York, N. Y. Ladies' hats. 177,300; July 3.
- James, John & Sons Limited, Redditch, England. Needles for hand sewing. 178,105; July 3.
- Johnson-Locke Mercantile Co., The, San Francisco, Calif. Canned and dried fruits and vegetables. 168,314; July 3.
- Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Decorating outfits. 176,631; July 3.
- Karlin, Hyman, doing business as H. Karlin Co., New York, N. Y. Olive oil. 176,550; July 3.
- Keane Provision Co., Washington, D. C. Sausage and sausage meat. 175,085; July 3.
- Kehoe Preserving Company, Terre Haute, Ind. Vegetable seeds. 176,521; July 3.
- Kennard, Victor P., Greenland, N. H. Jellies. 176,130; July 3.
- King's Food Products Co., Portland, Oreg. Canned and dehydrated fruits and vegetables. 171,129; July 3.
- Kistler Leather Company, South Boston, Mass. Leather. 175,991; July 3.
- Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 179,104; July 3.
- Klug, William, Brooklyn, N. Y. Ice-cream preparation. 174,696; July 3.
- Knitted Textiles Corporation, New York, N. Y., and Allentown, Pa. Woven and knitted textile fabrics in the piece and cotton and wool piece goods. 179,798-9; July 3.
- Knitwear Manufacturing Co., Inc., Brooklyn, N. Y. Knitted sweaters and dress skirts. 157,431; July 3.
- Knothe Brothers Co., Inc., New York, N. Y. Pyjamas, dress and negligee shirts, nightshirts, and men's robes. 171,422; July 3.
- Kolkebeck, John F., New York, N. Y. Leather shoes. 175,723; July 3.
- Krippendorf-Tuttle White Cliff Products Co., The, Cincinnati, Ohio. Ground limestone, chalk whitening, chalk, asphalt filler, and whitening. 176,482; July 3.
- Kumamoto, Miyakichi, doing business as Kumamoto Fish Co., Seattle, Wash. Fish cakes and canned fish. 175,015; July 3.
- Kummer, Upmann & Co., New York, N. Y. Cotton piece goods. 179,608; July 3.
- Levi Strauss & Co., San Francisco, Calif. Men's, youths', and boys' shirts. 153,477; July 3.
- Lewis, James H., doing business as Lewis Economic Co. (Not Inc.), Chicago, Ill. Vegetable and mineral compound for neutralizing lactic acids in whipping cream and eggs. 175,253; July 3.
- Lilly, Eli & Company, The, Indianapolis, Ind. Medicinal preparation to be used as a laxative or cathartic. 161,366; July 3.
- Lowney, Walter M., Company, Boston, Mass. Candy. 177,235; July 3.
- Lowenstein, L. & Son, doing business as National Feather & Pillow Company, Nashville, Tenn. Pillows containing feathers. 157,491; July 3.
- Luckel, King & Cake Soap Company, Portland, Oreg. Laundry soap. 166,457; July 3.
- Master Builders Company, The, Cleveland, Ohio. Preparations to be incorporated with mortar, cement, etc., for the purpose of coloring, hardening, etc., the setting. 170,148; July 3.
- Matthews, Jas. H., & Company, Pittsburgh, Pa. Steel marking dies. 177,791; July 3.
- Max Elb Gesellschaft mit beschränkter Haftung, Dresden, Germany. Perfumery, toilet preparations. 166,176; July 3.
- Mayol, Frank E., Salt Lake City, Utah. Ice cream and frozen dainties. 165,697; July 3.
- Mercier Bros., The, Concord, N. H. Candied pop corn. 175,150; July 3.
- Merritt, Hiram, doing business as Diozone Company, Newburgh, N. Y. Paste for cleaning false teeth. 178,182; July 3.
- Metke, John, doing business as Queen City Specialty Company, Buffalo, N. Y. Waterproof dressing for leather, etc., used for automobile tops. 159,521; July 3.
- Mewhinney, A. B., Co., Inc., Terre Haute, Ind. Candy. 168,481; July 3.
- Micheletti, Dante, Lucca, Italy, and San Francisco, Calif. Olive oil. 174,585; July 3.
- Mid-Continent Clay Company. (See Esperson, Niles.)
- Miller's Book Store, Inc., Atlanta, Ga. Fountain pens. 179,377; July 3.
- Miller-Cummings Company, New York, N. Y. Fresh cantaloupes, melons, grapes, etc. 173,435; July 3.
- Miller-Cummings Company, Inc., New York, N. Y. Fresh cantaloupes. 173,436; July 3.
- Miller & Paine, Inc., Lincoln, Nebr. Candles and candied fruit. 176,750; July 3.
- Miller's, Jacob, Sons Co., Philadelphia, Pa. Knitted and textile fabric undergarments. 172,004; July 3.
- Mills Novelty Company, Chicago, Ill. Flavored sugar tablets. 175,260; July 3.
- Molinelli, Charles, doing business as Italian Macaroni Production Co., Rockaway Beach, N. Y. Pot roast, spaghetti, potted beef, tripe stew, etc. 176,354; July 3.
- Morisse Lace & Embroidery Co., St. Louis, Mo. Braids, tassels, passementeries, and garnitures. 177,983-4; July 3.
- Mott, Thomas K., Los Angeles, Calif. Marmalade, jams, and preserved fruits. 176,850; July 3.
- Mouquin Rt. & Wine Co. Inc., New York, N. Y. Beverages sold as a soft drink. 174,405; July 3.
- N. Kjaergaard Jensens Tekn. Kem. Fabrik, Copenhagen, Denmark. Rennet, junket tablets, and lactic ferment. 154,654; July 3.
- National Electric Products Corporation, Chicago, Ill. Refrigerators and parts, and refrigerating systems. 177,140; July 3.
- National Feather & Pillow Company. (See Lowenstein, L., & Son.)
- Neuss, Hesslein & Co., Inc., New York, N. Y. Printed, bleached, and gray, etc., cotton piece goods. 179,620; July 3.
- New England Confectionery Company, Boston, Mass. Candy. 154,810; July 3.
- Niagara Shoe Company, Inc., Buffalo, N. Y. Shoes of leather, rubber, and fabric. 171,029; July 3.
- Nickel Fabricating Corp., Philipsburg, Pa. Frying pans, saucepans, stock pots, kettles, etc. 174,908; July 3.

- Optische Anstalt C. P. Goerz A. G., Berlin-Friedenau, Germany. Photographic and telescopic objectives, photographic cameras, etc. 169,984; July 3.
- Oregon Growers Cooperative Association, Salem, Oreg. Canned fruits and vegetables. 167,411-2; July 3.
- Oregon Growers Cooperative Association, Salem, Oreg. Canned fruits. 174,851; July 3.
- Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. 180,139; July 3.
- Page & Shaw, Incorporated, Cambridge, Mass. Transparent containers for food products. 179,424; July 3.
- Paine & Williams Company, The, Cleveland, Ohio. Rubber matting. 178,060; July 3.
- Peaslee-Gaulbert Co., Louisville, Ky. Varnish stains and paint enamel. 179,882; July 3.
- Perceval, C., New York, N. Y. Olive oil. 176,913; July 3.
- Perceval, C., New York, N. Y. Canned okra. 177,047; July 3.
- Phelps, Phoebe, Caramel Co., Boston, Mass. Caramels. 177,243; July 3.
- Philadelphia Quartz Company, Philadelphia, Pa. Publications and printed literature. 158,728; July 3.
- Phillips, Leo F., & Co., New York, N. Y. Beads and bead trimming. 165,599; July 3.
- Planters Nut & Chocolate Company, Wilkes-Barre, Pa. Candy. 176,567-8; July 3.
- Pleasant Grove Canning Company, Pleasant Grove, Utah. Fresh deciduous and citrous fruits, fresh vegetables, etc. 171,951; July 3.
- Polygon Products Co., Boston, Mass. Preparation for cleaning fabric, leather, and woodwork, etc. 177,515; July 3.
- Powers, Friend & Lichtman, New York, N. Y. Fringes and art needlework. 179,426; July 3.
- Pratt & Whitney Company, New York, N. Y. Caliper gauges. 164,452; July 3.
- President Suspender Company, Shirley, Mass. Garters. 166,787; July 3.
- Protection Tire & Rubber Company. (See Chadwin, Leo L.)
- Queen City Extract Company, The, Cincinnati, Ohio. Grape-flavored sirup for food purposes. 163,595; July 3.
- Queen City Specialty Company. (See Metke, John.)
- Ray-Maling Co., Inc., Portland, Oreg. Canned fruits. 175,809; July 3.
- Ray-Maling Co., Inc., Portland, Oreg. Canned fruits, berries, and vegetables. 175,810; July 3.
- Ray-Maling Co., Inc., Portland, Oreg. Canned fruits and berries. 175,812; July 3.
- Reid Bros., Inc., San Francisco, Calif., and Seattle, Wash. Metal and wood aseptic furniture. 168,790; July 3.
- Reish, George L., assignor to R. V. Foster, Mifflinburg, Pa. Leather preservatives. 175,324; July 3.
- Richter Card & Paper Co., Inc., New York, N. Y. Announcements. 179,224; July 3.
- Rocky Ford Melon Growers Spray Manufacturing Co. (See Burrell, D. V.)
- Roe, William G., Winterhaven, Fla. Fresh citrous fruits. 177,410; July 3.
- Rowan, C. G. (See Goodwin, Harry L., assignor.)
- Sanderson, Arthur N., West Springfield, Mass. Automobile, piano, and furniture polish. 180,082; July 3.
- Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Saws, hammers, sledges, etc. 178,571; July 3.
- Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Saws, hammers, sledges, etc. 178,872; July 3.
- Schaffner Brothers Company, Erie, Pa. Bacon, ham, breakfast-bacon squares. 169,929; July 3.
- Schaffner Brothers Company, Erie, Pa. Sausage, boiled ham, etc. 169,931; July 3.
- Schwarzenbach Huber Company, The, West Hoboken, N. J. Silk and artificial-silk piece goods, cotton, linen, and woolen piece goods, and combinations of same. 180,145; July 3.
- Schwarzenbach Huber Company, The, West Hoboken, N. J. Cotton-back satin in the piece. 180,146; July 3.
- Seacoast Canning Company, Eastport, Me. Canned tunny fish. 173,303; July 3.
- Security Cement & Lime Co., Hagerstown, Md. Ground and hydrated lime. 165,760; July 3.
- Seidenberg, R. J., Co., Buffalo, N. Y. Cigars. 178,003; July 3.
- Sethness Company, Chicago, Ill. Chocolate malted concentrate for the making of a food drink. 174,265; July 3.
- Shapleigh Hardware Company, St. Louis, Mo. Baby baths, coffee and rice boilers, bowls, etc. 162,358; July 3.
- Shoninger-Heinsheimer Manufacturing Co., Chicago, Ill. Children's cloaks and capes. 171,963; July 3.
- Shoninger-Heinsheimer Manufacturing Co., Chicago, Ill. Juniors' and misses' cloaks, capes, and suits. 171,964; July 3.
- Shute, Bruce T., Sacramento, Calif. Fresh deciduous fruits. 176,221; July 3.
- Sipe, James B., & Company, Pittsburgh, Pa. Primer paint for metal surfaces. 179,325; July 3.
- Sipe, James B., & Co., Pittsburgh, Pa. Paste paint. 179,326; July 3.
- Sipe, James B., & Company, Pittsburgh, Pa. Paint oil to be added to paint. 179,331; July 3.
- Smuckler, K., doing business as French Mfg. Co., Los Angeles, Calif. Automobile and piano polish. 173,939; July 3.
- South Norwalk Evening Sentinel. (See Calkins, A. Genevieve.)
- Standard Syrup Company, St. Louis, Mo. Fruit preserves, honey and mince meat. 177,631; July 3.
- Star Fish & Oyster Co., The, Mobile, Ala. Sea food. 174,156; July 3.
- Steel Products Company, The, Cleveland, Ohio. Poppet valves for internal-combustion engines and tools and parts thereof. 178,069-70; July 3.
- Steele, Jesse A., doing business as Steel Bros., Oakland, Calif. Artificially-prepared mineral water. 176,292; July 3.
- Stockham, Edward V., Inc., Havre de Grace, Md. Pork and beans and canned concentrated strained tomatoes. 158,689; July 3.
- Stone, W. C., Emmett, Idaho. Fresh prunes. 166,020; July 3.
- Storgaard, Henry, doing business as Aut-O-Luk Card Co., Yakima, Wash. Card game. 178,699; July 3.
- Sullivan, Hensley & Ponto, Denver, Colo. Ice-cream confections. 177,145; July 3.
- Sunset Fruit Co., Lodi, Calif. Fresh grapes. 168,387; July 3.
- Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Pants, Norfolk jackets, coats, and vests. 174,221; July 3.
- Taiyo Trading Co., Inc., New York, N. Y. Canned crab meat. 176,769; July 3.
- Taunton Electro-Chemical Company, Taunton, Mass. Soap. 175,277; July 3.
- Taylor, E. E., Co., Boston, Mass. Boots and shoes. 176,293-4; July 3.
- Thompson, James, & Co., New York, N. Y. Netted or wide-mesh fabrics. 179,631; July 3.
- Triple S Service Corporation, Denver, Colo. Granular or powdered antiseptic cleanser for the toilet. 174,370; July 3.
- United Fig & Date Co., The, Chicago, Ill. Nuts and nut products. 157,701; July 3.
- United Fig & Date Company, The, Chicago, Ill. Brazil nuts in the raw state. 176,298; July 3.
- Vary Knit Co., Inc., Union Hill, N. J., and New York, N. Y. Knitted wool and cotton goods in the piece. 179,836; July 3.
- Vaughn Grocery Company, Winston-Salem, N. C. Coffee. 174,948; July 3.
- Venus Packing Co. (See Abbott, Hall & Co.)
- Vortex Mfg. Co., The, Chicago, Ill. Metal holders for paper dishes and dispensing receptacles for paper dishes. 180,311; July 3.
- Wagner, Harry M., doing business as The H. M. Wagner Co., Inc., Baltimore, Md. Coffee. 173,614; July 3.
- Walker Bros. Co., assignor to Za-Rex Food Products Inc., Boston, Mass. Sirups and extracts for flavoring food. 173,261; July 3.
- Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, worsted and cotton, etc., piece goods. 175,569; July 3.
- Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, worsted and cotton, etc., piece goods. 179,902; July 3.
- Weingarten Bros., New York, N. Y. Corsets. 173,061; July 3.
- Wellen, M., & Son, New York, N. Y. Trunks. 163,426; July 3.
- Wendling, George X., San Francisco, Calif. Box shooks. 178,318; July 3.
- West Electric Hair Curler Company, Philadelphia, Pa. Hair curlers. 180,313; July 3.
- Whiting Paper Company, Holyoke, Mass. Writing papers, mailing envelopes, and printing papers. 180,161; July 3.
- Wickes Boiler Company, The, Saginaw, Mich. Steel boilers. 162,860; July 3.
- Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 180,038-9; July 3.
- Wiseman, Carl M., Louisville, Ky. Finger ring and magnifying glasses. 176,520; July 3.
- Wish, Fred A., Incorporated, New York, N. Y. Metal and paper fancy containers and boxes. 180,638; July 3.
- Woodward, John G., & Co. (Inc.), Council Bluffs, Iowa. Candy. 176,238; July 3.
- Yeast-O-Mint Co., The. (See Cobb, Richard H.)
- Za-Rex Food Products Inc. (See Walker Bros. Co., assignor.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal, King Coal Company. 169,816; July 3; Serial No. 167,966; published Apr. 3, 1923.
 Coal, Victor-American Fuel Company. 169,807; July 3; Serial No. 164,472; published Apr. 3, 1923.
 Coal, Victor-American Fuel Company. 169,808; July 3; Serial No. 164,476; published Apr. 3, 1923.
 Coal, Bituminous, Maynard Coal Company. 169,889; July 3; Serial No. 158,191; published Apr. 3, 1923.
 Fur skins, North American Fur Dyeing Company. 169,859; July 3; Serial No. 171,883; published Apr. 3, 1923.
 Leather, Sole, C. G. Fleckenstein Co. 169,814; July 3; Serial No. 167,386; published Apr. 3, 1923.
 Potato, cabbage, etc. plants, and sweet potatoes. B. J. Head. 169,926; July 3.

CLASS 2.

Tanks, Sheet metal. A. A. Kramer. 169,932; July 3.

CLASS 3.

Baggage. Hirschfelder & Meaney. 169,924; July 3.

CLASS 4.

Polishes, tile and marble cleaner, and soap chips, Metal and working-board. J. E. Smith. 169,793; July 3; Serial No. 169,036; published Mar. 27, 1923.
 Shoe dressing and cleaner, Canvas. Owl Drug Company. 169,934; July 3.
 Soap, F. G. Burke. 169,781; July 3; Serial No. 172,508; published Mar. 27, 1923.
 Soap, Laundry, Luckel, King & Cake Soap Company. 169,936; July 3.
 Soap, soap paste and soap powder. E. B. Segerstrom. 169,755; July 3; Serial No. 171,390; published Mar. 27, 1923.

CLASS 6.

Antiseptic capsules and liniment. A. R. Hiatt. 169,817; July 3; Serial No. 167,982; published Mar. 6, 1923.
 Baking powder, Regua Bros. 169,801; July 3; Serial No. 170,833; published Mar. 27, 1923.
 Baking powder, table salt, lye, glycerin, etc. John Sexton and Company. 169,883; July 3; Serial No. 153,696; published Mar. 6, 1923.
 Bath, Perfumed addition for the. C. S. Welch Company. 169,910; July 3; Serial No. 170,599; published Mar. 13, 1923.
 Bath powders, Parfumerie Pavane. 169,790; July 3; Serial No. 168,900; published Mar. 20, 1923.
 Bating material used in tanning leather. Moser & Co. 169,833; July 3; Serial No. 173,101; published Apr. 3, 1923.
 Bluing, laundry starch, baking powder, and lye. Joannes Bros. Co. 169,847; July 3; Serial No. 172,879; published Mar. 13, 1923.
 Boilers, etc., Compound for dissolving and removing scale and rust from. Boiler Scale Dissolvent Corp. 169,780; July 3; Serial No. 172,318; published Mar. 27, 1923.
 Brazing and welding of metals, Chemical used in the. Hardwick-Hutchins Manufacturing Company. 169,806; July 3; Serial No. 164,163; published Mar. 13, 1923.
 Chemical preparation for use in keeping sausage, kidneys, etc., in a good condition. B. Heller & Company. 169,837; July 3; Serial No. 172,989; published Mar. 6, 1923.
 Chemicals and acids, Heavy, Wiarda & Hall Acid Works Inc. 169,794; July 3; Serial No. 169,106; published Mar. 20, 1923.
 Cosmetics, Re-Al-Jo Products Company. 169,842; July 3; Serial No. 172,959; published Mar. 13, 1923.
 Cough medicine, Wykoff Company. 169,840; July 3; Serial No. 172,964; published Mar. 13, 1923.
 Creams and powders, perfumes, toilet waters, rouges, etc., Face, A. L. Lynch. 169,843; July 3; Serial No. 172,950; published Mar. 13, 1923.
 Dentifrices, Societe Anonyme la Biotherapie, (Societe Anonyme de Produits Chimiques Biologiques et d'Hygiene.) 169,756; July 3; Serial No. 171,289; published Mar. 27, 1923.
 Deodorant for mouth and stomach, Purifying, Maybreath Company. 169,857; July 3; Serial No. 172,050; published Mar. 13, 1923.
 Disinfectant and deodorizer. B. Heller & Company. 169,836; July 3; Serial No. 172,991; published Mar. 13, 1923.
 Dyes and dyestuffs, Grasselli Chemical Company. 169,838; July 3; Serial No. 172,987; published Mar. 6, 1923.
 Dyes and dyestuffs, Grasselli Chemical Company. 169,839; July 3; Serial No. 172,986; published Apr. 3, 1923.
 Emulsion of cod-liver oil, sirup of white pine and tar, aspirin, etc. United Retail Chemists Corporation. 169,886; July 3; Serial No. 154,773; published Mar. 13, 1923.
 Fly and insect mist, Johnston United Chemical Co. 169,749; July 3; Serial No. 172,224; published Mar. 27, 1923.

Fuel intensifier and carbon remover. Certified Laboratories, Inc. 169,821; July 3; Serial No. 168,632; published Mar. 13, 1923.
 Fungicide, seed disinfectant, and general disinfectant. E. I. du Pont de Nemours & Company. 169,853; July 3; Serial No. 172,263; published Mar. 13, 1923.
 Hair dressing and tonic, Greaseless. V. Lee. 169,887; July 3; Serial No. 155,353; published Mar. 6, 1923.
 Hair gloss and grower. M. E. Swan. 169,778; July 3; Serial No. 168,737; published Mar. 13, 1923.
 Hair pomades, Standard Laboratories, Inc. 169,867; July 3; Serial No. 175,222; published Mar. 13, 1923.
 Hair restorer. J. R. Smith. 169,802; July 3; Serial No. 168,652; published Mar. 13, 1923.
 Hair tonic, Dixie Laboratories. 169,885; July 3; Serial No. 154,015; published Nov. 28, 1922.
 Impregnating material for use as a preservative. Chemische Fabriken vorm. Weiler-ter Meer. 169,759-61; July 3; Serial Nos. 170,124-6; published Mar. 6, 1923.
 Ink eradicator, Guild Products Corporation. 169,810; July 3; Serial No. 165,544; published Mar. 13, 1923.
 Insecticide, T. Meyer. 169,894-5; July 3; Serial Nos. 171,736-7; published Mar. 20, 1923.
 Insecticide and disinfecting deodorant. T. Meyer. 169,861; July 3; Serial No. 171,738; published Mar. 20, 1923.
 Insecticides, S. C. Slattery. 169,912; July 3; Serial No. 170,408; published Mar. 6, 1923.
 Insecticides, bactericides, fungicides, etc., for plants. Bobwhite Chemical Corporation. 169,791-2; July 3; Serial Nos. 168,953-4; published Mar. 27, 1923.
 Laxative or mild purgative pill preparation. W. Harrison. 169,776; July 3; Serial No. 168,865; published Mar. 6, 1923.
 Laxative powders. A. W. Knox. 169,942; July 3.
 Liniment, I. Connolly. 169,901; July 3; Serial No. 171,485; published Mar. 13, 1923.
 Liniment, J. G. Harris. 169,903; July 3; Serial No. 171,358; published Mar. 6, 1923.
 Liquid and ointment preparations for promoting the growth of the hair, shampoo, etc. A. M. Malone. 169,751; July 3; Serial No. 171,464; published Mar. 27, 1923.
 Lotion, Face, J. W. Mayo. 169,907; July 3; Serial No. 170,722; published Mar. 6, 1923.
 Lotions and creams, Skin, Jean Jordeau Inc. 169,775; July 3; Serial No. 168,893; published Mar. 6, 1923.
 Magnesia, Citrate of. H. E. Frees Co. 169,848; July 3; Serial No. 172,871; published Mar. 13, 1923.
 Medical compound for diseases of the stomach. Charles F. Dare & Son, Inc. 169,779; July 3; Serial No. 172,265; published Mar. 27, 1923.
 Medicinal herb preparation used as a general tonic. Wing Lee Wai Company. 169,852; July 3; Serial No. 172,304; published Mar. 6, 1923.
 Medicinal preparation acting as a system cleaner and regulator. A. W. Campbell. 169,834; July 3; Serial No. 173,030; published Mar. 6, 1923.
 Medicinal preparation for the treatment of toothache and pyorrhea. A. A. Schwerin, sr. 169,855; July 3; Serial No. 172,124; published Mar. 6, 1923.
 Medicinal tablets, face and skin lotions, etc. Kalina Company. 169,774; July 3; Serial No. 169,169; published Mar. 6, 1923.
 Medicinal tablets for use as a general tonic. G. F. Schmidt. 169,876; July 3; Serial No. 137,033; published Mar. 6, 1923.
 Medicine for the treatment of ulcerative and diseased conditions of the mouth and throat. Clarke Chemical Co. 169,767; July 3; Serial No. 169,283; published Mar. 13, 1923.
 Medicine, Gallsone, W. E. McAllister. 169,899; July 3; Serial No. 171,585; published Mar. 13, 1923.
 Medicine used as a calmant and antispasmodic. Societe des Produits Chimiques Speciaux Brevets Lumiere. 169,860; July 3; Serial No. 171,821; published Mar. 20, 1923.
 Medicine used in the treatment of cancer. W. E. Mitchely. 169,785; July 3; Serial No. 154,229; published Mar. 27, 1923.
 Oil, Antiseptic, Pine Balm Company. 169,941; July 3.
 Oil, Wool, Standard Oil Company. 169,898; July 3; Serial No. 171,665; published Mar. 13, 1923.
 Oils, Decolorizing charcoal for use for mineral and vegetable. Verein für Chemische und Metallurgische Produktion. 169,813; July 3; Serial No. 167,372; published Mar. 13, 1923.
 Oils, Medicinal, L. W. Neiswender. 169,884; July 3; Serial No. 154,700; published Mar. 13, 1923.
 Palliative for venereal diseases. D. Romeo. 169,911; July 3; Serial No. 170,449; published Mar. 6, 1923.
 Pastes and powders for beautifying and preserving the teeth, skin, and hair, and perfumery. Parfumerie Roger et Gallet. 169,832; July 3; Serial No. 173,141; published Mar. 20, 1923.
 Perfume, toilet water, face powder, etc. J. Bossard. 169,909; July 3; Serial No. 170,618; published Mar. 6, 1923.
 Perfume, toilet water, rouges, etc. E. Daltroff & Cie. 169,938; July 3.

Perfumes, G. Yorita. 169,811; July 3; Serial No. 166,617; published Mar. 6, 1923.

Perfumes, perfume powders, and toilet waters. Colgate & Company. 169,757; July 3; Serial No. 171,201; published Mar. 27, 1923.

Pharmaceutical and medicinal preparations, antiseptics, germicides, etc. Shores-Mueller Company. 169,841; July 3; Serial No. 172,962; published Mar. 13, 1923.

Pharmaceutical preparation for strengthening the genital glands. Phospho-Albumen Company. 169,835; July 3; Serial No. 173,005; published Mar. 6, 1923.

Pharmaceutical preparations for the treatment of nervous diseases, etc. Phospho-Albumen Company. 169,831; July 3; Serial No. 173,146; Published Mar. 13, 1923.

Poisoning compound, Ant-. T. Meyer. 169,897; July 3; Serial No. 171,734; published Mar. 20, 1923.

Pomade for the scalp and hair. Vail Brothers. 169,809; July 3; Serial No. 165,048; published Mar. 13, 1923.

Powder, Foot. W. T. Shaw. 169,786; July 3; Serial No. 155,709; published Mar. 20, 1923.

Powders and creams, perfumes, toilet waters, rouges, etc., Face. Lightfoot Schultz Company. 169,845; July 3; Serial No. 172,947; published Mar. 13, 1923.

Powders and rouge, Compact. Richard Hudnut. 169,753-4; July 3; Serial No. 171,461-2; published Mar. 27, 1923.

Powders, face bleaches, liquid rouge, Face. C. W. Godefroy. 169,870; July 3; Serial No. 142,840; published June 14, 1921.

Preparation for treatment of dandruff, etc. A. R. Meller. 169,768; July 3; Serial No. 169,253; published Mar. 13, 1923.

Preparation for the treatment of the eyes. L. A. Stinson. 169,854; July 3; Serial No. 172,243; published Mar. 6, 1923.

Preparation for treatment of Riggs' disease, pyorrhea, etc. Heroic Gum Remedy Company. 169,795; July 3; Serial No. 169,246; published Mar. 20, 1923.

Preparations for protecting animal substances against chemicals. Actien-Gesellschaft für Anilin-Fabrikation. 169,799; July 3; Serial No. 170,232; published Mar. 27, 1923.

Rodents and vermin, Preparation for exterminating: T. Meyer. 169,896; July 3; Serial No. 171,735; published Mar. 20, 1923.

Rubber articles, Accelerators, fillers, pigments, etc., used in the compounding of. Rubber Service Laboratories Company. 169,902; July 3; Serial No. 171,469; published Feb. 27, 1923.

Scalp cleanser, Germicide. G. D. Tietjen. 169,764; July 3; Serial No. 169,459; published Mar. 6, 1923.

Shampoo powder. Evan Williams Company Limited. 169,908; July 3; Serial No. 170,715; published Mar. 6, 1923.

Tablets to be used in the treatment of heart disease, rheumatism, etc. S. Nakamura. 169,882; July 3; Serial No. 153,686; published Mar. 13, 1923.

Toilet preparation for softening and whitening chapped and rough skin. Kanders Pharmacal Co. 169,844; July 3; Serial No. 172,882; published Mar. 13, 1923.

Tonic, Liquid. Southern Laboratories. 169,750; July 3; Serial No. 172,064; published Mar. 27, 1923.

Tooth paste. United Retail Chemists Corporation. 169,784; July 3; Serial No. 149,039; published Mar. 27, 1923.

Tooth paste and powder and mouth wash. O. H. v. Maynburg. 169,787; July 3; Serial No. 156,996; published Mar. 27, 1923.

Water-softening compound. J. J. Buczkowski. 169,900; July 3; Serial No. 171,571; published Feb. 27, 1923.

CLASS 9.

Shells and cartridges, Shotgun. Federal Cartridge Corporation. 169,923; July 3.

CLASS 12.

Cement, Material used to hasten the setting and lower the freezing point of. T. L. Benson. 169,922; July 3.

Waterproofing compound for building roofs. Acorn Refining Company. 169,931; July 3.

CLASS 13.

Coffee-bag supports. J. T. Pedersen. 169,850; July 3; Serial No. 172,432; published Apr. 10, 1923.

Gates, Hydraulic. E. L. Broome. 169,858; July 3; Serial No. 172,028; published Apr. 10, 1923.

Link belts, Victory V Belt Co. 169,815; July 3; Serial No. 167,744; published Apr. 10, 1923.

Pipe nipples, Metal. Chicago Nipple Manufacturing Co. 169,805; July 3; Serial No. 163,502; published Apr. 10, 1923.

CLASS 14.

Track frogs, crossings, guard rails, etc. Ramapo Ajax Corporation. 169,851; July 3; Serial No. 172,395; published Apr. 10, 1923.

CLASS 15.

Gasoline. Shell Company of California. 169,945; July 3.

Grease, Petroleum. Atlantic Refining Company. 169,869; July 3; Serial No. 174,814; published Mar. 20, 1923.

Oil, Motor. Dealers Supply Company. 169,944; July 3.

Oils and gasoline. Kansas-Texas Petroleum Co. 169,916; July 3.

CLASS 16.

Glazes and enamels, Ready prepared ceramic. Vitro Manufacturing Company. 169,820; July 3; Serial No. 168,625; published Apr. 3, 1923.

Lead, Pure white. Eagle Picher Lead Company. 169,906; July 3; Serial No. 170,757; published Apr. 3, 1923.

Paint and paint thinner, Ready-mixed. Barrett Company. 169,829; July 3; Serial No. 173,269; published Apr. 3, 1923.

Paint enamels. Baker Paint & Varnish Co. 169,873; July 3; Serial No. 174,604; published Apr. 3, 1923.

Paints, varnishes and paint enamels. Enterprise Paint Mfg. Co. 169,825; July 3; Serial No. 174,001; published Apr. 3, 1923.

Paints, varnishes, putties, dry colors, white lead, etc. Baker Paint & Varnish Co. 169,872; July 3; Serial No. 174,605; published Apr. 3, 1923.

Polish. Furniture and automobile. Viller & Prost. 169,891; July 3; Serial No. 159,449; published Apr. 3, 1923.

Size in dry powder form. Wall. Muralo Company. 169,830; July 3; Serial No. 173,201; published Apr. 3, 1923.

CLASS 19.

Vehicle bodies and parts. Anthony Company. 169,915; July 3.

CLASS 20.

Floor coverings. Salem Manufacturing Company. 169,824; July 3; Serial No. 174,153; published Apr. 3, 1923.

CLASS 22.

Fishing line. Ashaway Lime & Twine Manufacturing Company. 169,935; July 3.

Vehicles, Two-wheeled children's coaster. Advance Manufacturing Co. 169,871; July 3; Serial No. 174,684; published Apr. 3, 1923.

CLASS 23.

Augers, awls, axes, etc. Smith & Hemenway Company. 169,874; July 3; Serial No. 125,806; published Nov. 9, 1920.

Cutlery and razors, Pocket. Canton Cutlery Co. 19,480; renewed May 12, 1921.

Cutters, Milling. National Twist Drill & Tool Company. 169,920; July 3.

Fruit jars and containers, Device for opening and closing. C. H. Lambert. 169,927; July 3.

Piston pins. L. Bissell. 169,888; July 3; Serial No. 155,427; published May 16, 1922.

Sweepers, Carpet. Scott & Fetzer Company. 169,917; July 3.

Tongs, Beaker. Elmer & Amend. 169,870; July 3; Serial No. 174,691; published Apr. 10, 1923.

Tools, Metal-working small. Cleveland Twist Drill Company. 169,822; July 3; Serial No. 174,358; published Apr. 10, 1923.

Tractors. Clark Tractor Company. 169,868; July 3; Serial No. 175,135; published Apr. 10, 1923.

Vehicles, Visible traffic signals for motor. L. R. McDevitt. 169,914; July 3.

Woodworking machines, Combination. Hutchinson Manufacturing Co. 169,856; July 3; Serial No. 172,094; published Apr. 10, 1923.

CLASS 25.

Automobile locking device. Wright Accessories Corporation. 169,878; July 3; Serial No. 137,984; published Apr. 12, 1921.

Banks, Portable. Chicago Thrift Company. 169,930; July 3.

Door handles, Locking. Bersted Manufacturing Company. 169,904; July 3; Serial No. 171,060; published Apr. 3, 1923.

CLASS 26.

Lenses, Photographic, projecting, and optical. M. H. Tromba. 169,804; July 3; Serial No. 162,327; published Apr. 10, 1923.

Ophthalmic mountings and parts thereof. Stevens & Company. 169,866; July 3; Serial No. 175,224; published Apr. 10, 1923.

Telegraph transmitter-indicator equipment, Ships' mechanical. Chas. Cory & Son, Inc. 169,921; July 3.

CLASS 32.

Furniture and upholstery. William Lawrence & Co. 169,875; July 3; Serial No. 134,969; published Apr. 3, 1923.

CLASS 34.

Furnaces, Coal. Fox Furnace Company. 169,918; July 3.

Torches, Alcohol. Hunt-Lasher Company. 169,919; July 3.

CLASS 35.

Rubber cushions, packings, gaskets, etc. J. A. Sexauer Mfg. Co. 169,925; July 3.

Rubbers, Jar. Joannes Bros. Co. 169,846; July 3; Serial No. 172,880; published Apr. 3, 1923.

Tire casings, Pneumatic. B. F. Goodrich Company. 169,849; July 3; Serial No. 172,472; published Apr. 3, 1923.

Tires and inner tubes, Nonmetallic pneumatic. Globe Rubber Tire Manufacturing Co. 169,865; July 3; Serial No. 175,589; published Apr. 3, 1923.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

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CLASS 37.

Paper, Wrapping. Geo. W. Millar & Co. 169,823; July 3; Serial No. 174,319; published Mar. 27, 1923.

CLASS 38.

Books, Completely-printed. M. J. Hoenig. 169,789; July 3; Serial No. 168,470; published Mar. 27, 1923.
Literary supplements, Periodically-issued. Associated Publishers of Iowa. 169,796; July 3; Serial No. 169,741; published Mar. 27, 1923.

Magazine, Name of a monthly. Radio Waves Publishing Co. 169,797; July 3; Serial No. 169,825; published Mar. 27, 1923.

Publication. General Electric Company. 169,788; July 3; Serial No. 167,889; published Mar. 27, 1923.

CLASS 39.

Bloomers, Women's. L. N. Gross Company. 169,769; July 3; Serial No. 169,240; published April 3, 1923.

Coats. Dorfman & Miller. 169,765; July 3; Serial No. 169,396; published Apr. 3, 1923.

Coats, capes, mantles, and raincoats. Sanborn Wetherwear Coat Co. 169,937; July 3.

Dresses. Nickels Manufacturing Company. 169,770; July 3; Serial No. 169,179; published Apr. 3, 1923.

Gowns, wraps, dresses, coats, etc., Ladies', women's, and misses'. Lousols Philadelphia. 169,774; July 3; Serial No. 168,901; published Apr. 3, 1923.

Hats, caps, shirts, etc., Men's. Jordan Marsh Company. 169,763; July 3; Serial No. 169,490; published Apr. 3, 1923.

Neckties, cravats, scarfs, hats, caps. The Collegian. 169,881; July 3; Serial No. 148,973; published Apr. 3, 1923.

CLASS 40.

Dress Shields. Empire Shield Co. 169,890; July 3; Serial No. 159,308; published Mar. 27, 1923.

Lingerie trimming, fancy braids, etc. Marshall Field & Company. 169,880; July 3; Serial No. 146,534; published Feb. 21, 1922.

CLASS 42.

Cotton, artificial-silk, silk, and woolen piece goods and admixtures of same. Bradford Dyers' Association, Limited. 169,783; July 3; Serial No. 122,625; published Mar. 27, 1923.

Cotton piece goods. Pacific Mills. 169,864; July 3; Serial No. 175,677; published Apr. 3, 1923.

Cotton piece goods, Dyed. Bradford Dyers' Association, Limited. 169,782; July 3; Serial No. 122,624; published Mar. 20, 1923.

Linen, handkerchiefs, towels, curtains, etc., Table and bed. M. G. Guerra Co. Inc. 169,826; July 3; Serial No. 175,786; published Apr. 3, 1923.

Sateen in the piece. Marshall Field & Company. 169,933; July 3.

Silk and crêpe silk piece goods. Tuxedo Shirt Co. 169,939; July 3.

Silk piece goods. Folding Fabrics Corporation. 169,800; July 3; Serial No. 170,277; published Mar. 27, 1923.

Silk piece goods. Tuxedo Shirt Co. 169,928; July 3.

Voile in the piece. Max Schwarz Textile Corporation. 169,905; July 3; Serial No. 170,795; published Mar. 27, 1923.

Worsted piece goods, Tropical. Tropical Worsted Company. 169,798; July 3; Serial No. 169,836; published Mar. 27, 1923.

CLASS 43.

Yarn, Wool. Wollgarnfabrik Fulda G. m. b. H. 169,752; July 3; Serial No. 171,677; published Mar. 27, 1923.

CLASS 44.

Bottles for medical purposes, Hot. B. H. Dyer Company. 169,772; July 3; Serial No. 169,053; published Apr. 3, 1923.

Combs, Fountain. Capitola Tonic Comb Co. 169,827; July 3; Serial No. 173,463; published Apr. 3, 1923.

Dental cement. W. V. B. Ames Company. 169,863; July 3; Serial No. 175,696; published Apr. 3, 1923.

Surgical and dental appliance outfit. W. J. Cameron. 169,893; July 3; Serial No. 160,928; published Mar. 27, 1923.

Thermometers, syringes, eye droppers, etc., Clinical. Elsele & Co. 169,826; July 3; Serial No. 173,959; published Apr. 3, 1923.

CLASS 46.

Candy. L. C. Hunt. 169,943; July 3.

Candy. L. L. Lipschultz. 169,766; July 3; Serial No. 169,311; published Apr. 3, 1923.

Candy, cocoa, chocolate, etc. Huyler's. 169,758; July 3; Serial No. 135,754; published Mar. 27, 1923.

Canned pineapple. Hawaiian Pineapple Company. 169,819; July 3; Serial No. 168,109; published Apr. 3, 1923.

Canned soups, truffles, cherries, and turtle meat. C. Perceval. 169,940; July 3.

Chocolate fruit bar. Gruenhagen's. 169,777; July 3; Serial No. 168,766; published Apr. 3, 1923.

Chocolates and candies. E. Greenfield's Sons. 169,913; July 3; Serial No. 170,377; published Apr. 3, 1923.

Flavorings and extracts. Arthur L. Leech Co. 169,892; July 3; Serial No. 160,889; published Apr. 3, 1923.

Fruits, Fresh citrus. Redland Citrus Growers Association. 169,818; July 3; Serial No. 168,068; published Apr. 3, 1923.

Hams, shoulders, bacon, etc. Indianapolis Abattoir Company. 169,929; July 3.

Ice cream. P. Smolinsky. 169,812; July 3; Serial No. 166,725; published Apr. 3, 1923.

Potato chips. H. C. Blakey. 169,773; July 3; Serial No. 168,913; published Apr. 3, 1923.

Sweet-pickled watermelon rind. G. B. Raffetto, Inc. 169,762; July 3; Serial No. 169,561; published Apr. 3, 1923.

CLASS 48.

Malt extract. Falstaff Corporation. 169,803; July 3; Serial No. 161,831; published Apr. 3, 1923.

Malt extracts. Henning Wennersten Incorporated. 169,828; July 3; Serial No. 173,422; published Apr. 3, 1923.

Malt, Liquor or liquid preparation containing. Coleman and Company. 169,877; July 3; Serial No. 140,917; published Apr. 3, 1923.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Leather. Kistler Leather Company. 175,991; July 3.

Logs. Delta Export Lumber Corporation. 178,496; July 3.

Seeds, Vegetable. Kehoe Preserving Company. 176,521; July 3.

CLASS 2.

Box shoos. G. X. Wendling. 178,318; July 3.

Containers and boxes, Metal and paper fancy. Fred A. Wish Incorporated. 180,638; July 3.

Containers, Condiment. C. H. Haeseler. 172,834; July 3.

Containers for food products, Transparent. Page & Shaw, Inc. 179,424; July 3.

Dishes and dispensing receptacles for paper dishes, Metal holders for paper. Vortex Mfg. Co. 180,311; July 3.

CLASS 3.

Trunks. M. Wellen & Son. 163,426; July 3.

CLASS 4.

Cleaning and polishing combination for leather goods. W. E. Harris. 176,180; July 3.

Cleaning compound. C. F. Butterfield. 175,596; July 3.

Cleanser for the toilet, Antiseptic. Triple S Service Corporation. 174,370; July 3.

Leather preservatives. G. L. Reish. 175,324; July 3.

Paste for cleaning false teeth. H. Merritt. 178,182; July 3.

Preparation for cleaning. Polygon Products Co. 177,515; July 3.

Soap. Taunton Electro-Chemical Company. 175,277; July 3.

Soap, Laundry. Luckel, King & Cake Soap Company. 166,457; July 3.

Waterproof dressing for automobile tops. J. Metke. 159,521; July 3.

CLASS 6.

Chemical composition for removing carbon from internal combustion engines. Buffalo Specialty Company. 161,522; July 3.

Insecticide. D. V. Burrell. 175,297; July 3.

Medicinal preparation to be used as a laxative and cathartic. Eli Lilly & Company. 161,366; July 3.

Nickel Ammonium sulphate. British America Nickel Corp'n Ltd. 143,978; July 3.

Nickel sulphate. British America Nickel Corp'n Ltd. 143,977; July 3.

Ointments, influenza medicine, laxative tablets, etc. M. H. Beveridge. 160,240; July 3.

Perfumery, toilet preparations. Max Ebb Gesellschaft mit beschränkter Haftung. 166,176; July 3.

Pharmaceutical preparations for coughs, whooping cough, etc. V. Baldacci. 170,921; July 3.

Preparations for treatment of fever, polyarthritis, etc. Farbwerke vorm. Meister Lucius & Bruning. 175,078; July 3.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 12.

Asphalt and paving materials containing asphalt. Barber Asphalt Paving Company. 163,965; July 3.
Bricks and paving tile, Building. N. Esperson. 171,586; July 3.
Lime, Ground and hydrated. Security Cement & Lime Co. 165,760; July 3.
Limestone, chalk whitening, chalk, asphalt filler, and whitening. Krippendorf-Tuttle White Cliffs Products Co. 176,482; July 3.
Preparations to be incorporated with mortar, cement, etc., for the purpose of coloring, hardening, etc., the setting. Master Builders Company. 170,148; July 3.

CLASS 13.

Baths, coffee and rice boilers, bowls, etc., Baby. Shapleigh Hardware Company. 162,358; July 3.
Cooking utensils, etc., over an open fire, Devices for supporting. Campfire Manufacturing Company. 155,737; July 3.
Key chains, Boye Needle Co. 179,773; July 3.
Pans, saucepans, stock pots, kettles, etc., Frying. Nickel Fabricating Corporation. 174,908; July 3.

CLASS 14.

Steel sheets, bars, and plates. R. G. Hird. 176,127; July 3.

CLASS 16.

Oil, Paint. James B. Sipe & Company. 179,331; July 3.
Paint for metal surfaces, Primer. James B. Sipe & Company. 179,325; July 3.
Paint, Paste. James B. Sipe & Company. 179,326; July 3.
Paint, Paste and ready-mixed. Colonial Works. 180,097; July 3.
Paints, varnishes, paint enamels, and dry pigment. Beadley-Wise Paint Co. 180,732; July 3.
Polish, Automobile and piano. K. Smuckler. 173,939; July 3.
Polish, Automobile, piano, and furniture. A. N. Sander-son. 180,082; July 3.
Varnish stains and paint enamel. Peaslee-Gaulbert Co. 179,882; July 3.
Wall finishes and reducers. Hockaday Company. 179,940; July 3.

CLASS 17.

Cigarettes. I. Blum. 178,213; July 3.
Cigars. R. J. Seidenberg Co. 178,003; July 3.

CLASS 19.

Airships, balloons, kites, aviation and aeronautical accessories. Goodyear Tire & Rubber Company. 164,498; July 3.
Trucks. Chase Foundry and Manufacturing Company. 165,668; July 3.

CLASS 22.

Baseballs and baseball gloves. Bon-Tober Sporting Goods Co. 179,394; July 3.
Fishing lines, rods, snelled hooks, and leaders. A. G. Hall. 180,065; July 3.
Game, Card. H. Storgaard. 178,699; July 3.
Golf clubs. Crawford, McGregor & Canby Company. 171,623; July 3.

CLASS 23.

Carburetors and structural parts and fittings therefor. Eagle Carburetor Company. 178,434; July 3.
Dies, Steel marking. Jas. H. Matthews & Company. 177,791; July 3.
Engines, etc., Poppet valves for internal-combustion. Steel Products Company. 178,069-70; July 3.
Fire-extinguishing apparatus. Foamite-Childs Corporation. 178,984; July 3.
Knives, Table. American Cutlery Company. 149,621; July 3.
Locomotives, Auxillary engines for. Franklin Railway Supply Company. 166,825; July 3.
Oil-well machinery and tools. Boykin Machinery & Supply Co. 174,062; July 3.
Saws, hammers, sledges, etc. Sandvikens Jernverks Aktiebolag. 178,571; July 3.
Saws, hammers, sledges, etc. Sandvikens Jernverks Aktiebolag. 178,872; July 3.
Screen scratcher and rubber. M. L. Crawford. 173,813; July 3.
Transmission or crank casing parts. Hudson Motor Specialties Company. 158,677; July 3.

CLASS 26.

Caliper gauges. Pratt & Whitney Company. 164,452; July 3.
Pens. Eugene Dietzgen Co. 175,136; July 3.
Photographic and telescopic objectives, photographic cameras, etc. Optische Anstalt C. P. Goerz A. G. 169,984; July 3.
Ring and magnifying glasses, Finger. C. M. Wiseman. 176,520; July 3.

CLASS 31.

Refrigerating apparatus. D. Eddy and Sons Co. 179,994; July 3.

Refrigerators and parts, refrigerating systems. National Electric Products Corporation. 177,140; July 3.

CLASS 32.

Hammocks and stands therefor, Couch. Atlas Hammock Co. 173,048; July 3.
Pillows. L. Lowenstein & Son. 157,491; July 3.

CLASS 34.

Boilers, Steel. Wickes Boiler Co. 162,860; July 3.
Cookstoves, ranges, etc. Hammer-Bray Company. 160,604; July 3.

CLASS 35.

Belting, Leather. J. Bachmann. 177,760; July 3.
Tires and inner tubes, Rubber. L. L. Chadwin. 179,030; July 3.

CLASS 37.

Announcements. Richter Card & Paper Co. 179,224; July 3.
Papers and mailing envelopes, Writing and printing. Whiting Paper Company. 180,161; July 3.
Pens, Fountain. Miller's Book Store, Inc. 179,377; July 3.

CLASS 38.

Booklets and bonds. Caldwell & Company. 173,562; July 3.
Newspaper and magazine articles, prints, and publications. A. G. Calkins. 178,162; July 3.
Photographic prints. Fowler & Slater Co. 178,380; July 3.
Photographic prints. G. Harmouth. 175,592; July 3.
Publications and printed literature. Philadelphia Quartz Company. 158,723; July 3.

CLASS 39.

Blouses, ladies', children's, and misses' dresses, knickers, boys' suits, bloomers, overshirts, etc., Middy. H. W. Goldman. 177,484; July 3.
Boots and shoes. E. E. Taylor Co. 176,293-4; July 3.
Boots and shoes of leather. Corson Shoe Manufacturing Company. 171,205; July 3.
Boots, shoes, slippers, and sandals. Bloom Sublyme Shoe Co. 171,524; July 3.
Cloaks and capes, Children's. Shoninger-Heinsheimer Manufacturing Co. 171,963; July 3.
Cloaks, capes, and suits, Juniors' and misses'. Shoninger-Heinsheimer Manufacturing Co. 171,964; July 3.
Corsets. Weingarten Bros. 173,061; July 3.
Dresses, women's robes and gowns, suits, etc. A. & S. Levy Co. 172,001; July 3.
Garters. President Suspender Company. 166,787; July 3.
Hats, Ladies'. H. W. Jaediker. 177,300; July 3.
Overalls, coats, pants, jumpers, etc. Ironall Factories Co. 164,707; July 3.
Pants, Norfolk jackets, coats, and vests. Sweet-Orr & Co. 174,221; July 3.
Pyjamas, shirts, nightshirts, and men's robes. Knothe Brothers Co. 171,422; July 3.
Shirts, Men's, youths', and boys'. Levi Strauss & Co. 153,477; July 3.
Shoes. Niagara Shoe Company. 171,029; July 3.
Shoes, Leather. J. F. Kolkebeck. 175,723; July 3.
Sweaters and dress skirts. Knitted. Knitwear Manufacturing Co. 157,431; July 3.
Undergarments. Jacob Miller's Sons Co. 172,004; July 3.
Underwear and pyjamas, shirts, etc. Excelsior Underwear Co. 171,910; July 3.

CLASS 40.

Beads and bead trimming. Leo F. Phillips & Co. 165,599; July 3.
Braids, tassels, passementeries, and garniture. Morrisse Lace & Embroidery Co. 177,983-4; July 3.
Dress shields. Associated Merchandising Corporation. 178,705; July 3.
Dress shields. I. B. Kleinert Rubber Company. 179,104; July 3.
Fringes and art needlework. Powers, Friend & Lichtman. 179,426; July 3.
Hair curlers. West Electric Hair Curler Company. 180,313; July 3.
Needles for hand sewing. John James & Sons Limited. 178,105; July 3.
Rickrack braid and shirred ribbon elastic. Barash Brothers, Inc. 180,738; July 3.
Tape. Associated Merchandising Corporation. 178,704; July 3.

CLASS 42.

Cotton fabrics. Friedman & Krieger. 179,528; July 3.
Cotton piece goods. Kummer, Upmann & Co. 179,608; July 3.
Cotton piece goods. Neuss, Hesslein & Co. 179,620; July 3.
Cotton piece goods. Pacific Mills. 180,139; July 3.
Cotton piece goods. Wilton Manufacturing Company. 180,038-9; July 3.
Fabrics, Netted or wide-mesh. James Thompson & Co. 179,631; July 3.

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Knitted wool and cotton goods in the piece. Vary Knit Co. 179,836; July 3.
Satin in the piece, Cotton-back. Schwarzenbach Huber Company. 180,146; July 3.
Silk and artificial-silk, cotton, linen, etc., piece goods. Schwarzenbach Huber Company. 180,145; July 3.
Textile fabrics in the piece, etc., Woven and knitted. Knitted Textile Corporation. 179,798-9; July 3.
Worsted, woolen, etc., piece goods. Walther Manufacturing Co. 179,902; July 3.
Worsted, worsted and cotton, etc., piece goods. Walther Manufacturing Co. 179,569; July 3.

CLASS 44.

Furniture, Aseptic. Reid Bros., Inc. 168,790; July 3.

CLASS 45.

Beverages sold as a soft drink. Mouquin Rt. & Wine Co. 174,405; July 3.
Beverages sold as soft drinks, Maltless carbonated. Florida Products Co. 178,032; July 3.
Sirups for soft drinks, Maltless soda-fountain. Elgot and Giuntini. 177,659; July 3.
Water, Artificially-prepared mineral. J. A. Steele. 176,292; July 3.

CLASS 46.

Apples, Fresh. Denney & Co. 166,657; July 3.
Bacon, ham, breakfast-bacon squares. Schaffner Brothers Company. 169,929; July 3.
Candies and candied fruit. Miller & Paine, Inc. 176,750; July 3.
Candies, Chocolate. Clinton Copeland Co. 162,532; July 3.
Candy. Elmer Candy Co. 175,077; July 3.
Candy. Elmer Candy Co. 175,229; July 3.
Candy. Euclid Candy Co. 176,171; July 3.
Candy. M. A. Hasty. 175,492; July 3.
Candy. Walter M. Lowney Company. 177,235; July 3.
Candy. New England Confectionery Company. 154,810; July 3.
Candy. A. B. Mewhinney Co. 168,481; July 3.
Candy. Planters Nut & Chocolate Company. 176,567-8; July 3.
Candy. John G. Woodward & Co. 176,238; July 3.
Candy, Chocolate. C. C. Brown Candy Co. 169,279; July 3.
Canned and dehydrated fruits and vegetables. King's Food Products Co. 171,129; July 3.
Canned and dried fruits and vegetables. Johnson-Locke Mercantile Co. 168,314; July 3.
Canned crab meat. Taiyo Trading Co. 176,769; July 3.
Canned fish. Abbott, Hall & Co. 177,580; July 3.
Canned fruits. Oregon Growers Cooperative Association. 174,851; July 3.
Canned fruits. Ray-Maling Co. 175,809; July 3.
Canned fruits and berries. Ray-Maling Co. 175,812; July 3.
Canned fruits and vegetables. Allen & Lewis. 174,379; July 3.
Canned fruits and vegetables. Holland Canning Company. 171,917; July 3.
Canned fruits and vegetables. Oregon Growers Cooperative Association. 167,411-2; July 3.
Canned fruits, berries, and vegetables. Ray-Maling Co. 175,810; July 3.
Canned okra. C. Perceval. 177,047; July 3.
Canned salmon. Chinook Packing Co. 172,975; July 3.
Canned tunny fish. Seacoast Canning Company. 173,303; July 3.
Canned vegetables. A. W. Feeser. 174,615; July 3.
Cantaloupes, Fresh. Miller-Cummings Company. 173,436; July 3.
Cantaloupes, melons, etc., Fresh. Miller-Cummings Company. 173,435; July 3.
Caramels. Phoebe Phelps Caramel Co. 177,243; July 3.
Chocolate malted concentrate. Sethness Company. 174,265; July 3.
Coffee. F. Cotera. 168,203; July 3.
Coffee. Vaughn Grocery Company. 174,948; July 3.
Coffee. H. M. Wagner. 173,614; July 3.
Dates. Th. Giocalas & V. Coyimzoglu. 174,438; July 3.
Fish cakes and canned fish. M. Kumamoto. 175,015; July 3.

Flavoring extracts for food. Hudson Manufacturing Company. 165,493; July 3.
Fruit preserves, honey, and mincemeat. Standard Syrup Company. 177,631; July 3.
Fruits, Fresh citrous. W. G. Roe. 177,410; July 3.
Fruits, Fresh citrous and deciduous. L. A. Banks. 161,959; July 3.
Fruits, Fresh deciduous. W. A. Caldwell. 169,236; July 3.
Fruits, Fresh deciduous. B. T. Shute. 176,221; July 3.
Fruits, fresh vegetables, etc., Fresh deciduous and citrous. Pleasant Grove Canning Company. 171,951; July 3.
Grapes, Fresh. Sunset Fruit Co. 168,387; July 3.
Gum, Chewing. R. H. Cobb. 155,253; July 3.
Gum, Chewing. Franklin-Caro Company. 101,984; July 3.

Hams, shoulders, bacon, sausage, tongues, dried beef, jowls, butts, and lard. Indianapolis Abbatoir Company. 177,380; July 3.
Ice cream and frozen dainties. F. E. Mayol. 165,697; July 3.
Ice-cream cones. H. L. Goodwin. 165,258; July 3.
Ice-cream confections. Sullivan, Hensley & Ponto. 177,145; July 3.
Ice-cream preparation. W. Klug. 174,696; July 3.
Jellies. V. P. Kennard. 176,130; July 3.
Marmalade, jams, and preserved fruits. T. K. Mott. 176,850; July 3.
Meats and meat products. M. Auth Prov. Co. 162,092-3; July 3.

Nuts and nut products. United Fig & Date Co. 157,701; July 3.

Nuts, Brazil. United Fig & Date Company. 176,298; July 3.

Oil, Olive. H. Karlin. 176,550; July 3.

Oil, Olive. D. Micheletti. 174,585; July 3.

Oil, Olive. C. Perceval. 176,913; July 3.

Oranges and lemons, Fresh. Escondido Citrus Union.

177,369; July 3.

Peanuts and peanut butter, Salted. F. M. Hoyt.

171,320; July 3.

Pineapple glacé, glacé assorted fruits, and crystallized

ginger. Causse Manufacturing & Importing Co.

177,274; July 3.

Pop corn, Canded. Mercier Bros. 175,150; July 3.

Pork and beans and canned concentrated strained toma-

toes. Edward V. Stockham, Inc. 158,689; July 3.

Prunes, Fresh. W. C. Stone. 166,020; July 3.

Rennet, junket tablets, and lactic ferment. N. Kjaer-

gaard Jensens Tekn. Kem. Fabrik. 154,654; July 3.

Roast, spaghetti, potted beef, tripe stew, etc., Pot. C.

Molinelli. 176,354; July 3.

Sausage and sausage meat. Keane Provision Co.

175,085; July 3.

Sausage, boiled ham, etc. Schaffner Brothers Company.

169,931; July 3.

Sea food, Star Fish & Oyster Co. 174,156; July 3.

Sirup, Bakers'. Adolph Coors Company. 166,591;

July 3.

Sirup, Grape-flavored. Queen City Extract Company.

163,595; July 3.

Sirups and extracts for flavoring food. Walker Bros.

Co. 173,261; July 3.

Sugar tablets, Flavored. Mills Novelty Company.

175,260; July 3.

Tomato hot sauce, canned vegetables, fruits, and fish.

Bayside Canning Company. 165,339; July 3.

Vegetable and mineral compound for neutralizing lactic

acids in whipping cream and eggs. J. H. Lewis,

175,253; July 3.

CLASS 50.

Asbestos mats. Gillen-Cole Co. 171,312; July 3.

Bottles, jars, etc., Caps or closures for. George A.

Haynes, Inc. 180,762; July 3.

Decorating outfits. R. F. Johnston Paint Company.

176,631; July 3.

Furniture moving pads, tents, tarpaulins, and awnings,

etc. A. Bruns & Sons. 177,544; July 3.

Rubber matting. Paine & Williams Company. 178,060;

July 3.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3d DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- A. C. Gas Register Company, The. (See Collins, W. T., and Adams, assignors.)
 Abbott, Claude H., Lisbon, N. Dak. Draft regulator. 1,460,634; July 3.
 Abbott, Franklin E., Buffalo, N. Y., assignor, by mesne assignments, to Bethlehem Steel Company of New York, Inc. Splice bar for rail joints. 1,460,742; July 3.
 Abbott, Richard H. S., and J. B. Close, London, England. Apparatus for molding plastic substances. 1,460,933; July 3.
 Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Packaging shingles. 1,460,833; July 3.
 Absmeier, Carl, Grand Rapids, Mich. Pool-table register. 1,460,527; July 3.
 Actien Gesellschaft für Anilin Fabrikation. (See Kaltwasser, O., and Kirberger, assignors.)
 Adams, Claude B. (See Collins, W. T., and Adams.)
 Adams, Joseph H., Flatbush, N. Y., assignor to The Texas Company, Houston, Tex. Apparatus for the conversion and transformation of liquids, fluids, and oils. 1,461,017; July 3.
 Addograph Company. (See Crawley, Mansfield C., assignor.)
 Adsit, George, assignor to Benjamin Eastwood Company, Paterson, N. J. Beam support. 1,460,468; July 3.
 Aktiebolaget Arca Regulatorer. (See Carlstedt, Ragnar, assignor.)
 Albrecht, John, Kewaunee, Wis. Box-making machine. 1,460,693; July 3.
 Alchemic Gold Company Inc. (See Satenstein, Sidney, assignor.)
 Allen, David, New York, N. Y. Coin-changing mechanism. 1,460,878; July 3.
 Allen, David, New York, N. Y. Vending machine. 1,460,879; July 3.
 Allwright, Sidney E., Houston, Tex. Gauge. 1,460,563; July 3.
 Alton, Isaac S., Oxford, Kans. Elevator dump. 1,460,635; July 3.
 American Radiator Company. (See Mertzano, André M., assignor.)
 American Road Machinery Company. (See Polk, William D., assignor.)
 Amdursky, Samuel S., assignor to Taylor Instrument Companies, Rochester, N. Y. Automatic valve. 1,461,010; July 3.
 American Telephone and Telegraph Company. (See Darrow, Leo H., assignor.)
 American Telephone and Telegraph Company. (See Parker, Raymond D., assignor.)
 Anderson, Carl L., et al. (See Swenson, Carl E., assignor.)
 Anderson, Harry B., et al. (See Ashley, Erle G., assignor.)
 Anderson, Harold N., Cleveland, Ohio. Apparatus for rolling gears by a new method. 1,460,528; July 3.
 Anderson, Ulrich, Wausau, Wis. Grinding machine. 1,460,934; July 3.
 Ansart, Louis L., assignor to Underwood Computing Machine Company, New York, N. Y. Computing machine. 1,460,469; July 3.
 Arbuckle, Samuel F., Connersville, Ind., assignor to Monogram Lens Corporation, New York, N. Y. Head-light construction. 1,460,834; July 3.
 Arbuckle, Samuel F., Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Making light distributors and manufacturing the same uniformly in quantities. 1,460,835; July 3.
 Arbuckle, Samuel F., Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Glass-mold-burnishing process and apparatus. 1,460,836; July 3.
 Armagnat, Pierre J., Paris, France. Wavemeter. 1,460,636; July 3.
 Arnaud, Benjamin A., assignor to Societe Lyonnaise de Compteurs d'Eau, Lyon, France. Water meter. 1,460,880; July 3.
 Arzinger, William F., Jersey City, N. J. Luminous pendant. 1,460,694; July 3.
 Ashley, Erle G., Memphis, Tenn., assignor of one-third to H. B. Anderson and one-third to D. E. Thomas, Memphis, Tenn. Woodworking machinery. 1,460,780; July 3.
 Ashley, Raymond T., Reno, Nev. Draft means. 1,460,564; July 3.
 Askins, Joseph, Lima, Ohio. Vaporizer and mixer for internal-combustion engines. 1,460,470; July 3.
 Augensen, August M., Grand Junction, Colo. Can-rap-seaming apparatus for varnish cans, etc. 1,460,398; July 3.
 Auletta, Alfred, assignor of one-third to P. Paris, Bayonne, N. J. Shuttle-operating mechanism. 1,460,637; July 3.
 Automatic Electric Company. (See Homrighous, John H., assignor.)
 Automatic Electric Company. (See Martin, Talbot G., assignor.)
 Automatic Refrigerating Company, The. (See Lundgaard, Ivar, assignor.)
 Autosales Corporation. (See Coseglia, Anthony, assignor.)
 Azcona, Alberto, Magdalena, Mexico. Combined ruler and blotter. 1,460,935; July 3.
 Bailey, Percy T., Middletown, R. I. Fencepost attachment. 1,460,936; July 3.
 Bain, Charles W., Indianapolis, Ind. Pneumatic-tire protector. 1,460,781; July 3.
 Baird-Daniels Company Incorporated, et al. (See Popper, Joseph, assignor.)
 Baird, Dudley, Berkeley, Calif., assignor to General Chemical Company, New York, N. Y. Rabbling arm for roasting furnaces. 1,460,658; July 3.
 Balmer, Robert, Toronto, Ontario, Canada. Apparatus for the destruction of refuse. 1,460,565; July 3.
 Balmer, Robert, Toronto, Ontario, Canada. Refuse-disposal plant. 1,460,566; July 3.
 Bancroft, Frank H., assignor to P. Derby & Co., Inc., Gardner, Mass. Upholstery. 1,460,399; July 3.
 Bangert, Adolph, and F. May, New York, N. Y.; said F. May assignor of his entire right to C. May, Jersey City, N. J. Wrench. 1,460,837; July 3.
 Bannon, Frank A., assignor of two-thirds to R. Keller and one-third to W. A. Thornton, Dallas, Tex. Lubricating, cleaning, and painting apparatus. 1,460,695; July 3.
 Barks, Frank S., assignor to Lincoln Steel and Forge Company, St. Louis, Mo. Mine car. 1,460,696; July 3.
 Barnard, Thomas H., Toronto, Ontario, Canada. Strain clamp. 1,460,567; July 3.
 Barron, Andrew J., Cincinnati, Ohio, assignor to Cincinnati Horse Shoe & Iron Company. Automobile spring-supporting mechanism. 1,460,782; July 3.
 Barrs, Edward, London, England. Process and apparatus for coking the discharged material from low-temperature distillation apparatus. 1,460,638; July 3.
 Bassett, Robert S., Buffalo, N. Y. Liquid meter. 1,460,471; July 3.
 Bastheim, Gustave, Pittsburgh, Pa. Wrist-watch casing. Des. 62,598; July 3.
 Bauman, Arthur E., Akron, Ohio. Resilient wheel. 1,460,783; July 3.
 Bean, Roscoe, Berea, Ohio. Refacing tool. 1,460,838; July 3.
 Beavan, James F., Binghamton, N. Y. Timer brush. 1,460,937; July 3.
 Belknap, Charles B., Detroit, Mich. Dishwashing apparatus. 1,460,400; July 3.
 Benckenstein, Charles H., Vinton, La. Tubing spider. 1,460,401; July 3.
 Benckenstein, Charles H., Vinton, La. Tubing spider. 1,460,402; July 3.
 Bendlin, Alfred W., Milwaukee, Wis. Adjustable bracket. 1,460,697; July 3.
 Benjamin Eastwood Company. (See Adsit, George, assignor.)
 Benjamin, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Actuating mechanism for work supports. 1,460,362; July 3.
 Benjamins, Israel, Brooklyn, N. Y. Means for securing window sashes in position. 1,460,361; July 3.
 Benson, Thomas W., assignor to Miller Lock Company, Philadelphia, Pa. Detachable keyhole seal for padlocks. 1,460,472; July 3.
 Berenstein, Frank, Chelsea, assignor to Panther Rubber Manufacturing Company, Stoughton, Mass. Shoe heel. Des. 62,599; July 3.
 Berger Bros. Company. (See Rigby, Thomas, assignor.)
 Berger, Frank P., et al. (See Carey, Bert C., assignor.)
 Berlin, George C. (See Sebree, C. H., and Berlin.)
 Bernard, Pierre J. H., Montreal, Quebec, Canada. Radiator. 1,460,881; July 3.

- Berry, Herbert H., Springfield, Mass. Distributing-box connection for electrical conductors. 1,460,698; July 3.
- Bethel, Albert R., Mintola, assignor to Illinois Glass Company, Bridgeton, N. J. Valve mechanism for glass machines. 1,460,363; July 3.
- Bethlehem Steel Company of New York, Inc. (See Abbott, Franklin E., assignor.)
- Betts, William, Johnson City, N. Y. Vending machine. 1,460,882; July 3.
- Bickel, Henry F., Plainfield, N. J., assignor to New York Air Brake Company. Train-pipe connector. 1,460,364; July 3.
- Biggam, Harry F., assignor to The Biggam Trailer Co., Milwaukee, Wis. Trailer coupling. 1,460,839; July 3.
- Biggam Trailer Co., The. (See Biggam, Harry F., assignor.)
- Binn, Edward H. and R. H., Pittsburgh, Pa. Holder. 1,460,743; July 3.
- Binn, Ralph H. (See Binn, Edward H. and R. H.)
- Bishop, George E., Cleveland, Ohio. Automobile inclosure. 1,460,529; July 3.
- Bishop, John A., Clearwater, Fla. Fluid-fuel burner. 1,460,473; July 3.
- Blackmore, Henry S., deceased, Mount Vernon, N. Y.; I. Blackmore and S. L. Tingley, administrators. Pigment and paint. 1,460,699; July 3.
- Blackmore, Isabelle, et al., administrators. (See Blackmore, Henry S.)
- Blair, J. C., Company. (See McSheehy, Bartholomew E., assignor.)
- Blake, C. C., Incorporated. (See Small, Lewis F., assignor.)
- Blaw-Knox Company. (See Lehman, Irvin F., assignor.)
- Blevans, James L. D., Dallas, Tex. Boot and liner for automobile and similar casings. 1,460,659; July 3.
- Bogart, Edward, et al. (See Lemoigne, William, assignor.)
- Bondi, James, Buffalo, N. Y. Mold for cement blocks. 1,460,403; July 3.
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,460,568; July 3.
- Boomershine, Adam, assignor of one-half to J. C. Slager, Dayton, Ohio. Oil retainer for journal boxes. 1,460,809; July 3.
- Bougher, Samuel C., Philadelphia, Pa. Rotary brush. 1,460,883; July 3.
- Boutte, Octave J., assignor of one-half to J. D. McCall, Beaumont, Tex. Nut lock. 1,460,884; July 3.
- Bowen, David R., and C. F. Schnuck, assignors to Farrel Foundry and Machine Company, Ansonia, Conn. Mixing or masticating heavy plastic material. 1,460,938; July 3.
- Bowles, Joseph P., West New Brighton, N. Y. Button. 1,460,840; July 3.
- Boyd, John S., and T. F. Boyd, assignors to John S. Boyd Co. Inc., Williamstown, Mass. Textile fabric. Des. 62,600; July 3.
- Boyd, John S., and T. F. Boyd, assignors to John S. Boyd Co. Inc., Williamstown, Mass. Textile fabric. Des. 62,601; July 3.
- Boyd, John S., and T. F. Boyd, assignors to John S. Boyd Co. Inc., Williamstown, Mass. Textile fabric. Des. 62,602; July 3.
- Boyd, John S., Company Inc. (See Boyd, John S. and T. F., assignors.)
- Boyd, Thomas F. (See Boyd, John S. and T. F.)
- Boyer, George A., assignor of one-half to M. I. Heron and one-half to N. C. Heron, Los Angeles, Calif. Grease retainer for journal bearings. 1,460,939; July 3.
- Boyle, Hugh, Brooklyn, N. Y. Apparatus for conditioning couch rolls. 1,460,365; July 3.
- Boysen, Iwer, New York, N. Y. Taking pictures. 1,460,744; July 3.
- Braddick, Bernard L., Washington, D. C. Combined field oven and cooking utensil. 1,460,639; July 3.
- Bradley Pulverizer Company. (See Gibson, W. A., and Needham, assignors.)
- Braisted, Harry P., Woodmont, assignor to The John Hug Manufacturing Company, New Haven, Conn. Toy. Des. 62,603; July 3.
- Brand, Adolph L. (See Phelps, Byron, assignor.)
- Brandenberger, Heinrich, Vienna, Austria. Method and machine for planing helical teeth, more particularly for bevel gears. 1,460,640; July 3.
- Brenne, Richard, assignor to Kaestner & Hecht Company, Chicago, Ill. Guide shoe for elevators. 1,460,404; July 3.
- Brewer, Oscar Z., Spokane, Wash. Timing mechanism. 1,460,405; July 3.
- Brewer-Titchener Corporation, The. (See Conine, Ernest E., assignor.)
- Briddy, Bernard, Chicago, Ill., assignor to Truscon Steel Company, Youngstown, Ohio. Contraction joint for roadways. 1,460,841; July 3.
- Brockney, James L., and E. George, Detroit, Mich. Spark plug. 1,460,745; July 3.
- Brodesser, Peter H., Milwaukee, Wis. System of control for electric elevators. 1,460,569; July 3.
- Bronander, Wilhelm B., Montclair, N. J. Internal-combustion engine. 1,460,474; July 3.
- Bronander, Wilhelm B., Montclair, N. J. Internal-combustion engine. 1,460,475; July 3.
- Brooks, Howard K., New York, N. Y. Golf-stroke counter. 1,460,842; July 3.
- Broome, Ernest L., Tarrytown, N. Y. Detachable cigar band. 1,460,641; July 3.
- Brosius, Edgar E., Pittsburgh, Pa. Automatic replay and record shift for phonographs. 1,460,940; July 3.
- Broughton, Walter C., Kansas City, Mo. Knockdown concrete building. 1,460,941; July 3.
- Brown & Bigelow. (See Kristofek, Frank J., assignor.)
- Brown & Sharpe Manufacturing Company. (See Parker, John W., assignor.)
- Brown, Francis H., Glen Olden, Pa., assignor to Petroleum Heat and Power Company, Boston, Mass. Apparatus for regulating combustion. 1,460,866; July 3.
- Brown Instrument Company. (See Brown, R. P., and Frey, assignors.)
- Brown, Jeremiah E., Brooklyn, N. Y. Swing. 1,460,843; July 3.
- Brown, Max. (See Currier, Andrew E., assignor.)
- Brown, Richard P., and C. P. Frey, assignors to Brown Instrument Company, Philadelphia, Pa. Method of and apparatus for measuring electrical resistance. 1,460,530; July 3.
- Buck, Fred, assignor to The Lufkin Rule Company, Saginaw, Mich. Folding rule. 1,460,784; July 3.
- Buckeye Brass and Manufacturing Company, The. (See Selker, Harry, assignor.)
- Buckley, John, Mattapan, Mass. Control mechanism. 1,460,785; July 3.
- Buehner, William F. A., Detroit, Mich. Outboard motor. 1,460,570; July 3.
- Buffalo Specialty Company. (See Learman, Frank J., assignor.)
- Buffington, Eliza, Madison, N. J. Combined picture book and puzzle. 1,460,700; July 3.
- Bullis, Franklin H., Brooklyn, N. Y. Wave turner. 1,460,844; July 3.
- Bulman, William V., Philadelphia, Pa. Diestock. 1,460,786; July 3.
- Burch, Julius G., Bartlesville, Okla. Jar coupling for oil-well casings. 1,460,787; July 3.
- Burger, Martin. (See Wolf, J., and Burger.)
- Burgess-Norton Manufacturing Company. (See Thompson, Herbert L., assignor.)
- Burroughs, George, Monessen, Pa. Case. 1,460,942; July 3.
- Burton, Isaac F., Philadelphia, Pa., assignor to Victor Talking Machine Company. Supporting frame for talking-machine motors. 1,460,406; July 3.
- Buten, William C. (See Hay, Harry C., assignor.)
- Butter, Adolf, Clifton, N. Y. Direction indicator. 1,460,701; July 3.
- Cadenhead, Luther D., McKinney, Tex. Bookrack. 1,460,642; July 3.
- Cadman, Addi B., assignor to Warner Manufacturing Company, Beloit, Wis. Dumping vehicle. 1,460,810; July 3.
- Caleno, Ernest S., Dayton, Ohio. Explosive-engine attachment for bicycles. 1,460,811; July 3.
- California Packing Corporation. (See Opperman, Hugh F., assignor.)
- Callahan, John F., Brockton, Mass. Hemostatic forceps. 1,460,531; July 3.
- Caltrider, Samuel P., and P. P. Sauble, Westminster, Md. Poultry fountain. 1,460,702; July 3.
- Cameron, Donald A., Houghton, Mich. Body for children's vehicles. 1,460,944; July 3.
- Campbell, James R., and J. L. Reynolds, Scottsdale, Pa. Welding compound. 1,460,476; July 3.
- Campbell, John A., Quincy, Mass. Surfacing machine. 1,460,407; July 3.
- Campbell, Thomas L., Berlin, Pa. Mine-car skid. 1,460,885; July 3.
- Campbell, Wyant & Cannon Foundry Co. (See Wickland, Algot A., assignor.)
- Canine, Chester W., Cincinnati, Ohio. Conveyor device for laundry assorting and marking booths. 1,460,660; July 3.
- Capen, Fred L. (See Wood, G. H., and Capen.)
- Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal process. 1,460,703; July 3.
- Caracristi, Virginius Z. (See Muhlfeld, J. E., and Caracristi.)
- Carey, Bayton F., et al. (See Carey, Bert C., assignor.)
- Carey, Bert C., assignor of one-fourth to F. P. Berger and one-fourth to B. F. Carey, Sioux City, Iowa. Concrete mixer. 1,460,571; July 3.
- Carille, Frank S. (See Doughty, L. A., and Carille.)
- Carling Tool & Machine Company, The. (See Hokanson, Alexander, assignor.)
- Carlstedt, Ragnar, assignor to Aktiebolaget Arca Regulatorer, Stockholm, Sweden. Steam trap. 1,460,746; July 3.
- Carman, Frank J., San Francisco, Calif. Drilling wells. 1,460,788; July 3.
- Carmean, James H. (See Carmean, Samuel M., and J. H.)
- Carmean, Samuel M. and J. H., Kansas City, Mo. Electric cut-out. 1,460,943; July 3.
- Carroll, Henry R. (See Crider, Walter R., assignor.)
- Carter, William H., Needham Heights, Mass. Seamless stocking and making same. 1,460,477; July 3.

- Case, J. I., Threshing Machine Company. (See Davies, David P., assignor.)
- Casey-Hedges Co., The. (See Stimmel, Frederick C., assignor.)
- Cassidy, Louis G. (See Darnell, E., & Cassidy.)
- Celler, Arthur, Brooklyn, N. Y. Soap dissolver and agitator. 1,460,704; July 3.
- Chabot, Joseph O., assignor to George L. Paine Company, North Attleboro, Mass. Separable button. 1,461,009; July 3.
- Chaplin, Claire, New York, N. Y. Window dog kennel. 1,460,945; July 3.
- Chapman, Charles E., assignor of one-half to J. Goodfellow, Fort Edward, N. Y. Priming device for internal-combustion engines. 1,460,886; July 3.
- Charling, Lewis H., Kenosha, Wis. Automobile signal. 1,460,572; July 3.
- Christ, Alfred W., Chicago, Ill. Roll-retaining device. 1,460,946; July 3.
- Church, Edgar D., F. S. Lash, and J. W. Van Brunt, assignors to Jackson & Church Company, Saginaw, Mich. Automatic measuring device. 1,460,573; July 3.
- Cibles Automatiques Michoud Societe Anonyme. (See Michoud, Arnold, assignor.)
- Cincinnati Horse Shoe & Iron Company. (See Barron, Andrew J., assignor.)
- Clark, Henry F., Oakmont, assignor to Window Glass Machine Company, Pittsburgh, Pa. Burner for furnaces. 1,460,947; July 3.
- Clarke, Harry D., Plattsmouth, Nebr., assignor to The Ohio Tractor Company, Columbus, Ohio. Double-reduction drive for motor vehicles. 1,460,532; July 3.
- Close, James B. (See Abbott, R. H. S., and Close.)
- Clough, Percy, Keighley, England. Flier for spinning, twisting, doubling, and analogous machines. 1,460,887; July 3.
- Colby, George R., Portland, Oreg. Compression inner tube for tires. 1,460,533; July 3.
- Collignon, William C., Chicago, Ill. Speed governor for pneumatic motors. 1,460,705; July 3.
- Collins, James E. (See Koon, A. J., Hoogerhyde, and Collins.)
- Collins, Walter H. (See Moore, Max J., assignor.)
- Collins, Wesley T., and C. B. Adams, assignors to The A. C. Gas Register Company, Colorado Springs, Colo. Pump-controlled recording apparatus. 1,460,867; July 3.
- Commercial Furniture Company. (See Stringe, Alfred H., assignor.)
- Comstock, Daniel F., Cambridge, assignor to Kalmus, Comstock & Wescott, Inc., Boston, Mass. Production of complemental images. 1,460,706; July 3.
- Conine, Ernest E., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Luggage carrier. 1,461,008; July 3.
- Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
- Continental Motors Corporation. (See Mills, James P., assignor.)
- Cook, Frederick D., Fairmont, W. Va. Continuously melting vitreous enamels. 1,460,888; July 3.
- Cook, Grant L. (See Wexley, Walter W., assignor.)
- Cooper, Arthur S., Santa Monica, Calif. Tank. 1,460,999; July 3.
- Cornwall, Frederick R., St. Louis, Mo. Monorail transportation system. 1,460,534; July 3.
- Cortés, Salustio V., Valparaiso, Chile. Aerial propelling machine. 1,460,948; July 3.
- Coseglia, Anthony, West Hoboken, N. J., assignor, by mesne assignments, to Autosales Corporation. Coin-controlled vending machine. 1,460,574; July 3.
- Cotono Corporation. (See Wadsworth, Philip C., assignor.)
- Crawford, William E., Havre, Mont. Spring wheel. 1,460,889; July 3.
- Crawley, Mansfield C., Rutherford, N. J., assignor to Addograph Company, Los Angeles, Calif. Power typewriter. Re15,640; July 3.
- Crider, Walter R., Indianapolis, assignor of one-half to H. B. Carroll, Evansville, Ind. Internal-combustion engine. 1,460,789; July 3.
- Critchett, James H., Niagara Falls, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Welding rod. 1,460,790; July 3.
- Crook, Charles M., Chicago, Ill. Timing apparatus. 1,460,707; July 3.
- Crook, Jere L., jr., Jackson, Tenn. Calf feeder. 1,460,890; July 3.
- Crowell, Henry W., Glen Ridge, N. J. Machine for shucking vegetable ivory nuts. 1,460,747; July 3.
- Cummings, John M. (See Hill, John E., assignor.)
- Cunningham, E. T. (See Danielson, Ernest G., assignor.)
- Cunningham, Ralph C., Tacoma, Wash. Game-piece support. 1,460,791; July 3.
- Curme, George O., jr. (See Haynes, P. E., and Curme.)
- Currier, Andrew E., Millis, assignor to M. Brown, Boston, Mass. Paper-reinforcing machine and method thereof. 1,460,949; July 3.
- Curtis, Charles F., London, England. Cementitious compositions suitable for flooring, paving, and so forth. 1,460,643; July 3.
- Cutler-Hammer Mfg. Co. (See Hunter, Richard B., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Stevens, William C., assignor.)
- Cutler-Hammer Mfg. Co. (See Yerger, Charles W., assignor.)
- Danielson, Ernest G., assignor to E. T. Cunningham, San Francisco, Calif. Rheostat. 1,460,408; July 3.
- Darnell, Eugene, and L. G. Cassidy, Wichita, Kans. Combination ladder. 1,460,792; July 3.
- Darrow, Leo H., New York, N. Y., assignor to American Telephone and Telegraph Company. Electric signaling system. 1,460,368; July 3.
- Davies, David P., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Piston. 1,460,535; July 3.
- Davies, Phil, Woollahra, New South Wales, Australia. Device for replacing fuse wire and for indicating blown-out electric circuits. 1,460,478; July 3.
- Davis, Arthur P., assignor to E. A. Sperry, Brooklyn, N. Y. Feeding and rotating means for electrodes. 1,460,793; July 3.
- Dean, Anthony C. (See Winters, Robert E., assignor.)
- Dean, Lyndon, Taloga, Okla. Spoke. 1,460,536; July 3.
- De Coninck, Marcel, Le Havre, France. Flexible gearing. 1,460,661; July 3.
- De Guire, Georges A., Montreal, Quebec, Canada. Mixing chamber for fluid-fuel burners. 1,460,369; July 3.
- Dehn, William M., Seattle, Wash. Manufacturing diazodinitrophenol. 1,460,708; July 3.
- De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
- Denney, William H., South Orange, N. J. Vanity case. 1,460,950; July 3.
- Dentists' Supply Company, The. (See Williams, James L., assignor.)
- Derby, P., & Co. (See Bancroft, Frank H., assignor.)
- De Shields, Julia W., Riverdale-on-Hudson, N. Y. Foot rest. Des. 62,604; July 3.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing machine. 1,460,891; July 3.
- Dewar, Robert L., Grand Rapids, Mich. Engine piston. 1,460,537; July 3.
- Diegel, John F. W., Manitowoc, Wis. Automobile signal. 1,460,709; July 3.
- Dieter, William, Newark, N. J. Air-leak vent for torpedoes. 1,460,370; July 3.
- Dyvelbiss, Newton C., San Francisco, Calif. Automobile brake. 1,460,892; July 3.
- Dyvelbiss, Newton C., San Leandro, Calif. Automobile brake. 1,460,893; July 3.
- Dix, Arthur, Taft, Calif. Casing cutter. 1,460,894; July 3.
- Dixen, Laue F. J., Frederiksberg, near Copenhagen, Denmark. Machine for preparing buttered bread. 1,460,371; July 3.
- Dixon, Albert S., Los Angeles, Calif. Folding ladder. 1,460,479; July 3.
- Dobbs, Willis. (See Rowan, John C., assignor.)
- Dochnal, Mathias, St. Louis, Mo. Burial vault. 1,460,409; July 3.
- Dollison, James M., and C. E. Smith, Columbus, Ohio. Changeable-color spotlight. 1,460,644; July 3.
- Donovan, William J., Philadelphia, Pa. Curtain and drapery support. 1,460,575; July 3.
- Dorman, Harley A. (See Weiske, W. C., and Dorman.)
- Dornier, Claudius, assignor of one-half to Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Hollow sheet-metal structure. 1,460,372; July 3.
- Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)
- Dornseif, Hugo, Bergerhof, Germany. Means for preventing fowl from escaping. 1,460,748; July 3.
- Doscher, Carl F. (See Thompson, R. S., and Doscher.)
- Doughty, Leon A., Glenside, and F. S. Carlile, Philadelphia, Pa. Battery terminal. 1,460,895; July 3.
- Dräger, Alexander B., H. W. C. Schröder, and E. W. Kunzmann, Lubeck, Germany; said Schröder and said Kunzmann assignors to said Dräger. Burner for the autogenous cutting of metals. 1,460,662; July 3.
- Drake, John J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Guide for sewing machines. 1,460,812; July 3.
- Draper Corporation. (See Knight, Need, assignor.)
- Ducas, Charles, assignor to C. Ducas, A. W. Whiteford, and D. W. Pye, trustees, New York, N. Y. Tender tank. 1,460,710; July 3.
- Ducas, Charles, et al., trustees. (See Ducas, Charles, assignor.)
- Dudley, Carrie D., Chicago, Ill. Receptacle for flowers. Des. 62,605; July 3.
- Dudley, Howard A., Hagerstown, Md. Loose leaf binder. 1,460,663; July 3.
- Dudley, Howard A., Hagerstown, Md. Loose-leaf binder. 1,460,712; July 3.
- Dull, Raymond W., assignor to Link Belt Company, Chicago, Ill. Securing wrist pins for chain links. 1,460,749; July 3.
- Duncan, Joseph S., Chicago, Ill. Printing and addressing machine. 1,460,711; July 3.
- Duncan, Lee W., Fort Wayne, Ind. Window protector. 1,460,645; July 3.
- Dunlap, Paul, Richmond, Calif. Combined muffler and vaporizer. 1,460,664; July 3.
- Duntley, J. W. (See Osborn, Jesse C., assignor.)

- Durfee, Ben, Wichita, Kans. Signboard. 1,460,951; July 3.
- Eastman Kodak Company. (See Capstaff, John G., assignor.)
- Eastman Kodak Company. (See Fritts, Edwin C., assignor.)
- Eastman Kodak Company. (See Hopkins, Marcus C., assignor.)
- Eastman Kodak Company. (See Kroedel, Robert, assignor.)
- Eastman Kodak Company. (See Webb, William R., assignor.)
- Easton, Lucian F., La Crosse, Wis. Locking device for motor valves. 1,460,538; July 3.
- Edwards, Bruce V., Newark, N. J., assignor to W. L. Leary, Chicago, Ill. Conveying apparatus. 1,460,539; July 3.
- Ektrom, Eric S., et al. (See Swenson, Carl E., assignor.)
- Electric Auto-Lite Company, The. (See Gilchrist, Clarence F., assignor.)
- Electric Controller & Manufacturing Company, The. (See Stratton, Harry F., assignor.)
- Elledge, Percy J., Cleveland, Mo. Dirigible headlight. 1,460,540; July 3.
- Ellis Drier & Elevator Company. (See Ellis, Hubert C., assignor.)
- Ellis, Hubert C., Evanston, assignor to Ellis Drier & Elevator Company, Chicago, Ill. Condensation trap. 1,460,410; July 3.
- Ellis, Hubert C., Evanston, assignor to Ellis Drier & Elevator Company, Chicago, Ill. Tilting trap. 1,460,411; July 3.
- Ellis, Ridsdale, Oak Park, Ill. Ice manufacture. 1,460,646; July 3.
- Elyria Iron & Steel Company, The. (See Tilden, Charles S., assignor.)
- Emerson-Brantingham Company. (See Traphagen, Harry R., assignor.)
- Emery, James H., Inwood Park, N. Y. Artificial fruit and producing same. Re15,641; July 3.
- Emery, Sidney S., Denver, Colo. Lubrication record. 1,460,576; July 3.
- Eppler, John, Philadelphia, Pa. Machine for making paper cones. 1,460,750; July 3.
- Ericson, Emile, Pelham, and R. Weiss, New York, N. Y., assignors to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,606; July 3.
- Eustis, Samuel L., jr., Onaga, Kans. Conveyer. 1,460,952; July 3.
- Fairbanks, Carl A., Wichita, Kans. Controlling device for electric signs. 1,460,953; July 3.
- Fairbanks, Carl A., Wichita, Kans. Educational sign. 1,460,954; July 3.
- Falk, John L., Spokane, Wash. Fuel chute. 1,460,713; July 3.
- Fallada, Frank J., Chicago, Ill. Crowning machine. 1,460,577; July 3.
- Farrel Foundry and Machine Company. (See Bowen, D. R., and Schnuck, assignors.)
- Fausser, Gustave M., Ardley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,607; July 3.
- Fausser, Gustave M., Ardley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,608; July 3.
- Fausser, Gustave M., Ardley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,609; July 3.
- Fausser, Gustave M., Ardley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,610; July 3.
- Faust, Levin, et al. (See Swenson, Carl E., assignor.)
- Fay, Albert E., et al. (See Johnson, Alvin L., assignor.)
- Finigan, Charles, Gibsonia, Pa. Feeding mechanism for tin-plate lithographing machines. 1,460,373; July 3.
- Fischer, Felix M., Kewaunee, Ill. Tractor hitch. 1,460,578; July 3.
- Fischer, Frederick W., Milwaukee, Wis. Machine for treating wicks. 1,460,955; July 3.
- Fischer, Frederick P., Chicago, Ill. Smoke consumer. 1,460,956; July 3.
- Fischer, Walter. (See Young, Harry W., assignor.)
- Folkes, George E. (See Harvey, Albert E., assignor.)
- Foot, James H., Cincinnati, Ohio. Sheave-bearing housing. 1,460,541; July 3.
- Forbes, Sumner, Brookline, assignor to Union Industrial Company, Boston, Mass. Spinning ring. 1,460,751; July 3.
- Fort Morris. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
- Foundation Oven Corporation. (See Schrader, Lloyd F., assignor.)
- Freeman, James J., Bradford, Pa. Gas breaker. 1,460,896; July 3.
- Frey, Charles P. (See Brown, R. P., and Frey.)
- Fricke, William A., Chicago, Ill. Phonograph. 1,460,579; July 3.
- Fritts, Edwin C., Urbana, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Enlarging camera. 1,460,714; July 3.
- Froeschle, Waldemar W., assignor to C. J. Gregory, St. Louis, Mo. Anatomical support. 1,460,957; July 3.
- Fruchter, Israel H., New York, N. Y. Device for perforating paper. 1,460,647; July 3.
- Ftykio, Andy, Braznell, Pa. Nut lock. 1,460,412; July 3.
- Fuller, Ernest L., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making inner tubes. 1,461,000; July 3.
- Fuller Mfg. Co., The. (See Tremper, Charles W., assignor.)
- Fulton, Frederick J., Saginaw, Mich. Supporter. 1,460,752; July 3.
- Funke, Hans, Zittau, Germany. Stove. 1,460,374; July 3.
- Gahlert, Franz, jr., Welpert, Bohemia. Gear. 1,460,958; July 3.
- Gaines, Henry W., Bowling Green, Ky. Spring wheel. 1,460,413; July 3.
- Gallaudet, Edson F., East Greenwich, R. I. Tennis racket and the like. 1,460,865; July 3.
- Garland, Claude M., Chicago, Ill. Apparatus for devolatilizing coal, shale, etc. 1,460,414; July 3.
- Garrett, Robert E., Nashville, Tenn. Underwear. 1,460,959; July 3.
- Garver, Joseph L. (See Howe, C. W., and Garver.)
- Gaskill, John E., St. Louis, Mo. Purifying garlicy wheat. 1,460,648; July 3.
- Geist Manufacturing Company. (See Wiederwax, Robert W., assignor.)
- Gelarie, Saul, Brooklyn, N. Y. Reenforced bloomers. 1,460,666; July 3.
- General Chemical Company. (See Baird, Dudley, assignor.)
- General Fire Extinguisher Company. (See Haussler, C. F., and Park, assignors.)
- General Fireproofing Company, The. (See McPike, H. C., and Schmitz, assignors.)
- George, Charles E. (See Brockney, J. L., and George.)
- Gerber, Martin, Iowa City, Iowa. Radiator repair machine. 1,460,480; July 3.
- Gerrard, Alec J., Chicago, Ill. Wire stretching and tying machine. 1,460,649; July 3.
- Gibson, William A., and C. E. Needham, Allentown, Pa., assignors to Bradley Pulverizer Company, Boston, Mass. Air separator. 1,460,960; July 3.
- Gilchrist, Clarence F., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Current cut-out. 1,460,961; July 3.
- Gillespie, Scott, and F. L. Shelor, Salem, Va.; said Shelor assignor to International Filler Corporation, Petersburg, Va. Corking machine. 1,460,650; July 3.
- Glushak, David A., Washington, D. C. Fountain pen. 1,460,481; July 3.
- Golden, Charles F., Denver, Ind. Drafting instrument. 1,460,482; July 3.
- Good Inventions Co. (See Good, John, assignor.)
- Good, John, Brooklyn, assignor to Good Inventions Co., New York, N. Y. Combustion-engine charge-forming device. 1,460,667; July 3.
- Good, John, Brooklyn, assignor to Good Inventions Co., New York, N. Y. Internal combustion engine. 1,460,668; July 3.
- Goodfellow, John H., Buffalo, N. Y. Boiler-tube cleaner. 1,460,669; July 3.
- Goodfellow, Joseph. (See Chapman, Charles E., assignor.)
- Goodyear Tire & Rubber Company, The. (See Fuller, Ernest L., assignor.)
- Gorton, Walter T., U. S. Army. Operating slide and handle for machine guns. 1,460,415; July 3.
- Granberg, Albert J., assignor to The Granberg Meter Company, San Francisco, Calif. Liquid meter. 1,460,715; July 3.
- Granberg Meter Company, The. (See Granberg, Albert J., assignor.)
- Greenlaw, Frank L., Los Angeles, Calif. Hose reel. 1,460,897; July 3.
- Greer, Butler F., San Francisco, Calif. Book-form savings bank. 1,460,716; July 3.
- Gregory, Charles J. (See Froeschle, Waldemar W., assignor.)
- Griffin, Patrick J., Dorchester, Mass. Pneumatic-tire wheel. 1,460,753; July 3.
- Griswold, Andrew E., Seattle, Wash. Switch. 1,460,542; July 3.
- Griswold, Marius E., Burlington, Iowa. Automatic stop for phonographs. 1,460,543; July 3.
- Gronos, Arthur A., Pontiac, Mich. Self-locking shore. 1,460,375; July 3.
- Groth, Charles H., Rochester, Pa. Cooper's sun plane. 1,460,717; July 3.
- Grube Auto & Tire Specialties Corp'n. (See Grube, John H., assignor.)
- Grube, John H., Los Angeles, Calif., assignor to Grube Auto & Tire Specialties Corp'n, Phoenix, Ariz. Tube casing. 1,460,794; July 3.
- Gunson, Thomas R. (See Kohout, J. J., and Gunson.)
- Guttridge, Loammie A., and F. M. Mosier, assignors of one-third to said Guttridge and two-thirds to G. N. Slonaker, Columbus, Ohio. Switch attachment for folding machines. 1,460,544; July 3.
- Haack, Gustave, Madison, Wis. Life buoy. 1,460,483; July 3.
- Hagemann, Carl W., administrator. (See Werbeck, Walter G.)

- Hall, Robert F., Moseley, near Birmingham, England. Cam. 1,460,651; July 3.
- Hall, Seth M., Portland, Oreg. Axle. 1,460,962; July 3.
- Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,461,011; July 3.
- Hampel, Heinrich, Halle, Germany. Making nitrates. 1,460,898; July 3.
- Hampson, John. (See Mackinnon, F. A., and Hampson.)
- Hanseman, Richard A. (See Kucharski, Stanislaus, assignor.)
- Hansen, John S., Brockton, Mass. Adjustable shoe-tree. 1,460,963; July 3.
- Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Purifying and dehydrating switch oil. 1,460,718; July 3.
- Harper, John T., Leoti, Kans. Lace eyelet. 1,460,899; July 3.
- Harrington, Albert G., Birmingham, Mich. Combined pail and stand. 1,460,484; July 3.
- Harris, Hollis H., assignor to The Thew Shovel Company, Lorain, Ohio. Control mechanism of excavating machines or the like. 1,460,813; July 3.
- Harris, Hu M., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn. Well elevator. 1,460,852; July 3.
- Harris, Joseph G., and G. D. Jaquett, Jacksonville, Fla. Automatic pressure valve. 1,460,900; July 3.
- Harris, Rhys D., Seven Sisters, Wales. Apparatus for use in blasting. 1,461,012; July 3.
- Harshberger, Norman P., assignor to Tee-Lok Shingle Company, Chicago, Ill. Shingle. 1,460,795; July 3.
- Hart, Harry S., Shreveport, La. Watchman's recording mechanism. 1,460,901; July 3.
- Hart, Harry S., Shreveport, La. Watchman's recording mechanism. 1,460,902; July 3.
- Harter, Noah S., Waukegan, assignor of one-third to G. F. Rummel and one-third to A. T. Weaver, Chicago, Ill. Game apparatus. 1,460,670; July 3.
- Hartford, Edward V., deceased, Deal, N. J.; H. P. Hartford, administratrix. Motor and means for controlling the same. 1,461,001; July 3.
- Hartford, Henrietta P., administratrix. (See Hartford, Edward V.)
- Hartman, Frank R., Chicago, Ill. Paper-sheet-feeding machine. 1,460,376; July 3.
- Harvey, Albert E., Streetley, assignor of one-half to G. E. Folkes, Birmingham, England. Appliance for playing an improved card game. 1,460,485; July 3.
- Harvey, Helen I., Butte, Mont. Automatic baster for cooking. 1,460,486; July 3.
- Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,460,580; July 3.
- Hausser, Carl F., and N. W. Park, assignors to General Fire Extinguisher Company, Providence, R. I. Inductor for gas burners. 1,460,903; July 3.
- Hawkins, Wilford J., Montclair, N. J. Rotary compressor, expander, motor, and pump. 1,460,487; July 3.
- Hay, Harry C., assignor of one-half to W. C. Buten, Newport, Ky. Automobile alarm signal. 1,460,377; July 3.
- Haynes, Pierre E., Buffalo, N. Y., and G. O. Curme, jr., Pittsburgh, Pa., assignors to The Linde Air Products Company, Cleveland, Ohio. Production of ethylene. 1,460,545; July 3.
- Heal, William E., Washington, D. C. Process of and apparatus for making sheet glass. 1,460,488; July 3.
- Hebsacker, Wilhelm, Hellbronn, Germany. Excavating machine. 1,460,671; July 3.
- Hedburg, Eric, Kingman, Ariz. Lining for ball mills. 1,460,796; July 3.
- Heddon's, James, Sons. (See Welch, John T., assignor.)
- Heeter, Thomas E., St. Louis, Mo. Machine for making book covers. 1,460,581; July 3.
- Helm, Philip E., Sharon Hill, Pa. Vest. 1,460,416; July 3.
- Hemco Electric Manufacturing Company. (See Ile, William, assignor.)
- Henshaw, Seth B., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method of and apparatus for drawing sheet glass. 1,460,582; July 3.
- Herman, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Loose cover and cutter for hermetically-sealed tins. 1,460,845; July 3.
- Heron, Minta I., et al. (See Boyer, George A., assignor.)
- Heron, Norman C., et al. (See Boyer, George A., assignor.)
- Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,460,846; July 3.
- Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,460,847; July 3.
- Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,460,848; July 3.
- Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,460,849; July 3.
- Hicks, John W., Madison, Wis., and W. W. Hicks, Washington, D. C. Film drier. 1,460,378; July 3.
- Hicks, Richard W., Akron, Ohio. Attachment for fruit crates. 1,460,797; July 3.
- Hicks, Walter W. (See Hicks, John W. and W. W.)
- Higgins, John M., Sacramento, Calif. Hair-waving machine. 1,460,653; July 3.
- High Speed Hammer Company. (See Leckinger, Philip H., assignor.)
- Hill, John E., West Somerville, assignor of one-half to J. M. Cummings, Stoneham, Mass. Automobile signal. 1,460,904; July 3.
- Hill, William H., Manati, P. R. Kerosene vaporizer. 1,460,583; July 3.
- Hines, Joseph H., Auburn, Calif. Automatic pistol. 1,460,672; July 3.
- Hlozek, Joseph, Cleveland, Ohio. Extension table. 1,460,754; July 3.
- Hochstrasser, Alan, Denver, Colo. Hard candy confection. Des. 62,611; July 3.
- Hodge, Howard D., assignor to G. Ramsey, New York, N. Y. Rim-fire ammunition. 1,461,013; July 3.
- Hoff, Sigurd J., New York, N. Y. Dumb-waiter lock. 1,460,417; July 3.
- Hoffman, William M., Buffalo, N. Y., assignor, by mesne assignments, to Oil Fuel Engineering Corporation. Fuel-oil burner. 1,460,719; July 3.
- Hokanson, Alexander, Burnside, assignor to The Carling Tool & Machine Company, Hartford, Conn. Brush. 1,460,850; July 3.
- Holmes, Carlton W., Long Beach, assignor of one-half to Z. S. Skinner, Los Angeles, Calif. Finger ring. 1,460,798; July 3.
- Holyoke Company, The. (See Marshall, William R., assignor.)
- Homrighous, John H., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Voice-current telephone repeater. 1,460,814; July 3.
- Honsinger, Charles A., Detroit, Mich. Bank safety device. 1,460,584; July 3.
- Hoogerhyde, John. (See Koon, A. J., Hoogerhyde, and Collins.)
- Hope, William H., Providence, R. I. Ruling machine. 1,461,002; July 3.
- Hopkins, Marcus C., assignor to Eastman Kodak Company, Rochester, N. Y. Color photography and photographic elements. 1,460,673; July 3.
- Horton, James A., Worcester, Mass. Continuous wire-drawing machine. 1,460,379; July 3.
- Howe, Charles W., Dayton, and J. L. Garver, Hamilton, Ohio. Grading and scarifying device for tractors. 1,460,585; July 3.
- Howe, Roy A., and J. F. Irish, Bantam, Conn. Fruit picker. 1,460,755; July 3.
- Howse, Curtes L., Detroit, Mich., assignor to The Underfeed Stoker Company of America. Hydraulic drive for stoker rams. 1,460,586; July 3.
- Hughes, Hiram C., Boston, Mass. Frying pan. 1,460,380; July 3.
- Hughes, Walter. (See Wigle, W. B., and Hughes.)
- Hugo, John, Manufacturing Company, The. (See Braisted, Harry F.)
- Humphrey, Ernest N., New Britain, Conn. Buckle. 1,460,381; July 3.
- Humphrey, Ernest N., assignor to The Traut & Hine Mfg. Company, New Britain, Conn. Buckle. 1,460,756; July 3.
- Hungerford, Warren H. (See Peters, F. M., and Hungerford.)
- Hunt, Seth B., trustee. (See Williams, R. R., and White, assignors.)
- Hunter, Richard B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Drum controller. 1,460,546; July 3.
- Huntington, Levin B., Annapolis, Md. Fish bait or lure. 1,460,905; July 3.
- Huston, Charles P. L., Plainfield, N. J. Insulated handle for tools. 1,460,654; July 3.
- Hutchings, George B., Richmond, Va. Sign box. 1,460,674; July 3.
- Hyde, Burdon P., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. 1,460,906; July 3.
- Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Door engine control. 1,460,382; July 3.
- Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Electric heater. 1,460,815; July 3.
- Hyvert, Jean, St.-Denis, France. Fuel-saving device. 1,460,964; July 3.
- Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Governor. 1,460,907; July 3.
- Ideal Stitcher & Mfg. Co. (See Wolf, J., and Burger, assignors.)
- Ile, William, Lynbrook, assignor to Hemco Electric Manufacturing Company, Inc., New York, N. Y. Electric fuse plug. 1,460,675; July 3.
- Iles, John L. and T., Magnolia Springs, Ala. Apparatus for automatically controlling the headlights of automobiles. 1,460,965; July 3.
- Iles, John T. (See Iles, John L. and J. T.)

- Illinois Glass Company. (See Bethel, Albert R., assignor.)
- Ingalls, Joseph B., Chicago, Ill. Coin-bank register. 1,460,908; July 3.
- Ingersoll-Rand Company. (See Parsons, Frederick W., assignor.)
- International Filler Corporation. (See Gillespie, S., and Shelor, assignors.)
- Irish, John F. (See Howe, R. A., and Irish.)
- Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Valve. 1,460,587; July 3.
- Jackson & Church Company. (See Church, E. D., Lash, and Van Brunt, assignors.)
- Jacobs, Clarence M., Butler, Ky. Shoe for disk barrows. 1,460,489; July 3.
- Jaquett, George D. (See Harris, J. G., and Jaquett.)
- Jenkins, Alexander F., Baltimore, Md. Combination cutting and welding torch. 1,460,655; July 3.
- Jirasek, John, Detroit, Mich. Furnace-ash-pit screen sifter. 1,460,547; July 3.
- Joannes, Giuseppe, Turin, Italy. Temperature-indicating device. 1,460,909; July 3.
- Johnson, Aben E. (See Longworth, John W., assignor.)
- Johnson, Alvin L., Worcester, assignor of forty-eight per cent to W. G. Warren, Holden, and four per cent to A. E. Fay, Worcester, Mass. Screw jack. 1,460,799; July 3.
- Johnson, Audiff, Stockton, Calif. Can punch and seal. 1,460,418; July 3.
- Johnson, Edward A., Brooklyn, N. Y. Tire. 1,460,588; July 3.
- Johnson, Franklin, New York, N. Y. Game device. 1,460,966; July 3.
- Johnson, Otis, San Diego, Calif. Adhesive. 1,460,757; July 3.
- Johnson, William P. W. (See McLesky, F., and Johnston.)
- Johnston, Genevieve. (See Johnston, Horace G., assignor.)
- Johnston, Horace G., assignor to G. Johnston, Corsicana, Tex. Gas scrubber. 1,460,490; July 3.
- Johnston, Millard L., Utica, N. Y. Cartridge-feeding mechanism for machine guns. 1,460,800; July 3.
- Joyce, Bryan P., Washington, D. C. Counterpoise. 1,460,419; July 3.
- Joyce, Bryan P., Davenport, Iowa. Counterpoise. 1,460,420; July 3.
- Junge, Xavier, Ventura, N. Dak. Stovepipe coupling. 1,460,910; July 3.
- K-D Barrel & Hamper Company, The. (See Walker, Joseph L., assignor.)
- Kaestner & Hecht Company. (See Brenne, Richard, assignor.)
- Kaimus, Comstock & Wescott, Inc. (See Comstock, Daniel F., assignor.)
- Kaltwasser, Oskar, Berlin, and L. Kirberger, Berlin-Charlottenburg, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Dyeing skins, hairs, and the like. 1,460,758; July 3.
- Karayanis, Nicholas J. (See Miller, W. P., and Karayanis.)
- Kaufmann, Max, & Company Inc. (See McCreedy, J. W.)
- Kaupert, Joseph, Chicago, Ill. Lifting jack. 1,460,851; July 3.
- Keeler, May A., San Francisco, Calif. Abdominal support. 1,460,421; July 3.
- Keeperts, Harry H., Detroit, Mich. Means and dies for drop-forging crank shafts and forming crank shafts. 1,460,720; July 3.
- Kégresse, Adolphe, Paris, France. Track belt for motor vehicles. 1,460,656; July 3.
- Keller, Ridgell, et al. (See Bannon, Frank A., assignor.)
- Kellogg Switchboard and Supply Company. (See Ide, Harry H., assignor.)
- Kendall, William G., Newark, N. J., assignor to H. Rigaud, doing business as Parfumerie Rigaud, New York, N. Y. Vanity case. 1,460,967; July 3.
- Kilgour, Walter M. S., Lexington, Mass. Lubricating system and apparatus. 1,460,383; July 3.
- Killion, John F., Norfolk, Mass., assignor to Whiting Chain Company. Mesh bag. Des. 62,612; July 3.
- Kinsley, William S., Reading, assignor to The Russell Company, Boston, Mass. Material-handling apparatus. 1,460,384; July 3.
- Kintz, Robert R., Meriden, Conn. Antislipping attachment for vehicle tires. 1,460,657; July 3.
- Kirberger, Leopold. (See Kaltwasser, O., and Kirberger.)
- Kneppel, Stephan, Scranton, Pa. Flush-tank valve. 1,460,968; July 3.
- Knight, Need, Lancaster S. C., assignor to Draper Corporation, Hopedale, Mass. Filling-fork grid for looms. 1,460,589; July 3.
- Kohn, Siegfried, Philadelphia, Pa., assignor to Rohm & Haas Company. Synthetic tan and making same. 1,460,422; July 3.
- Kohout, Jerry J., and T. R. Gunson, Nunn, Colo. Automobile brake. 1,460,911; July 3.
- Konyves, Coloman. (See Toth, L., Konyves, and Striefler.)
- Koon, Arthur J., J. Hoogerhyde, and J. E. Collins, Grand Rapids, Mich.; said Koon assignor to said Hoogerhyde and said Collins. Connecting-rod-testing appliance. 1,460,548; July 3.
- Koretzky, Harry M., New York, N. Y. Terminal for dry batteries. 1,460,969; July 3.
- Krahn, Alvin W., Milwaukee, Wis. Pressure regulating and releasing apparatus for wringers. 1,460,423; July 3.
- Kramer, Benjamin. (See Kramer, Nathan and B.)
- Kramer, Nathan and B., assignors to Trenton Auto Radiator Works, Trenton, N. J. Automobile radiator. 1,460,852; July 3.
- Kratochvil, Joseph, Chicago, Ill. Mechanism for operating railway-crossing gates. 1,460,912; July 3.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Pen or pencil case. Des. 62,613; July 3.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Pen or pencil case. Des. 62,614; July 3.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Pen or pencil case. Des. 62,615; July 3.
- Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Camera support. 1,460,816; July 3.
- Kucharski, Stanislaus, Charlottenburg, near Berlin, assignor to R. A. Hansemann, Berlin, Germany. Optical picture cabinet. 1,460,590; July 3.
- Kuhn, Charles E., Harrisburg, Pa. Combination furniture. 1,460,591; July 3.
- Kuhn-Frei, Emil, assignor to A. Weinman, Zurich, Switzerland. Magnetizing bodies. 1,460,759; July 3.
- Kunzmann, Ernst W. (See Dräger, A. B., Schröder, and Kunzmann.)
- Lace, Raymond F., Columbus, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y. Tire clamp. 1,460,385; July 3.
- Lacey, Lucius L. (See McGinley, Frederick D., assignor.)
- Lacke, William A., Chicago, Ill. Thermostat. 1,460,853; July 3.
- Laing, Bryan. (See Nielsen, H., and Laing.)
- Lamson, William W., Collins, Nebr. Hog-ripping device. 1,460,970; July 3.
- Landahl, Eugene E., Oak Park, Ill. Conveying and screening apparatus. 1,460,491; July 3.
- Landers, David A., Chicago, Ill., assignor to Wirebounds Patents Company, Kittery, Me. Machine for use in making boxes. 1,461,014; July 3.
- Langdon, Walter W., Cincinnati, Ohio. Device for soldering ice cans and the like. 1,460,549; July 3.
- Lantz, Robert. (See Wahl, A., and Lantz.)
- Larsen, Edward A., Larkspur, Calif. Mold for making ship hulls and like floatable structures. 1,460,676; July 3.
- Larsson, Knut. (See Lienzén, D. L., and Larsson.)
- Lash, Frank S. (See Church, E. D., Lash, and Van Brunt.)
- Latz, Harry L., Atlantic City, N. J. Communication sheet. 1,460,492; July 3.
- Lawence, Frederick K., Chicago, Ill., assignor to Self Mounting Carrier Company, Wilmington, Del. Carrier for spare wheels and the like. 1,460,592; July 3.
- Learnan, Frank J., assignor to Buffalo Specialty Company, Buffalo, N. Y. Polishing mop. 1,461,003; July 3.
- Leary, William L. (See Edwards, Bruce V., assignor.)
- Lebreton, Anna, and E. Talbot, Seattle, Wash. Street indicator. 1,460,854; July 3.
- Leckinger, Philip H., assignor to High Speed Hammer Company, Inc., Rochester, N. Y. Riveting hammer. 1,460,424; July 3.
- Lehman, Irvin F., assignor to Blaw-Knox Company, Pittsburgh, Pa. Annealing box. 1,460,855; July 3.
- Lehmann, Frederick C. (See Yeiser, L. B., and Lehmann.)
- Leinan, Edwin S., Fargo, N. Dak. Agitator. 1,460,493; July 3.
- Le Mahieu, H. W. (See West, Merle J., assignor.)
- Lemoigne, William, assignor of one-fourth to E. Bogart and one-fourth to A. Weiss, Colusa, Calif. Adjustable brace. 1,460,593; July 3.
- Le Moon, Axel R., assignor to Nelson & Le Moon, Chicago, Ill. Flexible coupling for drive shafts. 1,460,594; July 3.
- Lewinson, Hyman, Erie, Pa. Self-filling pen. 1,460,386; July 3.
- Libbey-Owens Sheet Glass Company. (See Henshaw, Seth B., assignor.)
- Liebowitz, Benjamin, New Rochelle, N. Y. Flexible joint. 1,460,817; July 3.
- Lienzén, David L., and K. Larsson, Stockholm, Sweden. Switching apparatus for telephone systems. 1,460,913; July 3.
- Lincoln Steel and Forge Company. (See Barks, Frank S., assignor.)
- Linde Air Products Company, The. (See Haynes, P. E., and Curme, assignors.)
- Link Belt Company. (See Dull, Raymond W., assignor.)
- Lisson, Louis, Syracuse, N. Y. Film-spool support. 1,460,971; July 3.
- Lister, William C., Toronto, Ontario, Canada. Adjustable seat. 1,460,721; July 3.
- Locomotive Pulverized Fuel Company. (See Muhlfeld, J. E., and Caracristi, assignors.)
- Loggins, John H., Fordyce, Ark. Air-inlet device. 1,460,550; July 3.
- Longworth, John W., Grand Rapids, assignor to A. E. Johnson, Hastings, Mich. Burglar alarm. 1,460,818; July 3.

- Lovejoy, Ralph M., Meredith, N. H. Internal-combustion engine. 1,460,722; July 3.
- Lovejoy, Ralph M., Meredith, N. H. Shock absorber. 1,460,723; July 3.
- Lovejoy, Ralph M., Meredith, N. H. Shock-absorber connection. 1,460,856; July 3.
- Lucey Manufacturing Corporation. (See Harris, Hu M., assignor.)
- Lufkin Rule Company, The. (See Buck, Fred, assignor.)
- Lumsden, James D., deceased. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
- Lumsden, Robert O., et al., executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
- Lumsden, Susan A. R. F., et al., executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
- Lundgaard, Ivar, assignor to The Automatic Refrigerating Company, Hartford, Conn. Air-refrigerating machine. 1,460,677; July 3.
- Lundgren, Jonas G., Clear Lake, Iowa. Combined electric switch and fuse. 1,460,914; July 3.
- Luton, Smith L., Hugo, Okla. Shoe-salesman's stool. 1,460,915; July 3.
- Lyman, William G., Peoria, Ill. Ice-cream dipper. 1,460,551; July 3.
- McCall, John D. (See Boutee, Octave J., assignor.)
- McCracken, John J., Norfolk, Va. Star identification protractor. 1,460,387; July 3.
- McCreedy, James W., assignor to Max Kaufmann & Company, Inc., New York, N. Y. Textile fabric. Des. 62,617; July 3.
- McCreedy, James W., assignor to Max Kaufmann & Company, Inc., New York, N. Y. Textile fabric. Des. 62,618; July 3.
- McCreedy, James W., assignor to Max Kaufmann & Company, Inc., New York, N. Y. Textile fabric. Des. 62,619; July 3.
- McEnaney, Owen F., Brooklyn, N. Y. Pipe attachment for steam looms. 1,460,972; July 3.
- McGee, Jesse E., Guntown, Miss. Basket-supporting means. 1,460,760; July 3.
- McGinley, Frederick D., Pleasant Beach, assignor of one-half to L. L. Lacey, Syracuse, N. Y. Car replacer. 1,460,973; July 3.
- McGrath, John T., Bloomington, Ill. Grinding machine. 1,460,724; July 3.
- McKee, Louis H., Trenton, N. J. Floor fastening for desks, seats, and chairs. 1,460,425; July 3.
- McLean, Donald H., administrator. (See Thofehn, Herman G. C.)
- McLesky, Frank, and W. P. W. Johnson, Chicago, Ill. Curtain guide. 1,460,857; July 3.
- McNichol, Theodore W., Swampscott, Mass. Machine for sawing lasts. 1,460,678; July 3.
- McNichol, Theodore W., Swampscott, Mass. Last and making the same. 1,460,679; July 3.
- McPike, Harold C., and F. A. Schmitz, assignors to The General Fireproofing Company, Youngstown, Ohio. Card-index tab. 1,460,761; July 3.
- McSheehy, Bartholomew E., assignor to J. C. Blair Company, Huntington, Pa. Folding papeterie. 1,460,426; July 3.
- McVicker, Emery M., assignor to J. F. McVicker, Milwaukee, Wis. Rail fastener. 1,460,819; July 3.
- McVicker, J. F. (See McVicker, Emery M., assignor.)
- Maag, Max, Zurich, Switzerland. Drag-spindle gear. 1,460,552; July 3.
- Mackenzie, Robert W. R., et al., executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
- Mackenzie, Robert W. R., Fife, E. H. Robinson, Perth, M. Fort and J. D. Lumsden, deceased, Almondbank, by S. A. R. F. Lumsden, Huntingtowerfield, Almondbank, R. W. R. Mackenzie, Earlishall, Fife, J. G. Miller, Perth, R. O. Lumsden, Almondbank, and A. P. Melville, Edinburgh, Scotland, executors. Beetling and treatment of fabrics. 1,460,858; July 3.
- Mackinnon, Frederic A., and J. Hampson, London, England. Coupler for railway and like vehicles. 1,460,974; July 3.
- MacMillen, William C., Rochester, Pa. Name plate for gasoline-dispensing apparatus. Des. 62,616; July 3.
- Malkin, John E., New York, N. Y. Stone-suspension device. 1,460,388; July 3.
- Malleable Iron Fittings Company, The. (See Pickop, George B., assignor.)
- Markey, Peter L., Chicago, Ill. Necktie holder. 1,460,725; July 3.
- Marriott, Robert H., Bremerton, Wash. Directional radio receiving system. 1,460,801; July 3.
- Marshall, William R., assignor to The Holyoke Company, Holyoke, Mass. Winding spool. 1,460,595; July 3.
- Martin, Miles L., Bainbridge, Ga. Trap. 1,460,596; July 3.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,460,726; July 3.
- Martin, William O. (See Steen, B. J., and Martin.)
- Mauclère, Pierre A. P. V., Paris, France. Liquid-dispensing station. 1,460,389; July 3.
- Maurer, Herman W., Cleveland, Ohio. Collapsible wall. 1,460,597; July 3.
- May, Frederick. (See Bangert, A., and May.)
- Mayer, Marie, deceased. (See Mayer, Mathew, assignor.)
- Mayer, Mathew, deceased, assignor of one-half to M. Mayer, deceased, Euclid, Ohio; I. R. Winsper, administrator. Stand or holder for Christmas trees, flowerpots, etc. 1,460,859; July 3.
- Melville, Alexander P., et al., executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
- Merrow, Charles E. A., Boston, Mass. Surface for pictorial display and the like. 1,460,553; July 3.
- Mertznanoff, André M., New York, N. Y., assignor to American Radiator Company, Chicago, Ill. Heating apparatus. 1,460,820; July 3.
- Metzger, Clarence D., Shelby, Ohio. Tractor clutch control. 1,460,598; July 3.
- Michoud, Arnold, Yverdon, assignor to Cibles Automatiques Michoud Société Anonyme, Neuchâtel, Switzerland. Device for resiliently supporting target disks and the like. 1,460,860; July 3.
- Miller, Frederick L., Des Moines, Iowa. Adjustable wing for windshields. 1,460,861; July 3.
- Miller, James F., Minden, La. Resilient wheel. 1,460,494; July 3.
- Miller, Jerome J., Chadron, Nebr. Railway ditcher. 1,460,762; July 3.
- Miller, John G., et al., executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
- Miller Lock Company. (See Benson, Thomas W., assignor.)
- Miller, William P., Brooklyn, and N. J. Karayanis, New York, N. Y. Cooking utensil. 1,460,975; July 3.
- Mills, James P., assignor to Continental Motors Corporation, Detroit, Mich. Expanding fly cutter. 1,460,427; July 3.
- Miner, William H. (See Haseltine, Stacy B., assignor.)
- Mock, Hugo, New York, N. Y. Faucet. 1,460,727; July 3.
- Molander, Hans P., Long Beach, Calif. Current motor. 1,460,495; July 3.
- Moody, Lewis F., Philadelphia, Pa. Pump and regulating the same. 1,460,428; July 3.
- Moore, Henry R. (See Oden, C., and Moore.)
- Moore, Max J., Newark, assignor to W. H. Collins, Summit, N. J. Device for carrying baskets and the like. 1,460,554; July 3.
- Monogram Lens Corporation. (See Arbuckle, Samuel F., assignor.)
- Moran, Patrick J., East Cleveland, Ohio. Blast furnace. 1,460,429; July 3.
- Morava, Wensel, Chicago, Ill. Cotton-boll-ripening apparatus. 1,460,555; July 3.
- Morgan Construction Company. (See Isley, George H., assignor.)
- Morris, Thomas J., Richmond, Va. Umbrella. 1,460,821; July 3.
- Morse, Fred, New Haven, Conn. Life belt. 1,460,430; July 3.
- Mosier, Frank M. (See Guttridge, L. A., and Mosler.)
- Moss, Charles, New York, N. Y. Antislipping attachment for vehicle wheels. 1,460,822; July 3.
- Muhlfield, John E., Scarsdale, and V. Z. Caracristi, Bronxville, assignors to Locomotive Pulverized Fuel Company, New York, N. Y. Burning pulverized fuel. 1,460,916; July 3.
- Müller, Eugen L., Munich, Germany. Arrangement of an oil pump. 1,460,431; July 3.
- Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
- Murray, George C., Chicago, Ill. Car roof. 1,460,496; July 3.
- Nadig, Robert F., and W. D. Somers, Cleveland, Ohio. Ironing-board construction. 1,460,432; July 3.
- Napier, Charles, Springfield, Mass., assignor to The Henry G. Thompson & Son Company, New Haven, Conn. Hack-saw machine of the continuous-band type. 1,461,004; July 3.
- Natoli, Giuseppe, Turin, Italy. Magneto. 1,460,763; July 3.
- National Tube Company. (See Saunders, Augustus M., assignor.)
- Neal, Walter V., Malden, Mass., assignor to The United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,460,433; July 3.
- Needham, Charles E. (See Gibson, W. A., and Needham.)
- Neff, Harry D., Cambridge, assignor to Re-Fillit Broom Company, Boston, Mass. Machine for making broom bundles or units. 1,461,015; July 3.
- Neldner, Edward E., Milwaukee, Wis. Internal-combustion engine. 1,460,728; July 3.
- Nelson & Le Moon. (See Le Moon, Axel R., assignor.)
- Newberry, George W., St. Louis, Mo. Paperhanger's shears holder. 1,460,434; July 3.
- New Haven Clock Co. (See Whitehead, Richard H., assignor.)
- Newman, Hugo, New York, N. Y. Loading means for film magazines for cameras. 1,460,435; July 3.
- Newnham, Eugene, St. Louis, Mo. Overload protective device for electric motors. 1,460,556; July 3.
- New York Air Brake Company. (See Bickel, Henry F., assignor.)
- Nicholson, Herbert, Chicago, Ill. Reinforced pneumatic tire casing. 1,460,599; July 3.
- Nichols, Troy R., Mexia, Tex. Combined indicator and gauge. 1,460,436; July 3.

- Nielsen, Harald, London, and B. Laing, Hatfield, England. Stuffing box for rotary driers, kilns, calcining furnaces, retorts, or the like. 1,460,764; July 3.
- Niles-Bement-Pond Company. (See Lace, Raymond, F., assignor.)
- Niles-Bement-Pond Company. (See Sears, Williard T., assignor.)
- Nobbs, George H., Watertown, Mass. Apparatus for cleaning air. 1,460,976; July 3.
- Noble, Oliver E., Manhattan, Kans. Drafting device. 1,460,497; July 3.
- Norris, Albert L., Jacksonville, Fla. Rotary brush. 1,460,765; July 3.
- Nu-Way Milker Company. (See Oden, C., and Moore, assignors.)
- Nystrom, Karl F., Montreal, Quebec, Canada. Railway-car-journal roller bearing. 1,460,802; July 3.
- Oden, Clyde, and H. R. Moore, assignors to Nu-Way Milker Company, Syracuse, N. Y. Teat cup. 1,460,977; July 3.
- Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
- Ogden, John E., Mountainville, Cornwall, N. Y. Reenforced-thread expansion shield. 1,460,557; July 3.
- Ohio Tractor Company, The. (See Clarke, Harry D., assignor.)
- Oil Fuel Engineering Corporation. (See Hoffman, William M., assignor.)
- O'Leary, William J., Montreal, Quebec, Canada. Solenoid. 1,460,390; July 3.
- Olden, Arthur O., National City, Calif. Dredger. 1,460,558; July 3.
- Olson, Samuel, Chicago, Ill. Package conveying and distributing device. 1,460,437; July 3.
- O'Neill, Bernard V., New York, N. Y. Music-roll container. 1,460,978; July 3.
- Opperman, Hugh F., Honolulu, Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Pineapple-shell-feeding device. 1,460,559; July 3.
- Osborn, Jesse C., assignor to J. W. Duntley, Chicago, Ill. Timer. 1,460,823; July 3.
- Paine, Charles L., Indianapolis, Ind. Means for heating the contents of vending machines. 1,460,979; July 3.
- Paine, George L., Company. (See Chabot, Joseph O., assignor.)
- Palmer, George L. W., Plainfield, N. J. Folding hood and screen. 1,460,600; July 3.
- Palmer, Harry A., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,460,601; July 3.
- Panther Rubber Manufacturing Company. (See Berenstein, Frank.)
- Parfumerie Rigaud. (See Kendall, William G.)
- Paris, Peter. (See Auletta, Alfred, assignor.)
- Park, George, Bayonne, N. J. Feeder for kernel-blanching machines. 1,460,560; July 3.
- Park, Nicholas W. (See Haussler, C. F., and Park.)
- Parke, Davis & Company. (See Wilkie, Warren, assignor.)
- Parker, John W., Barrington, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Micrometer caliper. 1,461,005; July 3.
- Parker, Raizemond D., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Secret-communication system. 1,460,438; July 3.
- Parsons, Frederick W., Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor valve. 1,460,824; July 3.
- Partlow, Howard W., Utica, N. Y. Gas governor for typesetting machines. 1,460,980; July 3.
- Payne, Walter B., assignor to Todd Protocograph Company, Inc., Rochester, N. Y. Check writer. 1,460,729; July 3.
- Penafor, Carmelo, Manila, P. I. Laboratory tabulator. 1,460,917; July 3.
- Pennsylvania Textile Mills Inc. (See Ericson, E., and Weiss, assignors.)
- Pennsylvania Textile Mills, Inc., The. (See Fauser, Gustave M.)
- Perry, George R., assignor to Western Envelope Corporation, Brooklyn, N. Y. Locking-tongue envelope. 1,461,016; July 3.
- Peters, Francis T., Decatur, Ill. Replaceable ladder rung. 1,460,680; July 3.
- Peters, Frank M., and W. H. Hungerford, assignors to Peters Machinery Company, Chicago, Ill. Flat-icing machine. 1,460,825; July 3.
- Peters Machinery Company. (See Peters, F. M., and Hungerford, assignors.)
- Peterman, Solomon, Nevada, Iowa. Egg-turning attachment for incubators. 1,460,602; July 3.
- Peterson, Clarence N., Polk, Nebr. Hog oiler. 1,460,561; July 3.
- Petroleum Heat and Power Company. (See Brown, Francis H., assignor.)
- Peyree, John, Salem, Oreg. Combined shock absorber and oiling attachment for vehicle springs. 1,460,498; July 3.
- Phelps, Byron, assignor of one-half to A. L. Brand, Seattle, Wash. Box tongs. 1,460,730; July 3.
- Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Interference preventer. 1,460,433; July 3.
- Pickop, George B., New Haven, assignor to The Malleable Iron Fittings Company, Branford, Conn. Tumbling barrel. 1,460,731; July 3.
- Pieretti, Giorgio, San Francisco, Calif. Sorting table. 1,460,862; July 3.
- Pilger, Herbert, Plainview, Nebr. Fly-chasing screen-door attachment. 1,460,826; July 3.
- Plumb, Fayette E., Philadelphia, Pa. Container for files. 1,460,499; July 3.
- Plymouth Photograph Parts Co. (See Trotter, George C., assignor.)
- Polk, William D., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Snowplow. 1,460,440; July 3.
- Pollak, Fritz. (See Ripper, Kurt, assignor.)
- Popper, Joseph, assignor of one-half to Baird-Daniels Company, Incorporated, New York, and one-half to R. H. Popper, Brooklyn, N. Y. Toy pistol. 1,460,441; July 3.
- Popper, Ruby H., et al. (See Popper, Joseph, assignor.)
- Portzer, Edward A., St. Marys, Pa. Antiskid chain. 1,460,803; July 3.
- Post, Claude L., Chicago, Ill. Envelope-feeding mechanism. 1,460,603; July 3.
- Potter, Clarence E., Baltimore, Md. Battery connector. 1,460,604; July 3.
- Pratt & Whitney Company. (See Thatcher, John J., assignor.)
- Pratt, William, Des Moines, Iowa. Beater device for hog-scraping machines. 1,460,863; July 3.
- Preston, Edward E., Leicester, England. Making warp knitted fabrics. 1,460,918; July 3.
- Priest, John W., Boise, Idaho. Animal hopple. 1,460,919; July 3.
- Prim, Thomas M., Ontario, Calif. Automatic railway switch. 1,460,981; July 3.
- Pulfrich, Carl, assignor to the Firm Carl Zeiss, Jena, Germany. Photometric device. 1,460,732; July 3.
- Purdy, Asa E., Boundbrook, N. J., assignor to Ruberoid Co. Prepared roofing element. 1,460,827; July 3.
- Pye, David W., et al., trustees. (See Ducas, Charles, assignor.)
- Rauch, Walter N., Greenville Borough, and C. E. Shurtleff, assignors to The Shenango Tire & Rubber Company, Greenville, Pa. Tire. Des. 62,620; July 3.
- Rall, Max, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Plant for the supervision of the circulation lubrication on power cars. 1,460,500; July 3.
- Ramondo, Edoardo, Turin, Italy. Spring wheel. 1,460,920; July 3.
- Ramsey, George. (See Hodge, Howard D., assignor.)
- Rantasa, Jakob, Vienna, Austria. Automobile sleigh attachment. 1,460,605; July 3.
- Read, Charles F., et al. (See Tobolla, Victor T., assignor.)
- Read, William L., et al. (See Tobolla, Victor T., assignor.)
- Records, Chester E., Anderson, Ind. Domestic water-service system. 1,460,932; July 3.
- Re-Flit Broom Company. (See Neff, Harry D., assignor.)
- Reynolds, James L. (See Campbell, J. R., and Reynolds.)
- Reynolds Spring Company. (See Palmer, Harry A., assignor.)
- Rice, Linden H., Cincinnati, Ohio. Shock absorber. 1,460,443; July 3.
- Rich, Malcolm N., Cleveland, Ohio. Recovering zirconium oxide. 1,460,766; July 3.
- Richardson, James M., Highland Park, Mich., assignor to Tullite Auto Bulb Company, New York, N. Y. Headlight. 1,460,511; July 3.
- Rigby, Thomas, assignor to Berger Bros. Company, Philadelphia, Pa. Gutter end piece. 1,460,733; July 3.
- Rigaud, Henri. (See Kendall, William G., assignor.)
- Ripper, Kurt, assignor to F. Pollak, Vienna, Austria. Manufacturing condensation products. 1,460,606; July 3.
- Ritter, Jakob, Basel, Switzerland. Light-projecting apparatus. 1,460,501; July 3.
- River Smelting & Refining Company. (See Utley, Howard H., assignor.)
- Robert Bosch Aktiengesellschaft. (See Rall, Max, assignor.)
- Robinson, Ernest H. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
- Robinson, John W., Macon, Ga. Mechanical rectifying system. 1,460,444; July 3.
- Robinson, Leon A., Peoria, Ill. Attachment for line-casting machines. 1,460,445; July 3.
- Rohm & Haas Company. (See Kohn, Siegfried, assignor.)
- Rohrbach, George T., Buffalo, N. Y. Refrigerator car. 1,460,512; July 3.
- Rohrs, Frederick W., Baltimore, Md. Motor fuel. 1,460,767; July 3.
- Rolls Royce Limited. (See Royce, Frederick H., assignor.)
- Root, L., New York, N. Y., assignor to Scovill Manufacturing Company. Powder box. 1,460,864; July 3.
- Ross, David E., assignor to Ross Gear & Tool Company, La Fayette, Ind. Antirattling bushing. 1,460,513; July 3.
- Ross Gear & Tool Company. (See Ross, David E., assignor.)
- Routson, Howard W., Oakland, Calif. Cleaning stick. 1,460,607; July 3.

- Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh bag. Des. 62,621; July 3.
- Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh bag. Des. 62,622; July 3.
- Rowan, John C., South Atlanta, assignor of one-half to W. Dobbs, Atlanta, Ga. Spark plug. 1,460,983; July 3.
- Royal Nut Company. (See Zaloom, Salim F., assignor.)
- Royal Typewriter Company. (See Hess, Edward B., assignor.)
- Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Mounting and driving of gear wheels. 1,460,768; July 3.
- Ruberoid Company, The. (See Abraham, Herbert, assignor.)
- Ruberoid Co. (See Purdy, Asa R., assignor.)
- Rudesill, Thomas J., assignor to Scanlon-Morris Co., Madison, Wis. Chart holder. 1,460,502; July 3.
- Ruf, William H., Roselle Park, N. J. Wireless detector. 1,460,734; July 3.
- Rummel, George F., et al. (See Harter, Noah S., assignor.)
- Russell Co., The. (See Kinsley, William S., assignor.)
- Ryan, Nicholas J., Tuckahoe, N. Y. Indicator for car seats. 1,460,984; July 3.
- S. S. P. Manufacturing Co. (See Werbeck, Walter G., assignor.)
- Safepack Mills. (See Schenkelberger, Albert F., assignor.)
- Sajesk, Anthony, Natick, Pa. Automobile direction indicator. 1,460,921; July 3.
- Sarlandt, Oscar J., San Francisco, Calif. Planer-tool holder. 1,460,681; July 3.
- Satenstein, Sidney, New York, N. Y., assignor to Alchemic Gold Company, Inc. Stamping bookbindings and the like. 1,460,391; July 3.
- Satzger, Edward, sr., Cincinnati, Ohio. Door-core-assembling device. 1,460,503; July 3.
- Sauble, Peter P. (See Caltrider, S. P., and Sauble.)
- Saunders, Augustus M., McKeesport, assignor to National Tube Company, Pittsburgh, Pa. Pipe. 1,460,769; July 3.
- Saunders, Charles A. L., Elgin, Ill. Shoe liner. 1,460,608; July 3.
- Saunders, Frank A., Dubuque, Iowa. Valve-actuating means. 1,460,922; July 3.
- Scanlon-Morris Co. (See Rudesill, Thomas J., assignor.)
- Schaefer, Otto C., Hoboken, N. J. Antiskid device. 1,460,504; July 3.
- Schäfer, Josef, Dortmund, Germany. Sealing vertical coking chambers. 1,460,828; July 3.
- Schenkelberger, Albert F., Quincy, assignor to Safepack Mills, Boston, Mass. Multiply reinforced paper. 1,460,392; July 3.
- Schleicher, John C., Mount Vernon, N. Y. Building slab. 1,460,682; July 3.
- Schmitz, Fred A. (See McPike, H. C., and Schmitz.)
- Schneider & Cie. (See Schneider, Eugène, assignor.)
- Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Plastic obturator for gun breeches. 1,460,683; July 3.
- Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Wheeled gun carriage having divergible trails. 1,460,505; July 3.
- Schneider, Joseph, Cincinnati, Ohio. Tire-chain-mounting device. 1,460,506; July 3.
- Schnuck, Carl F. (See Bowen, D. B., and Schnuck.)
- Schrader, Lloyd F., assignor to Foundation Oven Corporation, New York, N. Y. Reversing mechanism for by-product coke ovens. 1,460,829; July 3.
- Schröder, Hans W. C. (See Dräger, A. B., Schröder, and Kunzmann.)
- Schultz, Ernest, East Melbourne, Victoria, Australia. Resilient wheel. 1,460,446; July 3.
- Schwartz, Jacob G., Rockingham Township, Scott County, Iowa. Blotting inkstand. 1,460,507; July 3.
- Scola, Luigi, Newcastle, Wash. Door lock. 1,460,609; July 3.
- Scovill Manufacturing Company. (See Hyde, Burdon P., assignor.)
- Scovill Manufacturing Company. (See Root, Le Roy, assignor.)
- Seaman, David J., Saginaw, Mich. Display fixture. 1,460,684; July 3.
- Seaman, David J., Saginaw, Mich. Garment rack. 1,460,685; July 3.
- Searle, Robert M., Rochester, N. Y. Reading appliance. 1,460,923; July 3.
- Searle, Robert M., Rochester, N. Y. Reading appliance. 1,460,924; July 3.
- Searle, Robert M., Rochester, N. Y. Supporting means for gas-retort spouts. 1,460,925; July 3.
- Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Axle-milling machine. 1,460,393; July 3.
- Sehree, Charles H., and G. C. Berlin, Caldwell, Idaho. Map and record holder. 1,460,610; July 3.
- Seggerman, Richard, Fairbury, Nebr. Can-sterilizing apparatus. 1,460,514; July 3.
- Self Mounting Carrier Company. (See Lawrence, Frederick K., assignor.)
- Selker, Harry, assignor to The Buckeye Brass and Manufacturing Company, Cleveland, Ohio. Bearing and making same. 1,460,515; July 3.
- Shampay, Pascal J., Chicago, Ill. Cleaning machine. 1,460,447; July 3.
- Shampay, Pascal J., Chicago, Ill. Rug-hanging machine. 1,460,448; July 3.
- Shapiro, Joseph, Baltimore, Md. Cone-making machine. 1,460,611; July 3.
- Sharp, Clarence E., Gibbstown, N. J. Color-chip-pasting machine. 1,460,865; July 3.
- Shaw, Al B., Medford, assignor to Shaw Specialty Co., Inc., Boston, Mass. Valve stem for pneumatic tires. 1,460,804; July 3.
- Shaw Specialty Co. (See Shaw, Al B., assignor.)
- Sheen, Milton R., Philadelphia, Pa. Building construction. 1,460,516; July 3.
- Shelor, Frederick L. (See Gillespie, S., and Shelor.)
- Shenango Tire & Rubber Company. (See Raach, W. N., and Shurtliffe, assignors.)
- Shurtliffe, Clinton E. (See Raach, W. N., and Shurtliffe.)
- Sickman, Davy V., Denver, Colo. Hydraulic expanding bar. 1,460,508; July 3.
- Sieber, Gottwalt, Plauen, Germany. Embroidery machine. 1,460,612; July 3.
- Sill, Caroline A., Oklahoma, Okla. Water-supply system for dwellings and the like. 1,460,613; July 3.
- Simmen, Paul J., Buffalo, N. Y. Automatic train control. 1,460,449; July 3.
- Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
- Singer Manufacturing Company, The. (See Drake, John J., assignor.)
- Skinner, Zebulon S. (See Holmes, Carlton W., assignor.)
- Slager, John C. (See Boomerishine, Adam, assignor.)
- Slonaker, G. N. (See Gutridge, L. A., and Mosier, assignors.)
- Small, Lewis F., Braintree, assignor to C. C. Blake, Incorporated, Boston, Mass. Last. 1,460,442; July 3.
- Small, Lewis F., Braintree, assignor to C. C. Blake, Incorporated, Boston, Mass. Last. 1,460,450; July 3.
- Smith, Charles F., and W. H., Brooklyn, N. Y. Electric condenser. Re15,642; July 3.
- Smith, Charlie J., jr., Henderson, N. C. Automobile door opener. 1,460,614; July 3.
- Smith, Claude E. (See Dollison, J. M., and Smith.)
- Smith, Launcelot E., South Shields, C. Zulver, London, and H. A. Thompson, North Shields, England. Furnace. 1,460,985; July 3.
- Smith, Michael J., Tacoma, Wash. Concrete-pipe machine. 1,460,451; July 3.
- Smith, Michael J., Morristown, N. J. Plumbing connection. 1,460,986; July 3.
- Smith, William H. (See Smith, Charles F. and W. H.)
- Snamiska, Henry F., Bremerton, Wash. Precious-metals concentrator. 1,460,452; July 3.
- Société Lyonnaise de Compteurs d'Eau. (See Arnaud, Benjamin A., assignor.)
- Société Anonyme des Matières Colorantes & Produits Chimiques de Saint-Denis. (See Wahl, A., and Lantz, assignors.)
- Somers, William D. (See Nadiz, R. F., and Somers.)
- Soule, George C. (See Woodbury, J. B., and Soule.)
- Spartan Needle Company. (See Taft, Sidney E., assignor.)
- Sperry, Elmer A. (See Davis, Arthur P., assignor.)
- St. John, Spencer H., Long Beach, Calif. Well-pipe screen. 1,460,735; July 3.
- Stair, Daniel E., Elkhart, Ind. Reclaiming bucket. 1,460,615; July 3.
- Stanford, Will E., Calexico, Calif. Vehicle spring. 1,460,987; July 3.
- Starbuck, Ernest, Peoria, Ill. Figure wheeled toy. 1,460,616; July 3.
- Steen, Buford J., and W. O. Martin, Christine, Tex. Stump remover. 1,460,617; July 3.
- Stein, Myer J., Chicago, Ill. Cushion wheel. 1,460,453; July 3.
- Stevens, Hayes C., Pittsburgh, Pa. Typewriter attachment. 1,460,770; July 3.
- Strens, William C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electromagnet. 1,460,517; July 3.
- Stewart-Warner Speedometer Corporation. (See Whittington, Frederick G., assignor.)
- Stimmel, Frederick C., Chattanooga, Tenn., assignor to The Casey-Hedges Co. Hand stoker. 1,460,618; July 3.
- Stone, William E., Oklahoma, Okla. Dirigible light for automobiles. 1,460,866; July 3.
- Stoner, George H., East Boston, Mass. Shock absorber. 1,460,771; July 3.
- Stover, Harmon E. (See Sykes, J. P., and Stover.)
- Stratton, Harry F., Cleveland Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Compensator for induction motors. 1,460,926; July 3.
- Striefler, Frank. (See Toth, L., Konyves, and Striefler.)
- Stringe, Alfred H., assignor to Commercial Furniture Company, Chicago, Ill. Desk. Des. 62,623; July 3.
- Stringe, Alfred H., assignor to Commercial Furniture Company, Chicago, Ill. Desk. Des. 62,624; July 3.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Abdominal support. M. A. Keeler. 1,480,421; July 3.
Adhesive. O. Johnson. 1,460,757; July 3.
Adjustable brace. W. Lemoigne. 1,460,593; July 3.
Adjustable bracket. A. W. Bendlin. 1,460,697; July 3.
Adjustable seat. W. C. Lister. 1,460,721; July 3.
Advertising device. H. W. Sumner. 1,460,619; July 3.
Aerial propelling machine. S. V. Cortés. 1,460,948; July 3.
Agitator. E. S. Leinan. 1,460,493; July 3.
Air, Apparatus for cleaning. G. H. Nobbs. 1,460,976; July 3.
Air-inlet device. J. H. Loggins. 1,460,550; July 3.
Air separator. W. A. Gibson and C. E. Needham; 1,460,960; July 3.
Airplanes, etc., Precision instrument for. I. A. Weaver. 1,460,627; July 3.
Alarm: See—
Burglar alarm.
Ammunition, Rim-fire. H. D. Hodge. 1,460,013; July 3.
Anatomical support. W. W. Froeschle. 1,460,957; July 3.
Animal hopple. J. W. Priest. 1,460,919; July 3.
Annealing box. I. F. Lehman. 1,460,855; July 3.
Antirattler. T. W. Titus. 1,460,456; July 3.
Antiskid chain. E. A. Portzer. 1,460,803; July 3.
Antiskid device. O. C. Schaefer. 1,460,504; July 3.
Automobile alarm system. H. C. Hay. 1,460,377; July 3.
Automobile and similar cases, Boot and liner for. J. L. D. Blevans. 1,460,659; July 3.
Automobile brake. N. C. Divilbiss. 1,460,892-3; July 3.
Automobile brake. J. J. Kohout and T. R. Gunson. 1,460,911; July 3.
Automobile direction indicator. A. Sajeski. 1,460,921; July 3.
Automobile door opener. C. J. Smith, jr. 1,460,614; July 3.
Automobile inclosure. G. E. Bishop. 1,460,529; July 3.
Automobile radiator. N. and B. Kramer. 1,460,852; July 3.
Automobile signal. L. H. Charling. 1,460,572; July 3.
Automobile signal. J. F. W. Diegel. 1,460,709; July 3.
Automobile signal. J. E. Hill. 1,460,904; July 3.
Automobile signal. R. Taubert. 1,460,620; July 3.
Automobile signal. J. R. Villard. 1,460,625; July 3.
Automobile sleigh attachment. J. Rantasä. 1,460,605; July 3.
Automobile spring-supporting mechanism. A. J. Barron. 1,460,782; July 3.
Automobile windshields, Visor frame for. W. C. Weiske and H. A. Dorman. 1,460,739; July 3.
Automobiles, Dirigible light for. W. E. Stone. 1,460,866; July 3.
Axe. S. M. Hall. 1,460,962; July 3.
Axe-milling machine. W. T. Sears. 1,460,393; July 3.
Bait or lure, Fish. L. B. Huntington. 1,460,905; July 3.
Bank, Book-form savings. B. F. Greer. 1,460,716; July 3.
Bank safety device. C. A. Honsinger. 1,460,584; July 3.
Bar: See—
Hydraulic expanding bar.
Barrel-making machine. J. L. Walker. 1,460,459; July 3.
Barrel, Tumbling. G. B. Pickop. 1,460,731; July 3.
Barrels, Machine for making. J. L. Walker. 1,460,460; July 3.
Basket-supporting means. J. E. McGee. 1,460,760; July 3.
Baskets and the like, Device for carrying. M. J. Moore. 1,460,554; July 3.
Baster for cooking, Automatic. H. I. Harvey. 1,460,486; July 3.
Batteries, Terminal for drv. H. M. Koretzky. 1,460,969; July 3.
Battery connector. C. E. Potter. 1,460,604; July 3.
Battery terminal. L. A. Doughty and F. S. Carlile. 1,460,895; July 3.
Beam support. G. Adsit. 1,460,468; July 3.
Bearing and making same. H. Selker. 1,460,515; July 3.
Bearing housing, Sheave. J. H. Foote. 1,460,541; July 3.
Bearings, Grease retainer for journal. G. A. Boyer. 1,460,939; July 3.
Bearings, Key adjuster for connecting-rod. V. York. 1,460,877; July 3.
Belt, Life. F. Morse. 1,460,430; July 3.
Bicycles, Explosive-engine attachment for. E. S. Caleno. 1,460,811; July 3.
Binder, Loose-leaf. H. A. Dudley. 1,460,663; July 3.
Binder, Loose-leaf. H. A. Dudley. 1,460,712; July 3.
Blanching machines, Feeder for kernel. G. Park. 1,460,560; July 3.
Blast furnace. P. J. Moran. 1,460,429; July 3.
Blasting, Apparatus for use in. R. D. Harris. 1,461,012; July 3.
Bloomers, Reenforced. S. Gelarie. 1,460,666; July 3.
Boiler-tube cleaner. J. H. Goodfellow. 1,460,669; July 3.
Book covers, Machine for making. T. E. Heeter. 1,460,581; July 3.
Bookbindings and the like, Stamping. S. Satenstein. 1,460,391; July 3.
Bookrack. L. D. Cadenhead. 1,460,642; July 3.
Box: See—
Annealing box. Sign box.
Powder box. Vanity box.
Box-making machine. J. Albrecht. 1,460,693; July 3.
Boxes, Machine for use in making. D. A. Landers. 1,461,014; July 3.
Boxes, Oil retainer for journal. A. Boomershine. 1,460,809; July 3.
Brace: See—
Adjustable brace.
Bracket: See—
Adjustable bracket.
Brake: See—
Automobile brake.
Brake-beam fulcrum and making same, Forged. E. R. Viberg. 1,460,773; July 3.
Bread, Machine for preparing buttered. L. F. J. Diken. 1,460,371; July 3.
Brick machine. J. R. Tackett. 1,460,455; July 3.
Broom bundles or units, Machine for making. H. D. Neff. 1,461,015; July 3.
Brush. A. Hokanson. 1,460,850; July 3.
Brush, Rotary. S. C. Bougher. 1,460,883; July 3.
Brush, Rotary. A. L. Norris. 1,460,765; July 3.
Brush, Timer. J. F. Beavan. 1,460,937; July 3.
Bucket, Reclaiming. D. E. Stair. 1,460,615; July 3.
Buckle. E. N. Humphrey. 1,460,381; July 3.
Buckle. E. N. Humphrey. 1,460,756; July 3.
Buckle, Belt. H. L. Tooker. 1,460,688; July 3.
Building construction. M. E. Sheen. 1,460,516; July 3.
Building, Knockdown concrete. W. C. Broughton. 1,460,941; July 3.
Building slab. J. C. Schleicher. 1,460,682; July 3.
Burglar alarm. J. W. Longworth. 1,460,818; July 3.
Burner: See—
Fuel-oil burner. Oil burner.
Burner. R. W. Wiederwax. 1,460,631; July 3.
Burners, Inductor for gas. C. F. Haussler and N. W. Park. 1,460,903; July 3.
Bushing, Antirattling. D. E. Ross. 1,460,513; July 3.
Button. J. P. Bowles. 1,460,840; July 3.
Button, Separable. J. O. Chabot. 1,461,009; July 3.
Cam. R. F. Hall. 1,460,651; July 3.
Camera, Enlarging. E. C. Fritts. 1,460,714; July 3.
Camera support. R. Kroedel. 1,460,816; July 3.
Cameras, Loading means for film magazines for. H. Newman. 1,460,435; July 3.
Can punch and seal. A. Johnson. 1,460,418; July 3.
Cans and the like, Device for soldering ice. W. W. Langdon. 1,460,549; July 3.
Cans, etc., Can-cap-seaming apparatus for varnish. A. M. Augensen. 1,460,398; July 3.
Cans, Sanitary and temperature insulating jacket for milk. W. A. West. 1,460,461; July 3.
Candy confection, Hard. A. Hochstraser. Des. 62,611; July 3.
Capsule-counting machine. W. Wilkie. 1,460,778; July 3.
Car end, Corrugated-metal. W. E. Van Dorn. 1,460,738; July 3.
Car-journal roller bearing, Railway. K. F. Nystrom. 1,460,802; July 3.
Car, Mine. F. S. Barks. 1,460,696; July 3.
Car, Refrigerating. G. T. Rohrbach. 1,460,512; July 3.
Car replacer. F. D. McGinley. 1,460,973; July 3.
Car roof. C. D. Bonsall. 1,460,568; July 3.
Car roof. G. C. Murray. 1,460,496; July 3.
Car seats, Indicator for. N. J. Ryan. 1,460,984; July 3.
Car skid, Mine. T. L. Campbell. 1,460,885; July 3.

- Car, Touring and camping. R. A. Wilson. 1,460,464; July 3.
- Carrier: *See*—
Luggage carrier.
- Cars, Plant for the supervision of the circulation lubrication on power. M. Rail. 1,460,500; July 3.
- Cars, Timer elevator for Ford. V. W. Thomas. 1,460,806; July 3.
- Case: *See*—
Vanity case.
- Case. G. Burroughs. 1,460,942; July 3.
- Casing cutter. A. Dix. 1,460,894; July 3.
- Cellulose-ether composition. W. R. Webb. 1,460,690; July 3.
- Cement blocks, Mold for. J. Bondi. 1,460,403; July 3.
- Cementing shoe, Centering. W. B. Wigle and W. Hughes. 1,460,632; July 3.
- Cementitious compositions suitable for flooring, paving, and so forth. C. F. Curtis. 1,460,643; July 3.
- Chart holder. T. J. Rudesill. 1,460,502; July 3.
- Check writer. W. B. Payne. 1,460,729; July 3.
- Cigar band, Detachable. E. L. Broome. 1,460,641; July 3.
- Clamp: *See*—
Rope clamp. Tire clamp.
Strain clamp.
- Clasp: *See*—
Pin clasp.
- Cleaner: *See*—
Boiler-tube cleaner.
- Cleaning machine. P. J. Shampay. 1,460,447; July 3.
- Cleaning stick. H. W. Routson. 1,460,607; July 3.
- Clock case. R. H. Whitehead. Des. 62,629; July 3.
- Clutch. C. E. Swenson. 1,460,454; July 3.
- Coal, shale, etc., Apparatus for devolatilizing. C. M. Garland. 1,460,414; July 3.
- Coils, Device for making armature. G. W. Townsend. 1,460,737; July 3.
- Coin-bank register. J. B. Ingalls. 1,460,908; July 3.
- Coin-changing mechanism. D. Allen. 1,460,878; July 3.
- Coking the discharged material from low-temperature distillation apparatus, Process and apparatus for. E. Barrs. 1,460,638; July 3.
- Combination lock. S. J. Zingman. 1,460,932; July 3.
- Combustion, Apparatus for regulating. F. H. Brown. 1,460,366; July 3.
- Communication system, Secret-. R. D. Parker. 1,460,438; July 3.
- Compressor, expander, motor, and pump, Rotary. W. J. Hawkins. 1,460,487; July 3.
- Computing machine. L. L. Ansart. 1,460,469; July 3.
- Concrete mixer. B. C. Carey. 1,460,571; July 3.
- Concrete-pipe machine. M. J. Smith. 1,460,451; July 3.
- Condensation products, Manufacturing. K. Ripper. 1,460,606; July 3.
- Condensation trap. H. C. Ellis. 1,460,410; July 3.
- Condenser, Electric. C. F. and W. H. Smith. Re15,642; July 3.
- Cone-making machine. J. Shapiro. 1,460,611; July 3.
- Control mechanism. J. Buckley. 1,460,785; July 3.
- Conveyer. S. L. Eustis, jr. 1,460,952; July 3.
- Conveying and screening apparatus. E. E. Landahl. 1,460,491; July 3.
- Conveying apparatus. B. V. Edwards. 1,460,539; July 3.
- Coking chambers, Sealing vertical. J. Schäfer. 1,460,828; July 3.
- Cooking utensil. W. P. Miller and N. J. Karayanis. 1,460,975; July 3.
- Corking machine. S. Gillespie and F. L. Shelor. 1,460,650; July 3.
- Cotton-boll ripening apparatus. W. Morava. 1,460,555; July 3.
- Couch rolls, Apparatus for conditioning. H. Boyle. 1,460,365; July 3.
- Counterpoise. B. P. Joyce. 1,460,419-20; July 3.
- Coupling: *See*—
Flexible coupling. Trailer coupling.
Stovepipe coupling.
- Coupling head and making same. V. T. Tobolla. 1,460,623; July 3.
- Crank pin, Adjustable. R. E. Winters. 1,460,692; July 3.
- Crank shafts and forming crank shafts, Means and dies for drop-forging. H. H. Keeperts. 1,460,720; July 3.
- Crates, Attachment for fruit. R. W. Hicks. 1,460,797; July 3.
- Crib and gocart, Combined infant. J. A. Vierling. 1,460,929; July 3.
- Crowning machine. F. J. Fallada. 1,460,577; July 3.
- Cup: *See*—
Teat cup. Vacuum cup.
- Cup. J. H. Venon. Des. 62,627; July 3.
- Current cut-out. C. F. Glichrist. 1,460,961; July 3.
- Current motor. H. P. Molander. 1,460,495; July 3.
- Curtain and drapery support. W. J. Donovan. 1,460,575; July 3.
- Curtain guide. F. McLesky and W. P. W. Johnson. 1,460,857; July 3.
- Cushion wheel. M. J. Stein. 1,460,453; July 3.
- Cutter: *See*—
Casing cutter. Fly cutter.
- Cutting machines, Safety means for. G. H. Wood and F. L. Capen. 1,460,465; July 3.
- Desk. A. H. Stringe. Des. 62,623-4; July 3.
- Desks, seats, and chairs, Floor fastening for. L. H. McKee. 1,460,425; July 3.
- Diazodinitrophenol, Manufacturing. W. M. Dehn. 1,460,708; July 3.
- Diestock. W. V. Bulman. 1,460,786; July 3.
- Dish. J. H. Venon. Des. 62,626; July 3.
- Dishwashing apparatus. C. B. Belknap. 1,460,400; July 3.
- Display and the like, Surface for pictorial. C. E. A. Merrow. 1,460,553; July 3.
- Display fixture. D. J. Seaman. 1,460,684; July 3.
- Direction indicator. A. Butter. 1,460,701; July 3.
- Door. C. C. Tomkinson. 1,460,687; July 3.
- Door attachment, Fly-chasing screen. H. Pilger. 1,460,826; July 3.
- Door-core-assembling device. E. Satzger, sr. 1,460,503; July 3.
- Door engine control. L. P. Hynes. 1,460,382; July 3.
- Door fastener, Sliding. H. M. Van Alstyne. 1,460,991; July 3.
- Door lock. L. Scola. 1,460,609; July 3.
- Draft means. R. T. Ashley. 1,460,564; July 3.
- Draft regulator. C. H. Abbott. 1,460,634; July 3.
- Drafting device. O. E. Noble. 1,460,497; July 3.
- Drafting instrument. C. F. Golden. 1,460,482; July 3.
- Dredger. A. O. Olden. 1,460,558; July 3.
- Drier: *See*—
Film drier.
- Driers, kilns, calcining furnaces, retorts, or the like, Stuffing box for rotary. H. Nielsen and B. Laing. 1,460,764; July 3.
- Drum controller. B. Hunter. 1,460,546; July 3.
- Dumb-waiter lock. S. J. Hoff. 1,460,417; July 3.
- Dyeing skins, hairs, and the like. O. Kaltwasser and L. Kirberger. 1,460,758; July 3.
- Electric circuits, Device for replacing base wire and for indicating blown-out. P. Davies. 1,460,478; July 3.
- Electric cut-out. S. M. and J. H. Carmean. 1,460,943; July 3.
- Electric heater. L. P. Hynes. 1,460,815; July 3.
- Electrical-cable joints, Insulating cap for. F. M. van Gelderen. 1,460,624; July 3.
- Electrical conductors, Distributing-box connection for. H. H. Berry. 1,460,698; July 3.
- Electrodes, Feeding and rotating means for. A. P. Davis. 1,460,793; July 3.
- Electromagnet. W. C. Stevens. 1,460,517; July 3.
- Elevator: *See*—
Well elevator.
- Elevator dump. I. S. Alton. 1,460,635; July 3.
- Elevators, Guide shoe for. R. Brenne. 1,460,404; July 3.
- Elevators, System of control for electric. P. H. Brodesser. 1,460,569; July 3.
- Embroidery machine. G. Sieber. 1,460,612; July 3.
- Enamels, Continuously melting vitreous. F. D. Cook. 1,460,888; July 3.
- Engine: *See*—
Internal-combustion engine.
- Engine charge-forming device, Combustion-. J. Good. 1,460,667; July 3.
- Engines, Priming device for internal-combustion. C. E. Chapman. 1,460,886; July 3.
- Engines, System of control for the carbureting and igniting devices of internal-combustion. W. G. Will. 1,460,462; July 3.
- Engines, Vaporizer and mixer for internal-combustion. J. Askins. 1,460,470; July 3.
- Envelope-feeding mechanism. C. L. Post. 1,460,603; July 3.
- Envelope, Locking-tongue. G. R. Perry. 1,461,016; July 3.
- Enzymic substance and making the same. J. Takamine and J. Takamine, jr. 1,460,736; July 3.
- Ethylene, Production of. P. E. Haynes and G. O. Curme, jr. 1,460,545; July 3.
- Excavating machine. W. Hebsacker. 1,460,671; July 3.
- Excavating machines or the like, Control mechanism of. H. H. Harris. 1,460,813; July 3.
- Extension table. J. Hlozek. 1,460,754; July 3.
- Eyelet, Lace. J. T. Harper. 1,460,899; July 3.
- Fabrics, Beetling and treatment of. R. W. R. Mackenzie, E. Robinson, M. Fort, and J. D. Lumsden. 1,460,858; July 3.
- Faucet. H. Mock. 1,460,727; July 3.
- Feeder, Calif. J. L. Crook, jr. 1,460,890; July 3.
- Feederpost attachment. P. T. Bailey. 1,460,936; July 3.
- Piles, Container for. F. R. Plumb. 1,460,499; July 3.
- Film drier. J. W. and W. W. Hicks. 1,460,373; July 3.
- Film-spool support. L. Lisson. 1,460,971; July 3.
- Filter, Gasoline. W. C. Strowbridge. 1,460,867; July 3.
- Finger ring. C. W. Holmes. 1,460,798; July 3.
- Fire fan. R. C. Sturgis. Des. 62,625; July 3.
- Firearm, Self-loading. F. and G. Walther. 1,460,807; July 3.
- Fishing reel. J. T. Welch. 1,460,994; July 3.
- Fishing tool. V. W. Swoveland. 1,461,006; July 3.
- Flexible coupling. J. W. Thropp. 1,460,869; July 3.
- Flexible joint. B. Liebowitz. 1,460,817; July 3.
- Fluid-fuel burner. J. A. Bishop. 1,460,473; July 3.

- Fluid-fuel burners, Mixing chamber for. G. A. De Guire. 1,460,369; July 3.
- Fluid gauge. W. G. Werbeck. 1,460,873; July 3.
- Fly cutter, Expanding. J. P. Mills. 1,460,427; July 3.
- Folding machines, Switch attachment for. L. A. Gutridge and F. M. Mosier. 1,460,544; July 3.
- Foot rest. J. W. De Shields. Des. 62,604; July 3.
- Forceps, Hemostatic. J. F. Callahan. 1,460,531; July 3.
- Forging machine. F. A. Halleck. 1,461,011; July 3.
- Fountain: *See—*
- Poultry fountain.
- Fowl from escaping, Means for preventing. H. Dornseif. 1,460,748; July 3.
- Frame: *See—*
- Tubular frame.
- Fruit and producing same, Artificial. J. H. Emery. Re15,641; July 3.
- Fruit picker. R. A. Howe and J. F. Irish. 1,460,755; July 3.
- Frying pan. H. C. Hughes. 1,460,380; July 3.
- Fuel, Burning pulverized. J. E. Muhlfeld and V. Z. Caracristi. 1,460,916; July 3.
- Fuel chute. J. L. Falk. 1,460,713; July 3.
- Fuel, Motor. F. W. Rohrs. 1,460,767; July 3.
- Fuel-oil burner. W. M. Hoffman. 1,460,719; July 3.
- Fuel-saving device. J. Hyvert. 1,460,964; July 3.
- Furnace: *See—*
- Blast furnace.
- Furnace. L. E. Smith, C. Zulver, and H. A. Thompson. 1,460,985; July 3.
- Furnaces, Burner for. H. F. Clark. 1,460,947; July 3.
- Furnaces, Rabbling arm for roasting. D. Baird. 1,460,658; July 3.
- Furniture, Combination. C. E. Kuhn. 1,460,591; July 3.
- Fuse plug, Electric. W. Ile. 1,460,675; July 3.
- Game apparatus. N. S. Harter. 1,460,670; July 3.
- Game, Appliance for playing an improved card. A. E. Harvey. 1,460,485; July 3.
- Game device. F. Johnson. 1,460,966; July 3.
- Game-piece support. R. C. Cunningham. 1,460,791; July 3.
- Garment pocket. G. W. Walker. 1,460,993; July 3.
- Garment rack. D. J. Seaman. 1,460,685; July 3.
- Gas breaker. J. J. Freeman. 1,460,896; July 3.
- Gas-retort spouts, Supporting means for. R. M. Scarle. 1,460,925; July 3.
- Gas scrubber. H. G. Johnston. 1,460,490; July 3.
- Gases, System for cooling flue. H. H. Utley. 1,460,872; July 3.
- Gasoline-dispensing apparatus, Name plate for. W. C. MacMillen. Des. 62,616; July 3.
- Gauge: *See—*
- Fluid gauge.
- Gauge. S. E. Allwright. 1,460,563; July 3.
- Gear. F. Gahlert, Jr. 1,460,958; July 3.
- Gear, Drag-spindle. M. Maag. 1,460,552; July 3.
- Gears by new method, Apparatus for rolling. H. N. Anderson. 1,460,528; July 3.
- Gearing, Flexible. M. de Connick. 1,460,661; July 3.
- Glands, Recovery of the active principle of the suprarenal. K. Wooyenaka. 1,460,832; July 3.
- Glass, Method of and apparatus for drawing sheet. S. B. Henshaw. 1,460,582; July 3.
- Glass-mold-burnishing process and apparatus. S. F. Arbuckle. 1,460,836; July 3.
- Glass, Process of and apparatus for making sheet. W. E. Heal. 1,460,488; July 3.
- Golf-stroke counter. H. K. Brooks. 1,460,842; July 3.
- Governor. H. H. Ide. 1,460,907; July 3.
- Grain separator. O. W. Williams. 1,460,463; July 3.
- Grapple, Pipe. J. G. Zehrer. 1,460,397; July 3.
- Grinding machine. U. Anderson. 1,460,934; July 3.
- Grinding machine. J. T. McGrath. 1,460,724; July 3.
- Gun breeches, Plastic obturator for. E. Schneider. 1,460,683; July 3.
- Gun carriage having divergible trails, Wheeled. E. Schneider. 1,460,505; July 3.
- Guns, Cartridge-feeding mechanism for machine. M. L. Johnston. 1,460,800; July 3.
- Guns, Operating slide and handle for machine. W. T. Gorton. 1,460,415; July 3.
- Gutter end piece. T. Rigby. 1,460,733; July 3.
- Hair-waving machine. J. M. Higgins. 1,460,653; July 3.
- Hammer, Riveting. P. H. Leckinger. 1,460,424; July 3.
- Harrows, Shoe for disk. C. M. Jacobs. 1,460,489; July 3.
- Headlight. J. M. Richardson. 1,460,511; July 3.
- Headlight construction. S. F. Arbuckle. 1,460,834; July 3.
- Headlight, Dirigible. P. J. Elledge. 1,460,540; July 3.
- Headlights of automobiles, Apparatus for automatically controlling the. J. L. and J. T. Iles. 1,460,965; July 3.
- Heater: *See—*
- Electric heater.
- Heating apparatus. A. M. Mertzanoff. 1,460,820; July 3.
- Heel, Shoe. F. Berenstein. Des. 62,599; July 3.
- Helical teeth, more particularly for bevel gears, Method and machine for planing. H. Brandenberger. 1,460,640; July 3.
- Hog oiler. C. N. Peterson. 1,460,561; July 3.
- Hog-ringing device. W. W. Lamson. 1,460,970; July 3.
- Hog-scraping machines, Beater device for. W. Pratt. 1,460,863; July 3.
- Holder. E. H. and R. H. Binns. 1,460,743; July 3.
- Hood and screen, Folding. G. L. W. Palmer. 1,460,600; July 3.
- Hook: *See—*
- Logging bull hook.
- Hose reel. F. L. Greenlaw. 1,460,897; July 3.
- Hydraulic expanding bar. D. V. Sickman. 1,460,508; July 3.
- Ice-cream dipper. W. G. Lyman. 1,460,551; July 3.
- Iceing machine, Flat. F. M. Peters and W. H. Hungerford. 1,460,825; July 3.
- Ice manufacture. R. Ellis. 1,460,646; July 3.
- Images, Production of complemental. D. F. Comstock. 1,460,706; July 3.
- Incubators, Egg-turning attachment for. S. Peterman. 1,460,602; July 3.
- Index tab, Card. H. C. McPike and F. A. Schmitz. 1,460,761; July 3.
- Indicator: *See—*
- Automobile direction indicator.
- Street indicator.
- Indicator and gauge, Combined. T. R. Nichols. 1,460,436; July 3.
- Inkstand, Blotting. J. G. Schwartz. 1,460,507; July 3.
- Interference preventer. G. W. Pickard. 1,460,439; July 3.
- Internal-combustion engine. W. B. Bronander. 1,460,474-5; July 3.
- Internal-combustion engine. W. R. Crider. 1,460,789; July 3.
- Internal-combustion engine. J. Good. 1,460,668; July 3.
- Internal-combustion engine. R. M. Lovejoy. 1,460,722; July 3.
- Internal-combustion engine. E. E. Neldner. 1,460,728; July 3.
- Internal-combustion engine. H. L. Thompson. 1,460,831; July 3.
- Internal-combustion engine. F. S. Wahl. 1,460,458; July 3.
- Ironing-board construction. R. F. Nadig and W. D. Somers. 1,460,432; July 3.
- Jack: *See—*
- Lifting jack.
- Screw jack.
- Joint: *See—*
- Flexible joint.
- Kennel, Window dog. C. Chaplin. 1,460,945; July 3.
- Ketones, Manufacture of. R. R. Williams and D. H. White. 1,460,876; July 3.
- Knitted fabrics, Making warp. E. E. Preston. 1,460,918; July 3.
- Knitting machines, Jacquard mechanism for circular. L. Toth, C. Konyves, and F. Strieffler. 1,460,990; July 3.
- Laboratory tabulator. C. Penafior. 1,460,917; July 3.
- Ladder, Combination. E. Darnell and L. G. Cassidy. 1,460,792; July 3.
- Ladder, Folding. A. S. Dixon. 1,460,479; July 3.
- Ladder rung, Replaceable. F. T. Peters. 1,460,680; July 3.
- Lamp holder, Electric-incandescent. E. F. Tweedy. 1,460,394; July 3.
- Lamp stand, Ornamental. C. Vehling. 1,460,992; July 3.
- Last. L. F. Small. 1,460,442; July 3.
- Last. L. F. Small. 1,460,450; July 3.
- Last and making the same. T. W. McNichol. 1,460,679; July 3.
- Lasts, Machine for sawing. T. W. McNichol. 1,460,678; July 3.
- Lathe chuck. J. J. Thacher. Re15,643; July 3.
- Laundry assorting and marking booths, Conveyor device for. C. W. Canine. 1,460,660; July 3.
- Level attachment. L. W. Tiffany. 1,460,989; July 3.
- Life buoy. G. Haack. 1,460,483; July 3.
- Lifting jack. J. Kaupert. 1,460,851; July 3.
- Light distributors and manufacturing the same uniformly in quantities, Making. S. F. Arbuckle. 1,460,835; July 3.
- Light-projecting apparatus. J. Ritter. 1,460,501; July 3.
- Line-casting machines, Attachment for. L. A. Robinson. 1,460,445; July 3.
- Links, Securing wrist pins for chain. R. W. Dull. 1,460,749; July 3.
- Liquid meter. R. S. Bassett. 1,460,471; July 3.
- Liquid meter. A. R. Granberg. 1,460,715; July 3.
- Liquids, fluids, and oils, Apparatus for the conversion and transformation of. J. H. Adams. 1,461,017; July 3.
- Lithographing machines, Feeding mechanism for tin-plate. S. Finigan. 1,460,373; July 3.
- Loading and unloading apparatus. J. A. Worsham. 1,460,466; July 3.
- Lock: *See—*
- Combination lock.
- Dumb-waiter lock.
- Door lock.
- Nut lock.
- Lock. P. Szydowski. 1,460,518; July 3.
- Locomotive frames, Jig for assembling. J. P. Sykes and H. E. Stover. 1,460,868; July 3.
- Logging bull hook. O. A. Wirkala. 1,460,808; July 3.
- Looms, Filling-fork grid for. N. Knight. 1,460,589; July 3.

- Looms, Pipe attachment for steam. O. F. McEnaney. 1,460,972; July 3.
- Lubricating, cleaning, and painting apparatus. F. A. Bannon. 1,460,695; July 3.
- Lubricating system and apparatus. W. M. S. Kilgour. 1,460,383; July 3.
- Lubrication record. S. S. Emery. 1,460,576; July 3.
- Luggage carrier. E. E. Conine. 1,461,008; July 3.
- Magnetizing bodies. E. Kuhn-Frei. 1,460,759; July 3.
- Magneto. G. Natoli. 1,460,763; July 3.
- Map and record holder. C. H. Seabee and G. C. Berlin. 1,460,610; July 3.
- Match container, Self-igniting. J. Timmel. 1,460,870; July 3.
- Material-handling apparatus. W. S. Kinsley. 1,460,384; July 3.
- Measuring device, Automatic. E. D. Church, F. S. Lash, and J. W. Van Brunt. 1,460,573; July 3.
- Measuring electrical resistances, Method of and apparatus for. R. P. Brown and C. P. Frey. 1,460,530; July 3.
- Mechanical rectifying system. J. W. Robinson. 1,460,444; July 3.
- Mesh bag. J. F. Killion. Des. 62,612; July 3.
- Mesh bag. H. B. Rowan. Des. 62,621-2; July 3.
- Metals, Burner for the autogenous cutting of. A. B. Dräger, H. W. C. Schröder, and E. W. Kunzmann. 1,460,662; July 3.
- Metallurgical process. H. G. C. Thofehrn. 1,460,830; July 3.
- Meter: *See*—
Fluid-fuel meter. Water meter.
Liquid meter.
- Micrometer caliper. J. W. Parker. 1,461,005; July 3.
- Milling machine, Circular. A. A. Wickland. 1,460,525; July 3.
- Mills, Lining for ball. E. Hedburg. 1,460,796; July 3.
- Mixer: *See*—
Concrete mixer.
- Mop, Polishing. F. J. Learman. 1,461,003; July 3.
- Motor: *See*—
Current motor. Outboard motor.
Motor and means for controlling the same. E. V. Hartford. 1,461,001; July 3.
- Motor controller. C. W. Yerger. 1,460,562; July 3.
- Motors, Compensator for induction. H. F. Stratton. 1,460,926; July 3.
- Motors, Overload protective device for electric. E. Newham. 1,460,556; July 3.
- Motors, Speed governor for pneumatic. W. C. Collignon. 1,460,705; July 3.
- Muffler and vaporizer, Combined. P. Dunlap. 1,460,664; July 3.
- Music-roll container. B. V. O'Neill. 1,460,978; July 3.
- Necktie holder. P. L. Markay. 1,460,725; July 3.
- Needle, Knitting. S. E. Taft. 1,461,007; July 3.
- Nitrates, Making. H. Hampel. 1,460,898; July 3.
- Nut lock. O. J. Boutte. 1,460,884; July 3.
- Nut lock. A. Ftyklo. 1,460,412; July 3.
- Nuts, Machine for shucking vegetable ivory. H. W. Crowell. 1,460,747; July 3.
- Nuts, Preserving compound for pistachio. S. F. Zaloom. 1,460,510; July 3.
- Oil burner. R. W. Wiederwax. 1,460,630; July 3.
- Oil, Purifying and dehydrating switch. C. H. Hapgood. 1,460,718; July 3.
- Outboard motor. W. F. A. Buehner. 1,460,570; July 3.
- Oven and cooking utensil, Combined field. B. L. Brad-dick. 1,460,639; July 3.
- Ovens, Reversing mechanism for by-product coke. L. F. Schrader. 1,460,829; July 3.
- Package conveying and distributing device. S. Olson. 1,460,437; July 3.
- Padlocks, Detachable keyhole seal for. T. W. Benson. 1,460,472; July 3.
- Pail and stand, Combined. A. G. Harrington. 1,460,484; July 3.
- Pan: *See*—
Frying pan.
- Paper cones, Machine for making. J. Eppler. 1,460,750; July 3.
- Paper, Device for perforating. I. H. Fruchter. 1,460,647; July 3.
- Paper, Multiply reenforced. A. F. Schenkelberger. 1,460,392; July 3.
- Paper-reinforcing machine and method thereof. A. E. Currier. 1,460,949; July 3.
- Paper-sheet-feeding machine. F. R. Hartman. 1,460,376; July 3.
- Papeterie, Folding. B. E. McSheehy. 1,460,426; July 3.
- Pasting machine, Color-chip. C. E. Sharp. 1,460,865; July 3.
- Pendant, Luminous. W. F. Arzinger. 1,460,694; July 3.
- Pen, Fountain. D. A. Glushak. 1,460,481; July 3.
- Pen or pencil case. F. J. Kristofek. Des. 62,613-15; July 3.
- Pen, Self-filling. H. Lewison. 1,460,386; July 3.
- Phonograph. W. A. Fricke. 1,460,579; July 3.
- Phonographs, Automatic replay and record shift for. E. E. Brosius. 1,460,940; July 3.
- Phonographs, Automatic stop for. M. E. Griswold. 1,460,543; July 3.
- Phonographs, Automatic stop for. G. C. Trotter. 1,460,871; July 3.
- Photographic reversal process. J. G. Capstaff. 1,460,703; July 3.
- Photography and photographic elements, Color. M. C. Hopkins. 1,460,673; July 3.
- Photometric device. C. Pulfrich. 1,460,732; July 3.
- Picker: *See*—
Fruit picker.
- Pickling bath and pickling iron and steel. O. Vogel. 1,460,895; July 3.
- Picture book and puzzle, Combined. E. Buffington. 1,460,700; July 3.
- Picture cabinet, Optical. S. Kucharski. 1,460,590; July 3.
- Pictures, Taking. I. Boysen. 1,460,744; July 3.
- Pigment and paint. H. S. Blackmore. 1,460,699; July 3.
- Pin: *See*—
Crank pin.
- Pin clasp. J. Zangrilli. 1,460,998; July 3.
- Pineapple-shell-feeding device. H. F. Opperman. 1,460,559; July 3.
- Pipe. A. M. Saunders. 1,460,769; July 3.
- Pistol, Automatic. J. H. Hines. 1,460,672; July 3.
- Piston. D. P. Davies. 1,460,535; July 3.
- Piston, Engine. R. L. Dewar. 1,460,537; July 3.
- Plane, Cooper's sun. C. H. Grath. 1,460,717; July 3.
- Planer-tool holder. O. J. Sarlandt. 1,460,681; July 3.
- Planters, Landmarker for. H. R. Traphagen. 1,460,457; July 3.
- Plaster and controlling the setting of plaster, an accelerator therefor, and making such accelerator. J. N. Wiggin. 1,460,396; July 3.
- Plastic material, Mixing or masticating heavy. D. R. Bowen and C. F. Schnuck. 1,460,938; July 3.
- Plastic substances, Apparatus for molding. R. H. S. Abbott and J. B. Close. 1,460,933; July 3.
- Plumb and level. H. W. Young. 1,460,741; July 3.
- Plumbing connection. M. J. Smith. 1,460,986; July 3.
- Pool-table register. C. Absmeier. 1,460,527; July 3.
- Poultry fountain. S. P. Catrider and P. P. Sauble. 1,460,702; July 3.
- Powder box. L. Root. 1,460,864; July 3.
- Power-transmitting device. A. E. Thompson. 1,460,622; July 3.
- Precious-metals concentrator. H. F. Snamiska. 1,460,452; July 3.
- Printing and addressing machine. J. S. Duncan. 1,460,711; July 3.
- Pump. D. H. Thompson. 1,460,988; July 3.
- Pump and regulating the same. L. F. Moody. 1,460,428; July 3.
- Pump, Rotary gear. A. White. 1,460,875; July 3.
- Pumps, Arrangement of oil. E. L. Müller. 1,460,431; July 3.
- Rack: *See*—
Garment rack.
- Racket and the like, Tennis. E. F. Gallaudet. 1,460,665; July 3.
- Radiator. P. J. H. Bernard. 1,460,881; July 3.
- Radiator core. H. Sway. 1,460,805; July 3.
- Radiator core. F. Todd. 1,460,772; July 3.
- Radiator-repair machine. M. Gerber. 1,460,480; July 3.
- Radio receiving system, Directional. R. H. Marriott. 1,460,801; July 3.
- Raft, Log. S. Wood. 1,460,779; July 3.
- Rail crossing. M. Svalland. 1,460,686; July 3.
- Rail fastener. E. M. McVicker. 1,460,819; July 3.
- Rail joints, Splice bar for. F. E. Abbott. 1,460,742; July 3.
- Railway and like vehicles, Coupler for. F. A. Mackinnon and J. Hampson. 1,460,974; July 3.
- Railway-crossing gates, Mechanism for operating. J. Kratochvil. 1,460,912; July 3.
- Railway ditcher. J. J. Miller. 1,460,762; July 3.
- Railway switch, Automatic. T. M. Prim. 1,460,981; July 3.
- Railway tie. O. Yarnell. 1,460,467; July 3.
- Reading appliance. R. M. Searle. 1,460,923-4; July 3.
- Receptacle for flowers. C. D. Dudley. Des. 62,605; July 3.
- Recording apparatus, Pump-controlled. W. T. Collins and C. B. Adams. 1,460,367; July 3.
- Recording mechanism, Watchman's. H. S. Hart. 1,460,901-2; July 3.
- Reel: *See*—
Fishing reel. Hose reel.
- Refacing tool. R. Bean. 1,460,838; July 3.
- Refrigerating machine, Air-. I. Lundgaard. 1,460,677; July 3.
- Refuse, Apparatus for the destruction of. R. Balmer. 1,460,565; July 3.
- Refuse-disposal plant. R. Balmer. 1,460,566; July 3.
- Register: *See*—
Coin-bank register. Pool-table register.
- Regulator: *See*—
Draft regulator.
- Resilient wheel. A. E. Bauman. 1,460,783; July 3.
- Resilient wheel. J. F. Miller. 1,460,494; July 3.
- Resilient wheel. E. Schultz. 1,460,446; July 3.
- Rheostat. E. G. Danielson. 1,460,408; July 3.
- Ring: *See*—
Finger ring. Spinning ring.
- Road maintaining and resurfacing machine. O. B. Walters. 1,460,930; July 30.

- Roadways, Contraction joint for. B. Briody. 1,460,841; July 3.
- Rod: *See*—
Welding rod.
- Rod-testing appliance, Connecting-. A. J. Koon, J. Hoog-erhyde, and J. E. Collins. 1,460,548; July 3.
- Roll-retaining device. A. W. Christ. 1,460,946; July 3.
- Roofing element, Prepared. A. R. Purdy. 1,460,827; July 3.
- Rope clamp. J. B. Woodbury and G. C. Soule. 1,460,633; July 3.
- Rug-hanging machine. P. J. Shampay. 1,460,448; July 3.
- Rule, Folding. F. Buck. 1,460,784; July 3.
- Router and blotter, Combined. A. Azcona. 1,460,935; July 3.
- Ruling machine. W. H. Hope. 1,461,002; July 3.
- Sashes in position, Means for securing window. I. Benjamins. 1,460,361; July 3.
- Saw machine of the continuous-band type, Hack-. C. Napier. 1,461,004; July 3.
- Screen: *See*—
Hood and screen. Well-pipe screen.
- Screw jack. A. L. Johnson. 1,460,799; July 3.
- Seat: *See*—
Adjustable seat.
- Separator: *See*—
Air separator. Grain separator.
- Sewing machine. A. H. De Voe. 1,460,891; July 3.
- Sewing-machine guide. J. J. Drake. 1,460,812; July 3.
- Shafts, Angle gear-housing adapter for flexible. F. G. Whittington. 1,460,524; July 3.
- Shafts, Flexible coupling for drive. A. R. Le Moon. 1,460,594; July 3.
- Shears holder, Paper-hanger's. G. W. Newberry. 1,460,434; July 3.
- Sheet, Communication. H. L. Latz. 1,460,492; July 3.
- Sheet-feeding mechanism. C. W. Tremper. 1,460,689; July 3.
- Sheet-metal structure, Hollow. C. Dornier. 1,460,372; July 3.
- Sheet or card, Record. J. A. Wherry. 1,460,776; July 3.
- Shield, Reinforced-tread expansion. J. E. Ogden. 1,460,557; July 3.
- Shingle. N. P. Harshberger. 1,460,795; July 3.
- Shingles, Packaging. H. Abraham. 1,460,833; July 3.
- Ship hulls and like floatable structures, Mold for making. E. A. Larsen. 1,460,676; July 3.
- Shock absorber. R. M. Lovejoy. 1,460,723; July 3.
- Shock absorber. L. H. Rice. 1,460,443; July 3.
- Shock absorber. G. H. Stoner. 1,460,771; July 3.
- Shock-absorber connection. R. M. Lovejoy. 1,460,856; July 3.
- Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,460,580; July 3.
- Shoe liner. C. A. L. Saunders. 1,460,608; July 3.
- Shoe-salesman's stool. S. L. Luton. 1,460,915; July 3.
- Shoe-tree, Adjustable. J. S. Hansen. 1,460,963; July 3.
- Shore, Self-locking. A. A. Gronros. 1,460,375; July 3.
- Shuttle-operating mechanism. A. Auletta. 1,460,637; July 3.
- Sifter, Furnace-ash-pit screen. J. Jirasek. 1,460,547; July 3.
- Signal: *See*—
Automobile signal. Vehicle signal.
Automobile alarm signal.
- Sign and its support. W. J. Wark. 1,460,520; July 3.
- Sign box. G. B. Hutchings. 1,460,674; July 3.
- Sign, Educational. C. A. Fairbanks. 1,460,954; July 3.
- Signs, Controlling device for electric. C. A. Fairbanks. 1,460,953; July 3.
- Signaling system, Electric. L. H. Darrow. 1,460,368; July 3.
- Signboard. B. Durfee. 1,460,951; July 3.
- Smoke consumer. F. P. Fischer. 1,460,956; July 3.
- Snowplow. W. D. Polk. 1,460,440; July 3.
- Soap dissolver and agitator. A. Celler. 1,460,704; July 3.
- Solenoid. W. J. O'Leary. 1,460,390; July 3.
- Sorting table. G. Pieretti. 1,460,862; July 3.
- Spark plug. J. L. Brockney and C. E. George. 1,460,745; July 3.
- Spark plug. J. C. Rowan. 1,460,983; July 3.
- Speedometers and the like, Transmission drive for. F. G. Whittington. 1,460,523; July 3.
- Speedometers, Transmission drive for. F. G. Whittington. 1,460,522; July 3.
- Spinning, Cleaning and conditioning cotton for. P. C. Wadsworth. 1,460,519; July 3.
- Spinning ring. S. Forbes. 1,460,751; July 3.
- Spinning, twisting, doubling, and analogous machines. Flier for. P. Clough. 1,460,887; July 3.
- Spoke. L. Dean. 1,460,536; July 3.
- Spool, Winding. W. R. Marshall. 1,460,595; July 3.
- Spot lamp. C. A. Whitsett. 1,460,777; July 3.
- Spot light, Changeable-color. J. M. Dollison and C. E. Smith. 1,460,644; July 3.
- Spring: *See*—
Vehicle spring.
- Spring structure. H. A. Palmer. 1,460,601; July 3.
- Spring wheel. W. E. Crawford. 1,460,889; July 3.
- Spring wheel. H. W. Gaines. 1,460,413; July 3.
- Spring wheel. E. Ramondo. 1,460,920; July 3.
- Springs, Combined shock absorber and oiling attachment for vehicle. J. Peyree. 1,460,498; July 3.
- Stand: *See*—
Lamp stand.
- Star identification protractor. J. J. McCracken. 1,460,387; July 3.
- Station, Liquid-dispensing. P. A. P. V. Maucière. 1,460,389; July 3.
- Steam trap. R. Carlstedt. 1,460,746; July 3.
- Sterilizing apparatus, Can-. R. Seggerman. 1,460,514; July 3.
- Stocking and making same, Seamless. W. H. Carter. 1,460,477; July 3.
- Stoker, Hand. F. C. Stimmel. 1,460,618; July 3.
- Stoker, Mechanical. W. R. Wood. 1,460,997; July 3.
- Stoker rams, Hydraulic drive for. C. L. Howse. 1,460,586; July 3.
- Stone-suspension device. J. E. Malkin. 1,460,388; July 3.
- Stove. H. Funke. 1,460,374; July 3.
- Stovepipe coupling. X. Junge. 1,460,910; July 3.
- Strain clamp. T. H. Barnard. 1,460,567; July 3.
- Street indicator. A. Lebreton and E. Talbot. 1,460,854; July 3.
- Stump remover. B. J. Steen and W. O. Martin. 1,460,617; July 3.
- Sulphur, Apparatus for manufacturing lime. R. Taki. 1,460,621; July 3.
- Supporter. F. J. Fulton. 1,460,752; July 3.
- Surfacing machine. J. A. Campbell. 1,460,407; July 3.
- Swing. J. E. Brown. 1,460,843; July 3.
- Switch. A. E. Griswold. 1,460,542; July 3.
- Switch. M. J. West. 1,460,629; July 3.
- Switch and fuse, Combined electric. J. G. Lundgren. 1,460,914; July 3.
- Table: *See*—
Extension table. Sorting table.
- Talking-machine motors, Supporting frame for. I. F. Burton. 1,460,406; July 3.
- Tan and making same, Synthetic. S. Kohn. 1,460,422; July 3.
- Tank: *See*—
Tender tank.
- Tank. A. S. Cooper. 1,460,999; July 3.
- Target disks and the like, Device for resiliently support- ing. A. Michoud. 1,460,860; July 3.
- Teat cup. C. Oden and H. R. Moore. 1,460,977; July 3.
- Telephone repeater, Voice-current. J. H. Homrighous. 1,460,814; July 3.
- Telephone system, Measured-service. T. G. Martin. 1,460,726; July 3.
- Telephone systems, Switching apparatus for. D. L. Liénzén and K. Larsson. 1,460,913; July 3.
- Temperature-indicating device. G. Joannes. 1,460,909; July 3.
- Tender tank. C. Ducas. 1,460,710; July 3.
- Textile fabric. J. S. and T. F. Boyd. Des. 62,600-2; July 3.
- Textile fabric. E. Ericson and R. Weiss. Des. 62,606; July 3.
- Textile fabric. G. M. Fauser. Des. 62,607-10; July 3.
- Textile fabric. J. W. McCreedy. Des. 62,617-19; July 3.
- Thermostat. W. A. Lacke. 1,460,853; July 3.
- Threading tool for automatic machines. H. T. White. 1,460,740; July 3.
- Tie: *See*—
Railway tie.
- Tilting trap. H. C. Ellis. 1,460,411; July 3.
- Timer. J. C. Osborn. 1,460,823; July 3.
- Timing apparatus. C. M. Crook. 1,460,707; July 3.
- Timing mechanism. O. Z. Brewer. 1,460,405; July 3.
- Tins, Loose cover and cutter for hermetically-sealed. H. Hermani. 1,460,845; July 3.
- Tire. E. A. Johnson. 1,460,588; July 3.
- Tire. W. N. Raach and C. E. Shurtleffe. Des. 62,620; July 3.
- Tire casing, Reinforced pneumatic. H. Nicholson. 1,460,599; July 3.
- Tire-chain-mounting device. J. Schneider. 1,460,506; July 3.
- Tire clamp. R. F. Lace. 1,460,385; July 3.
- Tire protector, Pneumatic. C. W. Bain. 1,460,781; July 3.
- Tire structure. W. A. Walsh. 1,460,775; July 3.
- Tire wheel, Pneumatic. P. J. Griffin. 1,460,753; July 3.
- Tires, Antislipping attachment for vehicle. R. R. Kintz. 1,460,657; July 3.
- Tires, Compression inner tube for. G. R. Colby. 1,460,533; July 3.
- Tires, Valve stem for pneumatic. A. B. Shaw. 1,460,804; July 3.
- Tongs, Box. B. Phelps. 1,460,730; July 3.
- Tooth, Artificial. J. L. Williams. 1,460,691; July 3.
- Toothbrush holder. W. W. Welpley. 1,460,995; July 3.
- Tools, Insulated handle for. C. P. L. Huston. 1,460,654; July 3.
- Torch, Combination cutting and welding. A. F. Jenkins. 1,460,655; July 3.
- Torpedoes, Air-leak vent for. W. Dieter. 1,460,370; July 3.
- Toy. H. P. Braisted. Des. 62,603; July 3.
- Toy, Figure wheeled. E. Starbuck. 1,460,616; July 3.
- Toy pistol. J. Popper. 1,460,441; July 3.
- Tractor clutch control. C. D. Metzger. 1,460,598; July 3.

- Tractor hitch. F. M. Fischer. 1,460,578; July 3.
 Tractors. Grading and scarifying device for. C. W. Howe and J. L. Garver. 1,460,585; July 3.
 Traller coupling. H. F. Biggam. 1,460,839; July 3.
 Train control, Automatic. P. J. Simmen. 1,460,449; July 3.
 Train-pipe connector. H. F. Bickel. 1,460,364; July 3.
 Transportation system, Monorail. F. R. Cornwall. 1,460,534; July 3.
 Trap: See—
 Steam trap. Tilting trap.
 Trap. M. L. Martin. 1,460,596; July 3.
 Trees, flowerpots, etc. Stand or holder for Christmas M. Mayer. 1,460,859; July 3.
 Tube casing. J. H. Grube. 1,460,794; July 3.
 Tubes, Making inner. E. L. Fuller. 1,461,000; July 3.
 Tubing spider. C. H. Benckenstein. 1,460,401-2; July 3.
 Tubular frame. C. S. Tilden. 1,460,928; July 3.
 2-oxy-1-aryl naphthylamines, Manufacture of. A. Wahl and R. Lants. 1,460,774; July 3.
 Typesetting machines, Gas governor for. H. W. Partlow. 1,460,980; July 3.
 Typewriter attachment. H. C. Stevens. 1,460,770; July 3.
 Typewriter, Power. M. C. Crawley. Re15,640; July 3.
 Typewriting machine. E. B. Hess. 1,460,846-9; July 3.
 Umbrella. T. J. Morris. 1,460,821; July 3.
 Underwear. R. E. Garrett. 1,460,959; July 3.
 Upholstery. F. H. Bancroft. 1,460,399; July 3.
 Vacuum cup. R. S. Thompson and C. F. Doscher. 1,460,927; July 3.
 Valve. G. H. Isley. 1,460,587; July 3.
 Valve-actuating means. F. A. Saunders. 1,460,922; July 3.
 Valve, Automatic. S. R. Amdursky. 1,461,010; July 3.
 Valve, Automatic pressure. J. G. Harris and G. D. Jaquett. 1,460,900; July 3.
 Valve, Combined hot and cold water. L. B. Yeiser and F. C. Lehmann. 1,460,931; July 3.
 Valve, Compressor. F. W. Parsons. 1,460,824; July 3.
 Valve, Flushing. W. S. White. 1,460,996; July 3.
 Valve, Flush-tank. S. Kneppel. 1,460,968; July 3.
 Valve mechanism for glass machines. A. R. Bethel. 1,460,363; July 3.
 Valve, Safety locomotive-cab. P. Wertz. 1,460,628; July 3.
 Valves, Locking device for motor. L. F. Easton. 1,460,538; July 3.
 Vanity box. B. P. Hyde. 1,460,906; July 3.
 Vanity box. R. W. Wilson. 1,460,509; July 3.
 Vanity case. W. H. Denney. 1,460,950; July 3.
 Vanity case. W. G. Kendall. 1,460,967; July 3.
 Vaporizer, Kerosene. W. H. Hill. 1,460,583; July 3.
 Vault, Burial. M. Dochnal. 1,460,409; July 3.
 Vehicle, Dumping. A. B. Cadman. 1,460,810; July 3.
 Vehicle instruments, Transmission drive for motor. F. G. Whittington. 1,460,521; July 3.
 Vehicle signal. G. F. Warner. 1,460,626; July 3.
 Vehicle spring. W. E. Stanford. 1,460,987; July 3.
 Vehicles, Body for children's. D. A. Cameron. 1,460,944; July 3.
 Vehicles, Double-reduction drive for motor. H. D. Clarke. 1,460,532; July 3.
 Vehicles, Track belt for motor. A. Kégresse. 1,460,656; July 3.
 Vending machine. D. Allen. 1,460,879; July 3.
 Vending machine. W. Betts. 1,460,882; July 3.
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 Vending machines, Means for heating the contents of. C. L. Paine. 1,460,979; July 3.
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 Watch charm, pendant, or similar article. F. R. Wentworth. Des. 62,628; July 3.
 Water meter. B. A. Arnaud. 1,460,880; July 3.
 Water-service system, Domestic. C. E. Records. 1,460,982; July 3.
 Water-supply system for dwellings and the like. C. A. Sill. 1,460,613; July 3.
 Wavemeter. P. J. Armagnat. 1,460,636; July 3.
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 Welding compound. J. R. Campbell and J. L. Reynolds. 1,460,476; July 3.
 Welding rod. J. H. Critchett. 1,460,790; July 3.
 Well casings, Jar coupling for oil-. J. G. Burch. 1,460,787; July 3.
 Well elevator. H. M. Harris. 1,460,652; July 3.
 Well-pipe screen. S. H. St. John. 1,460,735; July 3.
 Wells, Drilling. F. J. Carman. 1,460,788; July 3.
 Wheat, Purifying garlicky. J. E. Gaskill. 1,460,648; July 3.
 Wheel: See—
 Cushion wheel. Spring wheel.
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 Wheels and the like, Carrier for spare. F. K. Lawrence. 1,460,592; July 3.
 Wheels, Antislipping attachment for vehicle. C. Moss. 1,460,822; July 3.
 Wheels, Mounting and driving of gear. F. H. Royce. 1,460,768; July 3.
 Wicks, Machine for treating. F. W. Fischer. 1,460,955; July 3.
 Window protector. L. W. Duncan. 1,460,645; July 3.
 Windshields, Adjustable wing for. F. L. Miller. 1,460,861; July 3.
 Wire-drawing machine, Continuous. J. A. Horton. 1,460,379; July 3.
 Wireless detector. W. H. Ruf. 1,460,734; July 3.
 Wire stitcher. J. Wolf and M. Burger. 1,460,526; July 3.
 Wire stretching and tying machine. A. J. Gerrard. 1,460,649; July 3.
 Woodcutting machine. A. White. 1,460,874; July 3.
 Woodworking machinery. E. G. Ashley. 1,460,780; July 3.
 Work support. W. V. Neal. 1,460,433; July 3.
 Work supports, Actuating mechanism for. J. M. Benjamin. 1,460,362; July 3.
 Wrench. A. Bangert and F. May. 1,460,837; July 3.
 Wringers, Pressure regulating and releasing apparatus for. A. W. Krahn. 1,460,423; July 3.
 Zirconium oxide, Recovering. M. N. Rich. 1,460,766; July 3.

CLASSIFICATION OF PATENTS

ISSUED JULY 3, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- A/S Ferrosan, Copenhagen, Denmark. Neutral constant iron preparation for use as blood generation, etc. 170,074; July 10; Serial No. 166,216; published Mar. 20, 1923.
- Abraham & Straus, Inc., New York, N. Y. Lotions for external application to the body. 170,009; July 10; Serial No. 172,813; published Apr. 3, 1923.
- Ad-Packed Hair Net Co., Inc., New York, N. Y. Hair nets. 170,173-4; July 10; Serial Nos. 176,242-3; published Apr. 10, 1923.
- Ad-Packed Hair Net Co., Inc., New York, N. Y. Hair nets. 170,176-7; July 10; Serial Nos. 176,240-1; published Apr. 10, 1923.
- Advance Candy Mfg Corp., New York, N. Y. Chocolate candy. 170,124; July 10; Serial No. 164,356; published Apr. 3, 1923.
- Albany Perforated Wrapping Paper Co., Albany, N. Y. Toilet paper and paper towels. 170,308; July 10; Serial No. 176,437; published Apr. 10, 1923.
- Allen Gravel Company, Memphis, Tenn. Paving gravel. 170,112; July 10; Serial 159,676; published Apr. 3, 1923.
- American Bottle Cap Co., Seattle, Wash. Bottle caps. 169,996; July 10; Serial No. 151,777; published Apr. 3, 1923.
- American Chemical Paint Company, Philadelphia, Pa. Preparation of acid reaction for preventing rust. 170,006; July 10; Serial No. 156,955; published Apr. 3, 1923.
- American Cotton Oil Company, New York, N. Y. Cottonseed oils for mechanical and food purposes; 23,776; renewed Oct. 31, 1923.
- American Crayon Company, The, Sandusky, Ohio. Crayons, chalks, and pencils. 170,248; July 10; Serial No. 171,440; published Apr. 3, 1923.
- American Display Company, The, Dayton, Ohio. Toy electric railway. 169,961; July 10; Serial No. 174,718; published Apr. 10, 1923.
- American Oil Company, The, Baltimore, Md. Crank-case flushing oil. 170,245; July 10; Serial No. 171,719; published Apr. 3, 1923.
- American Pickle & Canning Co., Hattiesburg, Miss. Canned vegetables and sweet mixed pickles. 169,976; July 10; Serial No. 166,622; published Apr. 10, 1923.
- American Platinum Works, Newark, N. J. Gold, platinum, palladium, and silver metals, and solder and rolled sheets and plates. 170,197; July 10; Serial No. 173,392; published Apr. 3, 1923.
- American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh Pa.; New York, N. Y.; and Worcester, Mass. Nails. 170,153; July 10; Serial No. 168,594; published Apr. 3, 1923.
- American Thread Company, The, Jersey City, N. J., and New York, N. Y. Spool and sewing cotton, cotton thread, cotton yarn, knitting cotton, etc. 170,056; July 10; Serial No. 175,910; published Apr. 10, 1923.
- Ames Shovel & Tool Company, Jersey City, N. J., and Boston, Mass. Shovels, spades, and scoops. 170,042; July 10; Serial No. 174,986; published Apr. 17, 1923.
- Anaconda Copper Mining Company, New York, N. Y. Cast, drawn, rolled, extruded, pressed, and machined non-ferrous metals and alloys and ingots, castings, sheets, etc. 170,147; July 10; Serial No. 164,291; published Apr. 3, 1923.
- Anso Company, Binghamton, N. Y. Combination camera and film kits. 170,162; July 10; Serial No. 169,798; published Apr. 3, 1923.
- Armstrong Cork Company, Pittsburgh and Lancaster, Pa. Rubber heels. 170,115; July 10; Serial No. 159,828; published Apr. 3, 1923.
- Art Label Company, The. (See Lasher, Charles W., jr.)
- Arundel Clarence E., San Francisco, Calif. Navigational appliances. 170,361; July 10.
- Asbestos and Allied Products Co., New York, N. Y. Asbestos brake lining and clutch-disk facing. 170,227; July 10; Serial No. 174,813; published Apr. 3, 1923.
- Asthma-Tol Co., The, Greer, S. C. Asthma medicine. 169,990; July 10; Serial No. 137,598; published Dec. 26, 1922.
- Auld, Ima, Dinuba, Calif. Face lotions. 170,196; July 10; Serial No. 173,393; published Apr. 3, 1923.
- Ault & Wiborg Co., The, Cincinnati, Ohio. Dry color for use in rubber manufacturing; 170,079; July 10; Serial No. 167,285; published Apr. 3, 1923.
- Averill, Georgene, New York, N. Y. Dolls and doll outfits. 169,969; July 10; Serial No. 164,144; published Apr. 10, 1923.
- Baechtold, Herman, doing business as Rochelle Lace Works, New York, N. Y. Imported woven fabrics. 170,234; July 10; Serial No. 174,032; published Apr. 3, 1923.
- Baker-Perkins Manufacturing Corporation, Saginaw, Mich. Dough and bun dividers, bread proofers, panning machines, mixers, etc. 170,237; July 10; Serial No. 174,228; published Apr. 10, 1923.
- Baltimore Optical Company, Baltimore, Md. Lenses and frames for eyeglasses and spectacles. 170,007; July 10; Serial No. 172,929; published Apr. 3, 1923.
- Barnard Manufacturing Company, Superior, Nebr. Toothache medicine. 170,195; July 10; Serial No. 173,394; published Apr. 3, 1923.
- Barrett Company, The, New York, N. Y. Insulating paper. 170,200; July 10; Serial No. 173,345; published Apr. 3, 1923.
- Beaton & Cadwell Manufacturing Company, The, New Britain, Conn. Mops and mopsticks. 170,052; July 10; Serial No. 175,760; published Apr. 17, 1923.
- Beck, Wm. & Chas., Inc. Lawrence, Mass. Cotton fire hose. 170,311; July 10; Serial No. 175,124; published Apr. 3, 1923.
- Behrendt, Jacob W., San Francisco, Calif. Solution for the treatment of inflamed, tender, or bleeding gums, pyorrhea, etc. 170,188; July 10; Serial No. 173,554; published Apr. 3, 1923.
- Benton Holladay & Co., New York, N. Y. Oil leather dye. 170,061; July 10; Serial No. 172,195; published Apr. 3, 1923.
- Bernhard Ulmann Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 170,170; July 10; Serial No. 176,382; published Apr. 10, 1923.
- Bernhard Ulmann Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 170,171; July 10; Serial No. 176,379; published Apr. 10, 1923.
- Bernhard Ulmann Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 170,172; July 10; Serial No. 176,375; published Apr. 10, 1923.
- Besaw, Willie O., Reedley, Calif. Fuse plugs. 169,985; July 10; Serial No. 167,929; published Apr. 3, 1923.
- Biggar, W. M., & Co., New York, N. Y. Worsteds piece goods. 170,236; July 10; Serial No. 174,165; published Apr. 3, 1923.
- Bilhuber, E., Inc., New York, N. Y. Medicinal preparation for treatment of asthma, etc. 170,032; July 10; Serial No. 173,695; published Apr. 10, 1923.
- Bio-Chemic Laboratory. (See Jensen, Dr. Walter D.)
- Birnie Paper Company, Springfield, Mass. Writing and printing paper, mailing envelopes, and papeteries. 170,286-7; July 10; Serial Nos. 176,876-7; published Apr. 10, 1923.
- Bizzoni, Humbert, New York, N. Y. Wrinkle remover, depilatory, deodorant, etc. 170,059; July 10; Serial No. 172,412; published Mar. 27, 1923.
- Blair, J. C., Company, Huntingdon, Pa. Paper, envelopes, tablets, blank books, papeteries. 170,323; July 10; Serial No. 175,706; published Apr. 3, 1923.
- Blazeout Company, The. (See Martin, Clayton R.)
- Bob & Baskind, New York, N. Y. Men's and boys' shirts, underwear, play suits, boys' waists and blouses. 170,334; July 10.
- Brenchley, Emma M., New Malden, England. Cigarette paper. 170,307; July 10; Serial No. 176,445; published Apr. 10, 1923.
- Brooks, Max L., Brooklyn, N. Y. Games and game apparatus. 170,256; July 10; Serial No. 170,967; published Apr. 3, 1923.
- Brun Mfg. Co., Philadelphia, Pa. Laundry wax. 170,085; July 10; Serial No. 168,201; published Apr. 3, 1923.
- Brunner, Lamar F., doing business as Utility Fittings Company, Philadelphia, Pa. Electric-conduit fittings. 170,128; July 10; Serial No. 156,344; published Apr. 3, 1923.
- Bryant, Frank H., doing business as Poe Chemical Company, Troy, N. Y. Preparation for internal and external use for the alleviation of pain, etc. 170,263; July 10; Serial No. 170,423; published Apr. 3, 1923.
- Burhop, Fred D., doing business as Mell-O Packing Company, Yonkers, N. Y. Aging and softening chemical powder for liquors. 170,251; July 10; Serial No. 171,196; published Apr. 3, 1923.
- Burnham, Stoepel & Company, Detroit, Mich. Gowns and pyjamas. 170,338; July 10.
- Burton, J. H., & Sons Co. Inc., New York, N. Y. Lumber. 170,194; July 10; Serial No. 173,400; published Apr. 3, 1923.
- Butterfield, Fred, & Co. Inc., New York, N. Y. Textile fabric in the piece. 170,339; July 10.
- Capdau, Hippolyte E., New Orleans, La. Salve for the treatment of catarrh, sore throat, croup, etc. 170,165; July 10; Serial No. 169,888; published Apr. 3, 1923.
- Carbide & Carbon Chemicals Corporation, New York, N. Y. Lubricants particularly intended for use in refrigerating machines. 170,324; July 10; Serial No. 175,710; published Apr. 3, 1923.
- Caron Corporation. (See Daltroff, E., & Cie., assignor.)
- Catholic Students' Mission Crusade, Cincinnati, Ohio. Magazine published quarterly. 170,109; July 10; Serial No. 158,224; published June 13, 1922.

- Chapin & Gould Paper Company, Springfield, Mass. Writing and printing paper and mailing envelopes. 170,288; July 10; Serial No. 176,114; published Apr. 10, 1923.
- Chaplin Classics Inc., New York, N. Y. Motion pictures. 170,203; July 10; Serial No. 173,072; published Apr. 3, 1923.
- Charm-U Co., The, Chattanooga, Tenn. Vanishing cream and cleansing or cold cream. 169,983; July 10; Serial No. 167,838; published Apr. 10, 1923.
- Chertoff, N., Inc., doing business as U. S. Sewing Thread Co., New York, N. Y. Thread and yarn. 170,132; June 10; Serial No. 159,140; published Apr. 3, 1923.
- Chicago Malt Extract Co., Chicago, Ill. Malt extract for food purposes. 170,102; July 10; Serial No. 168,754; published Apr. 10, 1923.
- Clarensa Chemical Works. (See Smith, J. Elmer.)
- Clark Patent Tubing Co., Wheeling, W. Va. Paper tubes to be used with explosive powder in blasting. 170,043; July 10; Serial No. 175,069; published Apr. 10, 1923.
- Clifford, Charles T. H., doing business as Promo Products Co., Oakland, Calif. Carbon remover. 170,144; July 10; Serial No. 163,533; published Apr. 10, 1923.
- Cloyes, Harold G., Boston, Mass. Recoil checkers. 170,106; July 10; Serial No. 168,102; published Apr. 10, 1923.
- Clymer, Floyd Manufacturing Company, The, Denver, Colo. Electric-lamp spotlights. 170,340; July 10.
- Code, George, Boston, Mass. Tonic to assist the digestion of food in the stomach. 170,011; July 10; Serial No. 172,663; published Apr. 3, 1923.
- Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 169,956; July 10; Serial No. 174,655; published Apr. 10, 1923.
- Colby Steel and Engineering Co., Seattle, Wash. Industrial trucks and trailers. 169,994; July 10; Serial No. 142,775; published Apr. 3, 1923.
- Collins Company, The, Collinsville, Conn. Pickaxes, crowbars, wrenches, tercardos, mattocks, etc. 170,241; July 10; Serial No. 174,559; published Apr. 3, 1923.
- Columbian Rope Company, Auburn, N. Y. Rope. 170,136; July 10; Serial No. 161,619; published Apr. 10, 1923.
- Commercial Paste Co., The, Columbus, Ohio. Adhesive in the form of paste. 170,299; July 10; Serial No. 176,788; published Apr. 10, 1923.
- Conley, Frederick T., doing business as Symbolox Box Co., South Boston, Mass. Toothbrush containers. 170,295; July 10; Serial No. 175,771; published Apr. 17, 1923.
- Corby Baking Company, The, Washington, D. C. Bread. 169,987; July 10; Serial No. 94,532; published Apr. 3, 1923.
- Covington, John W., Chicago, Ill. Tooth paste. 170,035; July 10; Serial No. 173,811; published Apr. 10, 1923.
- Cradock, George, & Co., assignor to George Cradock & Co. Ltd., Wakefield, England. Wire rope and chain. 23,103; renewed May 23, 1923.
- Cramer, C. N., Co., Ashland, Wis. Brooms. 169,964; July 10; Serial No. 174,891; published Apr. 17, 1923.
- Crescent Creole Candy Co. Inc., New Orleans, La. Candy. 169,988; July 10; Serial No. 130,160; published Mar. 6, 1923.
- Crumley, C. V., doing business as Tubetite Manufacturing Company, Tacoma, Wash. Compound for preventing punctures in pneumatic tires. 170,301; July 10; Serial No. 176,606; published Apr. 10, 1923.
- Cupples Company Manufacturers, St. Louis, Mo. Rubber jar rings. 170,129; July 10; Serial No. 158,380; published May 30, 1922.
- Curtiss, Lloyd, assignor to Service Sales Agency, Newark, N. J. Crystallized sweet pickles in bottles. 170,071; July 10; Serial No. 165,913; published Mar. 27, 1923.
- Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation. Perfume, toilet water, rouges, face and talcum powders, etc. 170,278; July 10; Serial No. 173,916; published Apr. 10, 1923.
- Daugherty & Jackson, Seymour, Tex. Pyorrhea remedy. 170,012; July 10; Serial No. 172,666; published Apr. 3, 1923.
- Deford, Paul F., Pasadena, Calif. Capsules for relief of bladder complaints, spasmodic asthma, heart pains, etc. 169,984; July 10; Serial No. 167,914; published Apr. 10, 1923.
- De Laney, Paul, Co. Inc., The, Brocton, N. Y. Grape juice and apple juice. 170,294; July 10; Serial No. 175,772; published Apr. 17, 1923.
- Del Sordo, Harry E., Newark, N. J. Dandruff remover. 170,025; July 10; Serial No. 173,593; published Apr. 10, 1923.
- Demartini, L., Supply Company, San Francisco, Calif. Bottled and canned liquid compound of Mexican vanilla beans, vanillin, and coumarin uncolored. 169,993; July 10; Serial No. 141,417; published Nov. 29, 1922.
- Demetruilas, Angelo, Johnston City, Ill. Beverage sold as a soft drink. 170,354; July 10.
- Derryvale Linen Co., Inc., New York, N. Y. Linen and cotton piece goods, towels, handkerchiefs, napkins, etc. 170,250; July 10; Serial No. 171,263; published Mar. 6, 1923.
- Deutsche Elektrizitäts-Werke zu Aachen-Gerbe, Lahmeyer & Co.-Aktiengesellschaft, Aachen, Germany. Dynamos, electromotors and parts thereof, electrical apparatus. 170,141; July 10; Serial No. 162,985; published Apr. 3, 1923.
- Diamond, Patrick, Philadelphia, Pa. Washing blue. 21,903; renewed Nov. 1, 1922.
- Dickemper, Ray J., Terre Haute, Ind. Horse-radish. 170,281; July 10; Serial No. 172,867; published Apr. 17, 1923.
- Dinhofer Bros. Inc., New York, N. Y. Bar pins, belt buckles, bracelets, brooches, neck chains, etc. 170,037; July 10; Serial No. 173,918; published Apr. 3, 1923.
- Dinhofer Bros. Inc., New York, N. Y. Platinum in bars, sheets, rolls, etc., and platinum solder. 170,232; Serial No. 173,919; July 10; published Apr. 3, 1923.
- Disc Alley Manufacturing Company, Atlanta, Ga. Parlor board game. 170,067; July 10; Serial No. 165,010; published Apr. 3, 1923.
- Doehler, Die-Casting Co., Brooklyn, N. J. Die-casting metal and die castings. 170,242; July 10; Serial No. 174,562; published Apr. 3, 1923.
- Donahue, Henry M., doing business as Hoyt Apothecaries Co., San Francisco, Calif. Mouth wash. 170,064; July 10; Serial No. 171,908; published Apr. 3, 1923.
- Douglas, Richard, doing business as The R. E. D. Mfg. Co., Brooklyn, N. Y. Polishing oils for painted, varnished, and lacquered surfaces. 169,947; July 10; Serial No. 174,429; published Apr. 10, 1923.
- Duncan Chemical Company, Albany, Ala. Medicines and insecticides. 170,151; July 10; Serial No. 168,518; published Apr. 3, 1923.
- Duplan Silk Corporation, New York, N. Y. Silk piece goods. 170,315; July 10; Serial No. 175,473; published Apr. 3, 1923.
- Eberle, Francis X., Los Angeles, Calif. Containers made of wood or metal for merchandise. 170,201; July 10; Serial No. 172,936; published Apr. 3, 1923.
- Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,020; July 10; Serial No. 173,475; published Apr. 10, 1923.
- Ely & Walker Dry Goods Company, St. Louis, Mo. Cotton piece goods. 170,310; July 10; Serial No. 176,017; published Apr. 10, 1923.
- Englert Manufacturing Co., Pittsburgh, Pa. Electric batteries. 170,218; July 10; Serial No. 152,609; published Apr. 3, 1923.
- Enterprise Paint Mfg. Co., Chicago, Ill. Ready-mixed and paste paints, varnishes, and paint enamels. 170,267; July 10; Serial No. 174,829; published Apr. 17, 1923.
- Enterprise Paint Mfg. Co., Chicago, Ill. Paints, varnishes, and paint enamels. 170,268; July 10; Serial No. 174,827; published Apr. 17, 1923.
- Eustall Company. (See Glnlayson, Estelle B.)
- Eustathopoulos, Nap., & Fils, New York, N. Y. Cotton goods in the piece. 170,072; July 10; Serial No. 165,990; published Apr. 3, 1923.
- Ewald, Cora, Brooklyn, N. Y. Toy dolls. 169,949; July 10; Serial No. 174,515; published Apr. 10, 1923.
- Excello Shirt Co. Inc., New York, N. Y. Men's and boys' dress and negligee shirts. 170,068; July 10; Serial No. 165,363; published Jan. 30, 1923.
- Excello Shirt Co. Inc., New York, N. Y. Dress and negligee shirts, collars, pyjamas, night wear, and men's textile underwear. 170,125; July 10; Serial No. 164,699; published Mar. 20, 1923.
- Fahnstock Electric Co., Long Island City, N. Y. Spring binding posts, telephone test connectors, ignition switches, etc. 170,345; July 10.
- Fair, The, Chicago, Ill. Laundry washing machines. 169,951; July 10; Serial No. 174,614; published Apr. 3, 1923.
- Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Compositions for exterminating moths. 170,038; July 10; Serial No. 173,925; published Apr. 10, 1923.
- Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Vulcanization accelerators. 170,039; July 10; Serial No. 173,926; published Apr. 10, 1923.
- Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Antineuralgics. 170,274; July 10; Serial No. 173,923; published Apr. 10, 1923.
- Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Hemostatics. 170,275; July 10; Serial No. 173,922; published Apr. 10, 1923.
- Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Parasitocides. 170,276-7; July 10; Serial Nos. 173,920-1; published Apr. 10, 1923.
- Fernandez, Cirilo, Milwaukee, Wis. Cigars, cheroots, and cigarettes. 170,240; July 10; Serial No. 174,432; published Apr. 3, 1923.
- Fidelity Pencil Company. (See Hobbs, H. C.)
- Fiebrich-Fox-Hilker Shoe Company, Racine, Wis. Shoes made wholly or in part of leather. 170,021; July 10; Serial No. 173,480; published Apr. 3, 1923.
- Fiebrich-Fox-Hilker Shoe Company, Racine, Wis. Shoes made wholly or in part of leather. 170,023; July 10; Serial No. 173,481; published Apr. 3, 1923.

- Finlayson, Estelle B., doing business as Estall Company, New York, N. Y. Antiseptic lotion for the treatment of the scalp and skin. 170,008; July 10; Serial No. 172,830; published Apr. 3, 1923.
- Finstick, Lawrence A., doing business as Hi-Way Laboratories, Laporte, Ind. Self-vulcanizing tire patch. 170,094; July 10; Serial No. 169,582; published Apr. 3, 1923.
- Fisher Body Corporation, Detroit, Mich. Automobile bodies. 170,152; July 10; Serial No. 168,464; published Apr. 3, 1923.
- Fitzer, Henry C., Logansport, Ind. Medicine for treating high blood pressure, rheumatism, and neuritis. 170,253; July 10; Serial No. 171,160; published Mar. 27, 1923.
- Fleckenstein, C. G., Company, Muskegon Heights, Mich. Leather. 169,974; July 10; Serial No. 166,362; published Apr. 10, 1923.
- Food Products Co., San Francisco, Calif. Canned figs. 170,280; July 10; Serial No. 172,873; published Apr. 17, 1923.
- Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 170,316; July 10; Serial No. 175,482; published Apr. 3, 1923.
- Forst Products Co., Inc., New Orleans, La. Beverage sold as a soft drink and flavoring sirups, etc., used in preparation of the same. 170,289; July 10; Serial No. 176,172; published Apr. 17, 1923.
- Four Way Company. (See Munger, Louis de F.)
- Fownes Brothers & Co., London, England, assignor to Fownes Brothers & Co. Inc., New York, N. Y. Gloves. 23,017; renewed May 18, 1923.
- Freezerator Co., The, Detroit, Mich. Artificial refrigerating apparatus for household use. 170,119; July 10; Serial No. 163,512; published Apr. 3, 1923.
- Freiberger, Moritz, Charlottenburg, near Berlin, Germany. Heterocyclic compounds. 170,086; July 10; Serial No. 168,258; published Apr. 3, 1923.
- G. C. A. Manufacturing Company, The, Pittsfield, Mass. Apparatus for installing and removing electric-light bulbs, lamp sockets, etc. 170,243; July 10; Serial No. 174,570; published Apr. 3, 1923.
- Gallagher, Owen V., doing business as Mentho Relief Company, Denver, Colo. Salve. 170,075; July 10; Serial No. 166,227; published Mar. 27, 1923.
- Gasaway, Albert A., doing business as A. A. Gasaway & Son, St. Joseph, Mo. Salves, washes, and ointments used in treatment of piles and eczema. 170,167; July 10; Serial No. 170,062; published Mar. 20, 1923.
- Gellman, Wrench Corporation, The, Chicago, Ill. Wrenches. 170,266; July 10; Serial No. 174,896; published Apr. 17, 1923.
- Get-Gas Service Stations, Inc., Springfield, Ill. Gasoline, kerosene, naphtha, etc. 170,130; July 10; Serial No. 158,391; published Apr. 10, 1923.
- Gilmore Petroleum Company, Los Angeles, Calif. Volatile compound derived from petroleum. 169,975; July 10; Serial No. 166,557; published Apr. 10, 1923.
- Gimbel Brothers, Incorporated, Philadelphia, Pa. Men's hats. 169,979; July 10; Serial No. 166,944; published Apr. 10, 1923.
- Gintone Laboratories. (See Schneider, Emil D.)
- Glass, Henry, & Co., New York, N. Y. Gingham in the piece. 170,230; July 10; Serial No. 173,820; published Apr. 3, 1923.
- Glemby's, S., Sons Co., Inc., New York, N. Y. Snap fasteners. 170,355; July 10.
- Globe Import Co. (See Richter, Julius.)
- Globe Shoe Company, Chelsea, Mass. Women's boots and shoes. 170,166; July 10; Serial No. 169,900; published Apr. 3, 1923.
- Globe Wire Co., Sharpsburg, Pa. Steel rods. 170,228; July 10; Serial No. 174,772; published Apr. 3, 1923.
- Goodall Worsted Co., Sanford, Me., and New York, N. Y. Men's and boys' coats, vests, pants, and knickerbockers. 170,138; July 10; Serial No. 162,546; published Apr. 10, 1923.
- Grace, W. R., & Co., New York, N. Y., and San Francisco, Calif. Textile fabrics consisting of cotton piece goods. 170,229; July 10; Serial No. 174,898; published Apr. 3, 1923.
- Grant, William M., & Son, Johnstown, N. Y. Ladies' silk underwear, sport hats, hosiery, etc. 170,123; July 10; Serial No. 164,104; published Oct. 10, 1922.
- Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 170,088-9; July 10; Serial Nos. 170,383-4; published Apr. 10, 1923.
- Gross, Wm. H., Chemical Company, San Antonio, Tex. Chemicals, medicines, and pharmaceutical preparations. 170,097; July 10; Serial No. 169,295; published Apr. 10, 1923.
- Gump, B. F., Co., Chicago, Ill. Milling machinery, bolting reels, feed screens, etc. 170,208; July 10; Serial No. 124,986; published Apr. 17, 1923.
- Hager, Clark & Co., New York, N. Y. Woolen piece goods. 170,233; July 10; Serial No. 174,007; published Apr. 3, 1923.
- Happy Thought Remedy Co., Kansas City, Mo. Internal treatment for piles. 170,026; July 10; Serial No. 173,596; published Apr. 10, 1923.
- Hatfield, Asa A., doing business as Med-A-Dent Dental Specialties Company, Danville, Ky. Tooth paste and cleanser and a preparation for the treatment of pyorrhea. 170,083; July 10; Serial No. 167,676; published Apr. 3, 1923.
- Hawkes-Jackson Company, New York, N. Y. Stationers' supplies. 170,352; July 10.
- Hechtman, Chas., Osseo, Minn. Potatoes. 170,092; July 10; Serial No. 169,902; published Apr. 10, 1923.
- Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel-copper alloys. 170,283; July 10; Serial No. 172,708; published Apr. 17, 1923.
- Henshol Co. Inc., The, New York, N. Y. Artificial pearls. 170,027; July 10; Serial No. 173,597; published Apr. 3, 1923.
- Hicks, W. Wesley, San Francisco, Calif. Electric water heaters, electric air heaters, radiant floor and wall heaters, etc. 169,966; July 10; Serial No. 174,962; published Apr. 3, 1923.
- Hiertz, Theodore, & Son; Theodore Hiertz Metal Co., successor, St. Louis, Mo. Babbitt metal and antifriction journal bearings. 22,658; renewed Mar. 14, 1923.
- Himmer Brothers Co. Inc., The, Baltimore, Md. Waxed paper. 170,297; July 10; Serial No. 175,394; published Apr. 10, 1923.
- Hinckley Manufacturing Co., Providence, R. I. Buttons, shoe ornaments, badges, and emblems. 170,070; July 10; Serial No. 165,552; published Apr. 3, 1923.
- Hinkson, Andrew H., doing business as Shults Ointment Company, Chester, Pa. Ointments used for swellings, sores, bruises, burns, etc., and liniments. 170,014; July 10; Serial No. 172,593; published Apr. 3, 1923.
- Hipp, Didisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of the same. 169,952; July 10; Serial No. 174,618; published Apr. 3, 1923.
- Hipp, Didisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of the same. 169,953; July 10; Serial No. 174,620; published Apr. 3, 1923.
- Hipp, Didisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of the same. 169,954-5; July 10; Serial Nos. 174,622-3; published Apr. 3, 1923.
- Hipp, Didisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of the same. 169,957; July 10; Serial No. 174,624; published Apr. 3, 1923.
- Hirschfield Skirt Co., St. Louis, Mo. Outer skirts for girls. 170,360; July 10.
- Hi-Way Laboratories. (See Finstick, Lawrence A.)
- Hobbs, H. C., doing business as Fidelity Pencil Company, New York, N. Y. Pencils. 170,204; July 10; Serial No. 173,132; published Mar. 13, 1923.
- Hochstadter, Harry C., Philadelphia, Pa. Dental floss. 169,946; July 10; Serial No. 174,392; published Apr. 10, 1923.
- Hoey, John J., Los Angeles, Calif. Canned ripe olives. 170,105; July 10; Serial No. 168,364; published Apr. 10, 1923.
- Holbrook, Merrill & Stetson, San Francisco and Los Angeles, Calif. Cooking and heating stoves, furnaces, radiators, etc. 170,137; July 10; Serial No. 162,409; published Apr. 3, 1923.
- Hollander, Joseph, Inc., Newark, N. J. Dyed animal skins. 169,977; July 10; Serial No. 166,741; published Apr. 10, 1923.
- Holzman, Samuel, doing business as Tsout Remedy Co., New York, N. Y. Remedy for corns, calli, and warts. 170,259; July 10; Serial No. 170,818; published Apr. 3, 1923.
- Hooven & Allison Company, The, Xenia, Ohio. Cordage. 170,000; July 10; Serial No. 154,515; published Apr. 3, 1923.
- Horlicks Food Company, assignor to Horlick's Malted Milk Company, Racine, Wis. Malt extract and other food for infants and invalids. 23,791; renewed Nov. 7, 1923.
- Hornsby, Pauline K., Chicago, Ill. Deodorants. 170,108; July 10; Serial No. 157,923; published Apr. 3, 1923.
- Horstmann, Wm. H., Company, Philadelphia, Pa. Yarn. 170,016; July 10; Serial No. 172,475; published Apr. 3, 1923.
- Hoyt Apothecaries Co. (See Donahue, Henry M.)
- Hudnall, Frank P., Manchester, Ohio. Toilet packages for containing tooth brush, paste, and powder. 170,063; July 10; Serial No. 172,045; published Apr. 3, 1923.
- Hunter, R. William, doing business as National Chemical Company, Detroit, Mich. Cold cream, vanishing cream, bleaching cream, hair grower, and corn remedy. 170,080; July 10; Serial No. 167,520; published Mar. 20, 1923.
- Hupp Products Company, The, Columbus, Ohio. Rubber-composition floor covering. 170,046; July 10; Serial No. 175,196; published Apr. 10, 1923.
- Hygrade Provision Co. Inc., Brooklyn, N. Y. Meat products. 170,210; July 10; Serial No. 138,568; published Apr. 10, 1923.
- Ideal Roller & Manufacturing Co. Inc., Chicago, Ill. Rollers for printing presses, lithographic presses, etc. 170,010; July 10; Serial No. 172,678; published Apr. 3, 1923.

- Independent Paper Mills, Inc., Brooklyn, N. Y. Dispensing devices for paper towels, napkins, etc. 170,329; July 10; Serial No. 176,186; published Apr. 3, 1923.
- Indianapolis Tent & Awning Company, Indianapolis, Ind. Awnings and tarpaulins. 170,015; July 10; Serial No. 172,538; published Apr. 3, 1923.
- Jefferson Co. Inc., Richmond, Va. Vegetable shortening, lard substitute. 170,221; July 10; Serial No. 153,551; published Apr. 10, 1923.
- Jensen, Dr. Walter D., doing business as Bio-Chemic Laboratory, Taylor, Nebr. Remedy used for distemper in dogs. 169,986; July 10; Serial No. 167,943; published Apr. 10, 1923.
- Joannes Bros. Co., Green Bay, Wis. Canned vegetables, and fish, molasses, and fruit preserves. 170,282; July 10; Serial No. 172,745; published Apr. 17, 1923.
- Johns-Manville, Incorporated, New York, N. Y. Brake lining. 170,062; July 10; Serial No. 172,046; published Apr. 3, 1923.
- Johnston, Robert A., Co., doing business as Johnston's, Milwaukee, Wis. Candies. 170,160; July 10; Serial No. 169,715; published Apr. 3, 1923.
- Jones, Deborah A., New Bedford, Mass. Hair pomade, preparation for beautifying the hair, shampoo, etc. 170,121; July 10; Serial No. 163,991; published Mar. 27, 1923.
- Jordahn, Gus, Palm Beach, Fla. Inflatable swimming device or belt. 169,948; July 10; Serial No. 174,454; published Apr. 10, 1923.
- Juan Bautista Blancfort S. en C., La Garriga, Barcelona, Spain. Perforated music rolls for automatic pianos. 170,209; July 10; Serial No. 141,348; published Apr. 3, 1923.
- Kales Stamping Company, Detroit, Mich. Mirrors for motor vehicles. 170,013; July 10; Serial No. 172,597; published Apr. 3, 1923.
- Kappeler, Charles, St. Paul, Minn. Cow-hoof trimmers. 170,269; July 10; Serial No. 174,396; published Apr. 17, 1923.
- Karas, Kyriakos, Brooklyn, N. Y. Liquid preparation for internal use in the treatment of asthma. 169,978; July 10; Serial No. 166,836; published Apr. 10, 1923.
- Karlsruher Parfümerie- & Toiletteseifen-Fabrik F. Wolff & Sohn, G. m. b. H., Karlsruhe, Germany. Perfume, toilet water, hair tonic, etc. 169,999; July 10; Serial No. 152,758; published Apr. 3, 1923.
- Kayack, Frederick L., New York, N. Y. Salad dressing. 170,262; July 10; Serial No. 170,435; published Apr. 3, 1923.
- Keith, Geo. E., Company, Brockton, Mass. Leather boots and shoes. 170,219; July 10; Serial No. 152,760; published Apr. 3, 1923.
- Kimberly-Clark Company, Neenah, Wis. Book papers. 170,320-2; July 10; Serial Nos. 175,662-4; published Apr. 3, 1923.
- King, John P., Manufacturing Co., The, Augusta, Ga. Cotton piece goods. 170,357; July 10.
- King, Wm. C., Scott City, Kans. Medicine for treatment of tuberculosis, chronic coughs, colds, etc. 170,017; July 10; Serial No. 172,477; published Apr. 3, 1923.
- Kirk, Samuel, & Sons, Limited, Bradford, England. Piece goods composed of an admixture of wool and cotton. 169,989; July 10; Serial No. 132,052; published Apr. 3, 1923.
- Kirsch, H., & Co., Brooklyn, N. Y. Ginger ale, sarsaparilla, cream soda, celery, etc., beverages and sirups for making the same. 170,049; July 10; Serial No. 175,400; published Apr. 17, 1923.
- Klaine, Frank A., assignor to The F. A. Klaine Company, Cincinnati, Ohio. Cooking, heating, and gas stoves. 23,474; renewed Aug. 8, 1923.
- Kobolt, George C., Chicago, Ill. Manicure preparations. 170,033; July 10; Serial No. 173,711; published Apr. 10, 1923.
- Komdo Novelty Co., The, Mount Vernon, N. Y. Hosiery supporters. 170,091; July 10; Serial No. 170,201; published Apr. 3, 1923.
- Konoff, Assin, Toledo, Ohio. Composition soles and heels for footwear. 170,005; July 10; Serial No. 156,835; published Apr. 11, 1922.
- Krank, Alfred J., St. Paul, Minn. Hair dressing and dandruff remedy. 170,192-3; July 10; Serial Nos. 173,427-8; published Apr. 3, 1923.
- La Crosse Rubber Mills Co., doing business as Wisconsin Rubber Mills Co., La Crosse, Wis. Rubber boots and shoes. 170,087; July 10; Serial No. 170,489; published Apr. 3, 1923.
- Lady Janis Perfume Co., Chicago, Ill. Cold cream, complexion powder, perfume and toilet water. 170,028; July 10; Serial No. 173,652; published Apr. 10, 1923.
- Lam, Glines & Co., Inc., New York, N. Y. Tea. 170,078; July 10; Serial No. 167,187; published Apr. 3, 1923.
- Lamb, Thomas B., New York, N. Y. Handkerchiefs. 170,110; July 10; Serial No. 159,096; published Apr. 3, 1923.
- Lasher, Charles W., jr., doing business as The Art Label Company, Chicago, Ill. Display stands or easels. 170,271; July 10; Serial No. 174,251; published Apr. 10, 1923.
- Leggett, Francis H., & Company, New York, N. Y. Flavoring preparation for food products. 170,164; July 10; Serial No. 169,859; published Apr. 3, 1923.
- Lenapé Silk Company, East Stroudsburg, Pa. Broad silk goods in the piece. 170,044; July 10; Serial No. 175,089; published Apr. 10, 1923.
- Littooy, John F., Boise, Idaho. Calcium-caseinate spreader to be added to sprays. 170,135; July 10; Serial No. 161,263; published Apr. 10, 1923.
- Long's Hat Stores, New York, N. Y. Men's hats. 170,350-1; July 10.
- Lowry, Donald J., Pasadena, Calif. Lubricating oil and grease. 170,246; July 10; Serial No. 171,584; published Apr. 3, 1923.
- Lutz & Zuehlig, Manila, P. I. Cotton, silk, and woolen piece goods. 170,211-12; July 10; Serial Nos. 142,219-20; published Apr. 10, 1923.
- McBride, Joseph J., doing business as The Shoor-Patch Rubber Company, Philadelphia, Pa. Preparation of rubber for repairing automobile tires, etc. 170,358; July 10.
- McLaurin-Jones Co., Brookfield, Mass. Wrapping paper. 170,273; July 10; Serial No. 174,147; published Apr. 10, 1923.
- McCarthy, John C., doing business as The Ma-Lit-Ta Co., Norwood, Mass. Ointment for the treatment of piles, fistula, constipation, etc. 170,034; July 10; Serial No. 173,840; published Apr. 10, 1923.
- Madame Marie. (See Munson, Elizabeth M.)
- Magner, Charles T., Cleveland, Ohio. Dental suction plates. 169,982; July 10; Serial No. 167,779; published Apr. 10, 1923.
- Ma-Lit-Ta Co., The. (See McCarthy, John C.)
- Manhasset Manufacturing Company, Providence, R. I. Cotton fabric in the piece. 170,261; July 10; Serial No. 170,440; published Jan. 30, 1923.
- Mansfield Chemical Company, Chicago, Ill. Furniture and automobile polishes. 169,971; July 10; Serial No. 164,600; published Apr. 10, 1923.
- Marbletex Co., Inc., The, West Hoboken, N. J., and New York, N. Y. Silks, silk and cotton mixtures, cotton goods, linens, and draperies. 170,057; July 10; Serial No. 175,938; published Apr. 10, 1923.
- Marschat Import Co., Inc., New York, N. Y. Cologne waters, bath salts, face clays, etc. 170,081; July 10; Serial No. 167,530; published Apr. 3, 1923.
- Marshall Field & Company, Chicago, Ill. Sheets and pillowcases. 169,991; July 10; Serial No. 140,289; published Apr. 10, 1923.
- Marshall Field & Company, Chicago, Ill. Women's hosiery. 170,146; July 10; Serial No. 158,115; published Apr. 24, 1923.
- Marshall Field & Company, Chicago, Ill. Gingham in the piece. 170,337; July 10.
- Marstin, Clayton R., doing business as The Blazeout Company, Boston, Mass. Fire-extinguishing powders. 170,148; July 10; Serial No. 168,272; published Apr. 3, 1923.
- Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candies. 170,155; July 10; Serial No. 168,978; published Apr. 3, 1923.
- Maxson Automatic Machinery Company, The, Westerly, R. I. Machines for cutting, piling, etc., paper and other sheet material. 170,003; July 10; Serial No. 155,973; published Apr. 3, 1923.
- Med-A-Dent, Dental Specialties Company. (See Hatfield, Asa A.)
- Mellier Drug Company, St. Louis, Mo. Tonic and general stimulant. 17,784; renewed Apr. 15, 1920.
- Mell-O Packing Company. (See Burhop, Fred D.)
- Melville Shoe Corporation, New York, N. Y. Shoes. 170,095; July 10; Serial No. 169,406; published Apr. 10, 1923.
- Mentho Relief Company. (See Gallagher, Owen V.)
- Merkin, M. J., Paint Co. Inc., Long Island City, N. Y. Lead oil and zinc paint. 169,950; July 10; Serial No. 174,583; published Apr. 10, 1923.
- Metz, H. A., Laboratories, Inc., New York, N. Y. Astringents and mild antiseptics. 170,191; July 10; Serial No. 173,434; published Apr. 3, 1923.
- Metzger, W. H., doing business as W. H. Metzger Company, Bloomington, Ill. Exterminator for insects on plant life, trees, etc. 170,122; July 10; Serial No. 164,180; published Apr. 3, 1923.
- Metzger, W. H., Company. (See Metzger, W. H.)
- Mewhinney, A. B., Co. Inc., also doing business as Mewhinney's, Terre Haute, Ind. Chocolate-coated fudge bars. 170,139; July 10; Serial No. 162,564; published Apr. 10, 1923.
- Miami Manufacturing Co., Miami, Fla. Casement-window adjusters. 170,190; July 10; Serial No. 173,520; published Apr. 3, 1923.
- Michel, August, Elberta, Ala. Healing salve for sore and calloused feet. 170,189; July 10; Serial No. 173,521; published Apr. 3, 1923.
- Miller Petroleum Company, Kansas City, Mo. Kerosene. 170,053; July 10; Serial No. 175,673; published Apr. 10, 1923.
- Miller Petroleum Company, Kansas City, Mo. Naphtha. 170,181; July 10; Serial No. 176,200; published Apr. 10, 1923.
- Miltenberg, E., Inc., New York, N. Y. Paprika and spices. 170,153; July 10; Serial No. 169,407; published Apr. 3, 1923.
- Milwaukee Bag Co., Milwaukee, Wis. Cloth mailing bags. 170,300; July 10; Serial No. 176,638; published Apr. 10, 1923.

- Minck, George, New York, N. Y. Sheet-metal bill signs, advertising boards, and painted board signs. 170,100; July 10; Serial No. 169,136; published Apr. 10, 1923.
- Minnesota Stove Company, The, Minneapolis, Minn. Wood, coal, gas, oil, and vapor stoves, ranges, and furnaces. 170,265; July 10; Serial No. 106,453; published July 4, 1922.
- Moon Laboratories. (See O'Connor, Edward J.)
- Morgan, Neil E., Ogdensburg, N. Y. House-fly killer, a liquid roach killer, liquid mosquito killer and repellent, etc. 170,060; July 10; Serial No. 172,388; published Apr. 3, 1923.
- Munger, Louis de F., doing business as Four Way Company, Springfield, Mass. Telephone plugs. 170,024; July 10; Serial No. 173,576; published Apr. 3, 1923.
- Munson, Elizabeth M., doing business as Madame Marie, San Francisco, Calif. Almond massage cream, shaving and beauty lotions, etc. 170,084; July 10; Serial No. 168,057; published Apr. 3, 1923.
- Murphy Varnish Company, Newark, N. J. Varnishes, paint enamels, varnish stains. 170,224; July 10; Serial No. 154,986; published Apr. 10, 1923.
- Murray, R. W. & Co., South Boston, Mass. Malt extract. 170,040; July 10; Serial No. 174,970; published Apr. 10, 1923.
- N. V. National Perfumery Company, Amsterdam, Netherlands. Cologne and toilet waters, perfumes, etc. 170,206; July 10; Serial No. 173,294; published Mar. 27, 1923.
- Nathan & Cohen Co., Inc., New York, N. Y. Cotton goods in the piece. 170,317; July 10; Serial No. 175,509; published Apr. 3, 1923.
- National Chemical Company. (See Hunter, R. William.)
- National Fireworks Manufacturing Company, The, Boston and West Hanover, Mass. Fireworks. 170,131; July 10; Serial No. 158,942; published Apr. 10, 1923.
- National Kellastone Co., Chicago, Ill. Building cement and stucco. 170,126; July 10; Serial No. 155,028; published Aug. 29, 1922.
- Nettle-Baell Hinkle, Shreveport, La. Medicinal preparation used in the treatment of carbuncles, boils, old sores, etc. 170,065; July 10; Serial No. 171,844; published Mar. 27, 1923.
- Neuss, Hesslein & Co., Inc., New York, N. Y. Woven gray, bleached, printed, and dyed cotton piece goods. 169,958; July 10; Serial No. 174,667; published Apr. 10, 1923.
- Newell, Carroll D., New York, N. Y. Yarn. 169,973; July 10; Serial No. 165,756; published Jan. 9, 1923.
- New England Confectionery Company, Boston, Mass. Candy. 170,001; July 10; Serial No. 154,812; published Apr. 3, 1923.
- New England Confectionery Company, Boston, Mass. Candy. 170,002; July 10; Serial No. 154,815; published Apr. 3, 1923.
- Newman, John J., doing business as J. J. Newman Co., Los Angeles, Calif. Corn plasters. 170,036; July 10; Serial No. 173,851; published Apr. 10, 1923.
- Newport Company, The, Carrollville, Wis. Turpentine substitutes. 170,055; July 10; Serial No. 175,940; published Apr. 10, 1923.
- New Process Company, Warren, Pa. Portfolios (brief cases). 170,304; July 10; Serial No. 176,496; published Apr. 10, 1923.
- New Process Company, Warren, Pa. Men's suitcases. 170,305-6; July 10; Serial Nos. 176,494-5; published Apr. 10, 1923.
- Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 170,029; July 10; Serial No. 173,665; published Apr. 10, 1923.
- Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 170,030; July 10; Serial No. 173,662; published Apr. 10, 1923.
- New York Belting and Packing Company, New York, N. Y. Belting made of rubber and fabric. 170,312; July 10; Serial No. 175,320; published Apr. 3, 1923.
- New York Belting and Packing Company, New York, N. Y. Belting made of rubber and fabric. 170,313; July 10; Serial No. 175,322; published Apr. 3, 1923.
- Nickels, Cathrine, Philadelphia, Pa. Preparation for the alleviation of baldness and the restoration and preservation of the hair. 170,019; July 10; Serial No. 172,431; published Mar. 27, 1923.
- Niles Tool Works Company, The, New York, N. Y. Hydraulic presses, axle lathes, boring and turning mills, etc. 170,336; July 10.
- Nolen, Apiaries, The. (See Nolen, Lawrence R.)
- Nolen, Lawrence R., doing business as The Nolen Apiaries, Kerens, Tex. Honey. No. 170,156; July 10; Serial No. 169,072; published Apr. 3, 1923.
- Nyros Steel Company, Philadelphia, Pa. Liquid used in heat-treating steel. 170,264; July 10; Serial No. 170,400; published Apr. 3, 1923.
- O'Connor, Edward J., doing business as Moon Laboratories, St. Louis, Mo. Toilet preparations. 170,257; July 10; Serial No. 170,947; published Mar. 20, 1923.
- Oklahoma Publishing Company, The, Oklahoma, Okla. Daily newspaper. No. 170,041; July 10; Serial No. 174,973; published Apr. 17, 1923.
- Oklahoma Publishing Company, The, Oklahoma, Okla. Daily newspaper. 170,045; July 10; Serial No. 175,152; published Apr. 17, 1923.
- Old Dutch Mills, Inc., New York, N. Y. Coffee. 170,220; July 10; Serial No. 153,256; published Dec. 5, 1922.
- Oval Wood Dish Corporation, Tupper Lake, N. Y. Wooden plates. 170,180; July 10; Serial No. 176,204; published Apr. 10, 1923.
- Paramount Paint & Varnish Co., Philadelphia, Pa. Ready-mixed paint. 170,047; July 10; Serial No. 175,208; published Apr. 10, 1923.
- Paramount Paint & Varnish Co., Philadelphia, Pa. White paint enamel. 170,048; July 10; Serial No. 175,209; published Apr. 19, 1923.
- Parfumerie Caron. (See Daltroff, E., & Cie.)
- Paul, Israel, doing business as Russpharmaco Products Co., Philadelphia, Pa. Medicine for the treatment of the blood and stomach. 170,082; July 10; Serial No. 167,533; published Apr. 3, 1923.
- Peninsular Paper Company, Ypsilanti, Mich. Cover paper. 170,333; July 10.
- Penn Paste Milling Company, Wilkes-Barre, Pa. Dry pastes. 170,134; July 10; Serial No. 160,255; published Apr. 10, 1923.
- Penn Tobacco Company, Wilkes-Barre, Pa. Cigarettes. 169,959; July 10; Serial No. 174,702; published Apr. 10, 1923.
- Peoples Drug Stores, Inc., Washington, D. C. Cigars. 170,107; July 10; Serial No. 157,690; published Apr. 3, 1923.
- Peppers, Thomas H., Los Angeles, Calif. Fresh cantaloupes. 170,118; July 10; Serial No. 162,949; published Apr. 3, 1923.
- Perolin Fabrikationsgesellschaft m. b. H., Vienna, Austria. Ethereal oils and essences for deodorizing and purifying the air. 170,215; July 10; Serial No. 146,780; published Apr. 10, 1923.
- Perry, David, Dallas, Tex. Oil burners. 170,225; July 10; Serial No. 154,458; published Jan. 9, 1923.
- Peters Manufacturing Company, Boston, Mass. Shoe fabrics. 170,179; July 10; Serial No. 176,209; published Apr. 10, 1923.
- Petroleum Export Corporation, Los Angeles, Calif. Kerosene and gasoline and lubricating oil. 170,175; July 10; Serial No. 176,211; published Apr. 10, 1923.
- Petroleum Export Corporation, Los Angeles, Calif. Gasoline, kerosene, lubricating oil, and gas oil. 170,178; July 10; Serial No. 176,210; published Apr. 10, 1923.
- Pfeiffer, S., Mfg. Co., St. Louis, Mo. Medicinal preparation for the treating of croup, colds, and inflammation. 170,205; July 10; Serial No. 173,207; published Mar. 27, 1923.
- Philipps Aktien-Gesellschaft, Frankfurt-on-the-Main, Germany. Electrical lamps, electromotors, dynamos, etc. 170,217; July 10; Serial No. 150,286; published Apr. 3, 1923.
- Pickering, Joseph, & Sons, assignor to Joseph Pickering & Sons, Limited, Sheffield, England. Preparation for whitening and coloring buckskin leather. 18,578; renewed Nov. 4, 1920.
- Pittsburgh Oil Refining Corporation, Baltimore, Md. Lubricant or grease for gear cases of automobiles. 170,213; July 10; Serial No. 144,423; published Sept. 19, 1922.
- Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints. 170,296; July 10; Serial No. 175,518; published Apr. 17, 1923.
- Pittsburgh Plate Glass Company, Pittsburgh, Pa. Varnish. 170,318; July 10; Serial No. 175,517; published Apr. 3, 1923.
- Platt's, Chicago, Ill. Hosiery. 170,143; July 10; Serial No. 163,170; published Apr. 10, 1923.
- Plumb, Fayette R., Incorporated, Philadelphia, Pa. Files. 170,069; July 10; Serial No. 165,504; published Apr. 10, 1923.
- Poe Chemical Company. (See Bryant, Frank H.)
- Polar Cake Co., Denver, Colo. Edible article of manufacture or sweetmeat preferably composed of ice cream and cake incased in a chocolate coating. 170,120; July 10; Serial No. 163,944; published Dec. 6, 1922.
- Poor, Charles L., Co., New York, N. Y. Cotton piece goods. 170,183; July 10; Serial No. 176,035; published Apr. 10, 1923.
- Poor, Charles L., Co., New York, N. Y. Cotton piece goods. 170,184; July 10; Serial No. 176,038; published Apr. 10, 1923.
- Postex Cotton Mills, Post, Tex. Cotton piece goods, pillowcases, and sheets. 170,344; July 10.
- Post-Time Publishing Co., Inc., New York, N. Y. Tri-weekly and daily publication. 170,050; July 10; Serial No. 175,323; published Apr. 17, 1923.
- Prairie Remedy Co., Batavia, Ill. Stock and poultry tonics and conditioners. 170,214; July 10; Serial No. 146,397; published Apr. 10, 1923.
- Progress Paint Mfg. Co., Louisville, Ky. Wagon paint, fiber roof paint, varnish, paint enamel, etc. 170,293; July 10; Serial No. 176,043; published Apr. 17, 1923.
- Promo Products Co. (See Clifford, Charles T. H.)
- Purdue, Frederick Company, The, New York, N. Y. Tonic compound. 23,794; renewed Nov. 7, 1923.
- Pyro Clay Products Company, The, Oak Hill, Ohio. Refractory materials. 170,216; July 10; Serial No. 148,891; published Jan. 24, 1922.
- R. C. Importation Corporation, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 170,231; July 10; Serial No. 173,857; published Apr. 3, 1923.
- R. E. D. Mfg. Co., The. (See Douglas, Richard.)

- Radiola Wireless Corporation, The, New York, N. Y. Radio crystals. 170,101; July 10; Serial No. 168,786; published Apr. 3, 1923.
- Reese Chemical Co., The, Cleveland, Ohio. Prophylactic remedy. 170,127; July 10; Serial No. 155,122; published Apr. 10, 1923.
- Remien & Kuhnert Co., Chicago, Ill. Varnishes. 170,055; July 10; Serial No. 175,885; published Apr. 10, 1923.
- Republic Photographic Corporation, Ferguson, Mo. Sensitized photographic paper. 170,239; July 10; Serial No. 174,336; published Apr. 3, 1923.
- Reynolds, James R., doing business as Soldiers Bonus Products Co., Chicago, Ill. Beverages sold as soft drinks and sirups used in the preparation of same. 170,290; July 10; Serial No. 176,217; published Apr. 17, 1923.
- Richter, Julius, doing business as Globe Import Co., New York, N. Y. Scissors and pocketknives. 170,159; July 10; Serial No. 169,517; published Apr. 10, 1923.
- Rochelle Lace Works. (See Baechtold, Herman.)
- Rodriguez, Salvador, New York, N. Y. Cigars. 170,187; July 10; Serial No. 178,360; published May 8, 1923.
- Rogers & Hubbard Company, The, Portland, Conn. Fertilizers. 170,076; July 10; Serial No. 166,713; published Apr. 3, 1923.
- Rogers, Joel H., doing business as Rogers Bracket Company, Jacksonville, Fla. Curtain brackets. 170,260; July 10; Serial No. 170,729; published Apr. 3, 1923.
- Rollaway Motor Company, The, Toledo, Ohio. Automobile steering-gear-control wheels. 170,140; July 10; Serial No. 162,853; published Apr. 10, 1923.
- Rossendale Belting Company, assignor to Rossendale-Reddaway Belting & Hose Company, Newark, N. J. Driving belts. 19,470; renewed May 12, 1921.
- Rost, H., & Company. (See Stahel, Edward P. & Co., assignors.)
- Rubin Bros. Foot-Wear, New York, N. Y. Leather, cloth, and fabric shoes and slippers and cloth spats. 170,093; July 10; Serial No. 169,826; published Apr. 3, 1923.
- Rubin Bros. Foot-Wear, New York, N. Y. Shoes, slippers, and cloth spats. 170,163; July 10; Serial No. 169,827; published Mar. 6, 1923.
- Russpharmaco Products Co. (See Paul, Israel.)
- Sackett, H. B., Screen & Chute Company, Chicago, Ill. Scoops, shovels, and steel chutes. 170,018; July 10; Serial No. 172,443; published Apr. 10, 1923.
- Salember & Clay, Inc., New York, N. Y. Silk goods in the piece. 170,185; July 10; Serial No. 176,045; published Apr. 10, 1923.
- Schneider, Emil D., doing business as Gintone Laboratories, Memphis, Tenn. Tonic for use upon the scalp or skin. 170,254; July 10; Serial No. 171,140; published Apr. 3, 1923.
- Scholl, Wesley L., doing business as The Solloff Company, Eldorado, Kans. Preparation to be applied to linen collars. 170,331; July 10.
- Schrafft, W. F., & Sons Corporation, Boston, Mass. Candies. 170,113; July 10; Serial No. 159,327; published Apr. 3, 1923.
- Schwed, Bertie S., Far Rockaway, N. Y. Sewing case. 170,202; July 10; Serial No. 173,010; published Apr. 3, 1923.
- Scripture, Arthur P., New York, N. Y. Steel bars and billets. 170,314; July 10; Serial No. 175,328; published Apr. 3, 1923.
- Sea Coast Packing Co., Seattle, Wash. Canned salmon. 170,103; July 10; Serial No. 168,647; published Apr. 10, 1923.
- Semel, J. H., & Co., New York, N. Y. Children's knit underwear. 170,145; July 10; Serial No. 163,653; published Apr. 10, 1923.
- Semet-Solvay Company, Solvay, N. Y. Organic and inorganic chemicals. 170,279; July 10; Serial No. 173,251; published Apr. 10, 1923.
- Service Sales Agency. (See Curtiss, Lloyd, assignor.)
- Shapiro, Louis, doing business as Louis Shapiro & Co., Mount Vernon, N. Y. Men's ready-made suits and overcoats. 170,142; July 10; Serial No. 163,117; published Apr. 3, 1923.
- Sharp & Dohme, Baltimore, Md. Suppurative medicinal powder. 170,247; July 10; Serial No. 171,596; published Apr. 3, 1923.
- Shaw Mfg. Co., Oak Park, Ill. Spark plugs. 170,341; July 10.
- Sherwood Petroleum Company, Inc., Brooklyn, N. Y. White mineral oil for medicinal purposes. 170,198-9; July 10; Serial Nos. 173,368-9; published Apr. 3, 1923.
- Shields, Burton T., doing business as Shields and Hopkins Company, Indianapolis, Ind. Periodical publications. 169,965; July 10; Serial No. 174,927; published Apr. 17, 1923.
- Shirek & Hirsch, New York, N. Y. Men's, women's, and children's outer garments. 170,117; July 10; Serial No. 162,464; published Oct. 10, 1922.
- Shoor-Patch Rubber Company. (See McBride, Joseph J.)
- Shults Ointment Company. (See Hinkson, Andrew H.)
- Siegbert, Louis, & Bro., New York, N. Y. Cotton piece goods. 170,235; July 10; Serial No. 174,037; published Apr. 3, 1923.
- Sierra Chemical Company, Los Angeles, Calif. Water-softening compound. 170,004; July 10; Serial No. 156,721; published Mar. 6, 1923.
- Simonson, Wilmot H., Medford, Mass. Filling for puddings, pies, and layer cakes. 170,099; July 10; Serial No. 169,186; published Apr. 10, 1923.
- Sischo, Kittle F., San Monica, Calif. Dolls. 170,154; July 10; Serial No. 168,651; published Apr. 3, 1923.
- Smith, J., Elmer, doing business as Claresa Chemical Works, Irwin, Pa. Furniture polish. 170,319; July 10; Serial No. 175,529; published Apr. 3, 1923.
- Smith, Paulding, Philadelphia, Pa. Leather heel protectors. 170,359; July 10.
- Snappy Sales Co., St. Louis, Mo. Supports for telephone cords, electric-iron cords, etc. 170,022; July 10; Serial No. 173,539; published Apr. 3, 1923.
- Societe Anonyme la Biotherapie (Societe Anonyme de Produits Chimiques Biologiques et d'Hygiene), Paris, France. Antiseptic and prophylactic tablets for the remedy and prevention of diseases. 170,249; July 10; Serial No. 171,290; published Mar. 27, 1923.
- Society Club Beverage Corporation, Newark, N. J. Beverages sold as soft drinks and sirups for making the same. 170,051; July 10; Serial No. 175,411; published Apr. 17, 1923.
- Solloff Company, The. (See Scholl, Wesley L.)
- Soldiers Bonus Products Co. (See Reynolds, James R.)
- Southard, Thos., Poultry Supply Co., Kansas City, Mo. Remedy for colds, roup, canker, cholera, etc., diseases in poultry. 169,980; July 10; Serial No. 167,337; published Apr. 10, 1923.
- Stahel, Edward P., & Co., New York, N. Y., assignors to H. Rost & Company, Hamburg, Germany. Rubber tissue for reinforcing, stiffening, and waterproofing parts of garments, etc. 170,244; July 10; Serial No. 174,676; published Apr. 10, 1923.
- Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 170,303; July 10; Serial No. 176,506; published Apr. 10, 1923.
- Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 170,325-6; July 10; Serial Nos. 175,959-60; published Apr. 3, 1923.
- Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 170,327; July 10; Serial No. 175,965; published Apr. 3, 1923.
- Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 170,328; July 10; Serial No. 175,968; published Apr. 3, 1923.
- Standard Paper Company, Kalamazoo, Mich. Paper cartons. 170,302; July 10; Serial No. 176,659; published Apr. 10, 1923.
- Standard Paper Manufacturing Co., Richmond, Va. Blotters. 170,116; July 10; Serial No. 161,283; published Apr. 3, 1923.
- Standard Tent & Awning Company, The, Toledo, Ohio. Men's working pants, overalls, jumpers, etc. 170,335; July 10.
- Stanley Glidden Co., Inc., Boston, Mass. Rubber tires, tubes, patches, hose, etc. 170,207; July 10; Serial No. 121,766; published Apr. 10, 1923.
- Stebbins, E., Manufacturing Company, Springfield, Mass. Quick-compression bibs. 170,238; July 10; Serial No. 174,271; published Apr. 3, 1923.
- Steiger, Ernest, New York, N. Y. Kindergarten material. 170,223; July 10; Serial No. 154,769; published Apr. 10, 1923.
- Stout, A. L., & Co., Indianapolis, Ind., and New York, N. Y. Piston rods. 170,270; July 10; Serial No. 174,345; published Apr. 17, 1923.
- Strasenburgh, R. J., Company, Rochester, N. Y. Tonic for use in connection with convalescence, anæmia, etc. 170,031; July 10; Serial No. 173,686; published Apr. 10, 1923.
- Stubbs, India K., Monroe, La. Dolls and contortional figures. 169,960; July 10; Serial No. 174,707; published Apr. 10, 1923.
- Sudermann & Co., New York, N. Y. General tonic. 170,111; July 10; Serial No. 159,772; published Mar. 20, 1923.
- Supreme Orient O. O. H. & P., Schenectady, N. Y. Letterheads, envelopes, report blanks, etc. 169,998; July 10; Serial No. 145,597; published Apr. 3, 1923.
- Sussfeld, Lorsch & Schimmel, New York, N. Y. Ophthalmic-lens blanks. 170,291; July 10; Serial No. 176,766; published Apr. 17, 1923.
- Sussfeld, Lorsch & Schimmel, New York, N. Y. Ophthalmic lenses and blanks. 170,292; July 10; Serial No. 176,767; published Apr. 17, 1923.
- Symbolox Box Co. (See Conley, Frederick T.)
- Tate, Norman E., Amarillo, Tex. Veterinary medicine, being a blistering agent. 170,149; July 10; Serial No. 168,287; published Mar. 20, 1923.
- Tee Pee Rubber Company, Inc., New York, N. Y. Rubber heels. 170,096; July 10; Serial No. 169,372; published Apr. 3, 1923.
- Thomas & Betts Co., The, Elizabeth, N. J. Couplings for elastic conduits. 170,342; July 10.
- Thomas, Howard D., Seattle, Wash. Electric switches. 170,346; July 10.
- Tiffany Manufacturing Company, Newark, N. J. Ammeters. 170,330; July 10.
- Timson, Frederick H., Boston, Mass. Gaiters of leather, fabric, and combination. 170,161; July 10; Serial No. 169,731; published Apr. 3, 1923.

- Tin Decorating Company of Baltimore, The, Baltimore, Md. Receptacles for gloves, handkerchiefs, lingerie, and sewing materials. 170,114; July 10; Serial No. 160,165; published Apr. 3, 1923.
- Tingue, Brown & Co., New York, N. Y. Laundry bags. 170,226; July 10; Serial No. 174,758; published Apr. 3, 1923.
- Tinnerman, A. H., doing business as Tinnerman Stove & Range Co., Cleveland, Ohio. Gas and combination coal and gas ranges and gas coal heaters. 170,098; July 10; Serial No. 169,261; published Apr. 10, 1923.
- Trico Products Corporation, Buffalo, N. Y. Mirrors for vehicles, windshield wings, shock absorbers, etc. 170,258; July 10; Serial No. 170,910; published Apr. 3, 1923.
- Tsout Remedy Co. (See Holzman, Samuel.)
- Tubette Manufacturing Company. (See Crumley, C. V.)
- U. S. Sewing Thread Co. (See Chertoff, N., Inc.)
- Union Cutlery Co., Olean, N. Y. Razors. 170,298; July 10; Serial No. 175,033; published Apr. 17, 1923.
- Union Paper Company, New York, N. Y. Paper cans. 170,356; July 10.
- United & Globe Rubber Company, Trenton, N. J. Brake linings. 169,997; July 10; Serial No. 144,166; published Apr. 26, 1921.
- United Retail Candy Stores, Inc., New York, N. Y. Candy. 169,992; July 10; Serial No. 140,358; published Mar. 22, 1921.
- United States Printing Company, The, assignor to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 23,782; renewed Nov. 7, 1923.
- Utility Fittings Company. (See Brunner, Lamar F.)
- Vincent, Sidney C., Baltimore, Md. Toy alarm clocks or watches. 169,962; July 10; Serial No. 174,804; published Apr. 10, 1923.
- Vitalis Products, Incorporated, Los Angeles, Calif. Batteries. 170,133; July 10; Serial No. 159,735; published June 13, 1922.
- Voorhees Rubber Mfg. Co., Jersey City, N. J. Hose, belting, and packing made of rubber, etc. 170,255; July 10; Serial No. 171,003; published Apr. 3, 1923.
- Vulcan Manufacturing Company, Kansas City, Mo. Clothes-washing machines. 170,343; July 10.
- Walker Stetson Company, Boston, Mass. Underwear and gloves. 170,332; July 10.
- Walter Reed General Hospital, Washington, D. C. Weekly periodical. 170,272; July 10; Serial No. 174,189; published Apr. 17, 1923.
- Warner, Charles, Company, Wilmington, Del. Hydrated lime. 170,222; July 10; Serial No. 154,344; published Apr. 10, 1923.
- Washington Embroidery Co., New York, N. Y. Pillowcases, bolster cases, bed sheets, shams, scarfs, table covers, and napkins. 169,963; July 10; Serial No. 174,805; published Apr. 10, 1923.
- Waterville Textile Mills, Inc., Waterville, N. Y. Children's underwear. 170,073; July 10; Serial No. 166,210; published Dec. 12, 1922.
- Watson & Aven, Little Rock, Ark. Ice cream. 170,157; July 10; Serial No. 169,343; published Apr. 3, 1923.
- Weidner, Paul R., Woburn, Mass. Canned fruits and vegetables, dried fruits, fruit preserves, etc. 170,150; July 10; Serial No. 168,343; published Apr. 3, 1923.
- Weldit Company, Washington, D. C. Preheating torches. 170,077; July 10; Serial No. 166,965; published Apr. 3, 1923.
- Wendling, George X., San Francisco, Calif. Wall section consisting of connected wood slats forming a closure or wall for a box or crate. 170,349; July 10.
- Western Bottle Manufacturing Company, also doing business as The Western Company, Chicago, Ill. Handkerchiefs. 170,182; July 10; Serial No. 176,144; published Apr. 10, 1923.
- Western Bottle Manufacturing Company, also doing business as The Western Company, Chicago, Ill. Handkerchiefs. 170,186; July 10; Serial No. 176,139; published Apr. 10, 1923.
- Western Cartridge Company, East Alton and Springfield, Ill., assignor to Western Cartridge Company. Shot shells. 169,970; July 10; Serial No. 164,285; published Apr. 3, 1923.
- Western Company, The. (See Western Bottle Manufacturing Company.)
- Wheaton, Hiram, & Sons, assignors to Hiram Wheaton & Sons, Inc., New Bedford, Mass. Carbonated beverages. 22,778; renewed Apr. 11, 1923.
- White Rock Mineral Spring Company, assignor to White Rock Mineral Springs Company, Waukesha, Wis. Mineral water, ginger ale, phosphate, ozonate, and carbonated beverages. 23,873; renewed Nov. 28, 1923.
- Whiting Paper Company, Holyoke, Mass. Writing and printing paper and envelopes. 170,347-8; July 10.
- Wiegel Candy Co., Tacoma, Wash. Candy. 169,968; July 10; Serial No. 164,017; published Apr. 10, 1923.
- Wiggin, Henry, & Company Limited, Parade, Birmingham, England. Resistance wires of copper, nickel, iron, or of combinations or alloys of these metals. 170,090; July 10; Serial No. 170,345; published Apr. 17, 1923.
- Wiggin, Henry, & Company Limited, Parade, Birmingham, England. Nickel-chrome-steel alloy. 170,284; July 10; Serial No. 172,709; published Apr. 17, 1923.
- Wiggin, Henry, & Company Limited, Parade, Birmingham, England. Nickel-chrome alloy. 170,285; July 10; Serial No. 172,706; published Apr. 17, 1923.
- Wile, Julius, Sons & Co., New York, N. Y. Oilcloth. 170,054; July 10; Serial No. 175,829; published Apr. 3, 1923.
- Willamette Valley Canneries, Inc., Portland, Oreg. Canned fruits and vegetables. 169,981; July 10; Serial No. 167,443; published Apr. 10, 1923.
- Williams, Jno. G., Widener, Ark. Medicinal preparation in the nature of a purgative and liver medicine. 170,104; July 10; Serial No. 168,626; published Apr. 10, 1923.
- Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 170,168-9; July 10; Serial Nos. 176,389-90; published Apr. 17, 1923.
- Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 170,309; July 10; Serial No. 176,391; published Apr. 17, 1923.
- Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 170,353; July 10.
- Wills, George, and Sons, Ltd., London, England, and San Francisco, Calif. Hosiery. 169,967; July 10; Serial No. 163,722; published Apr. 3, 1923.
- Wilson, Marie L., Atlantic City, N. J. Corn salve. 169,972; July 10; Serial No. 165,251; published Apr. 10, 1923.
- Winter Machine Company, Pawtucket, R. I. Refrigerating and ice-making apparatus. 169,995; July 10; Serial No. 145,864; published Apr. 3, 1923.
- Wisconsin Rubber Mills Co. (See La Crosse Rubber Mills Co.)
- Wood Hydraulic Hoist & Body Company, Detroit, Mich. Hydraulic hoists and their parts. 170,066; July 10; Serial No. 173,801; published Apr. 10, 1923.
- Wortendyke Manufacturing Co., Richmond, Va. Toilet paper and paper towels. 170,252; July 10; Serial No. 171,192; published Apr. 3, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- Ajello, Romeo C., Brooklyn, N. Y. Romolo. For Macaroni. 26,161; July 10.
- Apex Chocolate Company, doing business as Belle Rose Chocolates Co., Cambridge, Mass. Sweethome Chocolates. For Chocolates. 26,162; July 10.
- Belle Rose Chocolates Co. (See Apex Chocolate Company.)
- Block-Walsh Corporation, New York, N. Y. The Mystic Finger. For a Toy. 26,163; July 10.
- Burgess Battery Company, Madison, Wis. Burgess 'A' Battery. For Electric Batteries. 26,164; July 10.
- Darrah, Lydia, Candy Shops, Inc., Minneapolis, Minn. Lydia Darrah. For Candy. 26,165; July 10.
- Fortune Products Company, Chicago, Ill. Fortune Shells. For Macaroni. 26,166; July 10.
- Foster Lumber Company, Kansas City, Mo. Sunflower. For Roofing. 26,167; July 10.
- Gary, Theo. H., Co., New York, N. Y. Hair Net. For Hair Nets. 26,168; July 10.
- Glynn Canning Company, Brunswick, Ga. Glynco Brand Shrimp. For Canned Shrimp. 26,169; July 10.
- Gradiatz, Annis & Co., Tampa, Fla. Don Julian Tampa Whiffs. For Cans and Boxes Containing Cigars. 26,170; July 10.
- Heller, B., & Company, Chicago, Ill. Mello-Freeze. For a Preparation for Use in Improving Ice Cream and in Conditioning the Ice-Cream Mix. 26,171; July 10.
- Heller, B., & Company, Chicago, Ill. Heller's Fancy-Pastry Dessert Powder. For a Preparation for Use in Making Desserts. 26,172; July 10.
- Hoye, Stephen M., doing business as Holly Products Co., Brooklyn, N. Y. Hoye's Sparkling Whisko. For Beverages. 26,173. July 10.
- Holly Products Co. (See Hoye, Stephen M.)
- Interlake Tissue Mills Co. Ltd., Merrittton, Ontario, Canada. Interlake. For Toilet Paper. 26,174; July 10.
- Interlake Tissue Mills Co. Ltd., Merrittton, Ontario, Canada. Blue Bird. For Toilet Paper. 26,175; July 10.
- Interlake Tissue Mills Co. Ltd., Merrittton, Ontario, Canada. White Cross. For Toilet Paper. 26,176; July 10.
- Jordan Marsh Company, Boston, Mass. Copley, The Men's Store of New England, a Separate Store in a Separate Building. For Men's Stockings and Socks. 26,177; July 10.
- Jordan Marsh Company, Boston, Mass. Copley, The Men's Store of New England, a Separate Store in a Separate Building. For Men's Vests. 26,178; July 10.

- Jordan Marsh Company, Boston, Mass. Copley, The Men's Store of New England, a Separate Store in a Separate Building. For Men's Sweaters. 26,179; July 10.
- Keagy, Martin L., doing business as Lion Chemical Laboratories, Canton, Ohio. Bunny Cleaner. For a Water Softener and Washing Power. 26,180; July 10.
- Kelp Water Company. (See Morriss, Herbert A.)
- Lion Chemical Laboratories. (See Keagy, Martin L.)
- Loveless, Samuel E., Chicago, Ill. I-S. For Bread. 26,181. July 10.
- Morriss, Herbert A., doing business as Kelp Water Company, Minneapolis, Minn. Kelp Iodized Water. For Medical Preparation. 26,182; July 10.
- National Carbon Company, Inc., New York, N. Y. 3 Cell Eveready Flashlight Battery. For Electric Batteries. 26,183; July 10.
- National Music Lovers, Inc., New York, N. Y. Dance Series No. 1. For Talking-Machine Sound Records. 26,184; July 10.
- Norris Inc., Atlanta, Ga. The Variety Box. For Candy. 26,185; July 10.
- Pabst Corporation, Milwaukee, Wis. The Best Tonic. For General Medicinal Tonic. 26,186; July 10.
- Pabst Corporation, Milwaukee, Wis. Pabst Malt Syrup. For Malt Sirup. 26,187; July 10.
- Pabst Corporation, Milwaukee, Wis. Artesia. For Table Water. 26,188; July 10.
- Pabst, Fred, Company, Milwaukee, Wis. The Best Nipple. For Pipe Nipples. 26,189; July 10.
- Package Paper & Supply Corporation, Springfield, Mass. Daily Bread. For Bread. 26,190; July 10.
- Rawleigh, W. T., Company, The, Freeport, Ill. Rawleigh's Good Health Talcum. For Talcum. 26,191; July 10.
- Realneed Products Co., Harrisburg, Pa. Oxidene. For Powder for Malodorous, Galled, Calloused, Cracked, or Sore Feet, Body-Perspiration Odors, Sunburn, and Prickly Heat. 26,192; July 10.
- Reckord Bros., Belair, Md. Reckord Brand Tomatoes. For Cans Containing Tomatoes. 26,193; July 10.
- Reckord Bros., Belair, Md. Susquehanna Brand Tomatoes. For Cans Containing Tomatoes. 26,194; July 10.
- Regensteiner Corporation, The, Chicago, Ill. Muh-Juhng. The Great Chinese Game. For Game Devices for Playing the Said Chinese Game. 26,195; July 10.
- Reynolds, Wm. T., & Co. Inc., Poughkeepsie, N. Y. Reynolds' Reliance. For Coffee. 26,196; July 10.
- Rich Brothers Cereal Company, Cedar Rapids, Iowa. Rich's Best. For Rolled Oats. 26,197; July 10.
- Rieser Company, The, New York, N. Y. Penela. For Hair Nets. 26,198; July 10.
- Rieser Company, The, New York, N. Y. Rovina. For Hair Nets. 26,199; July 10.
- Santa Margarita Valley Gardens Association, Atascadero, Calif. Better Berries Grown in Santa Margarita Valley Gardens. For Fresh Berries. 26,200; July 10.
- Sharp, Edward, & Sons Ltd., Maidstone, England. Sharp's Super-Kream Toffee. For Toffee. 26,201; July 10.
- Sun-Maid Raisin Growers, Fresno, Calif. Sun-Maid Raisinut Chocolates. For Boxes Containing Chocolates. 26,202-4; July 10.
- Tuberosum Pyorrhea Co., The, Broken Bow, Okla. Dr. A. Peters' Tuberosum Pyorrhea Remedy. For Bottles Containing the Liquid. 26,205; July 10.
- TuT Manufacturing Company. (See Vaughan, Mabel E.)
- Vaughan, Mabel E., doing business as TuT Manufacturing Company, Birmingham, Mich. TuT. For Non-alcoholic Beverages. 26,206; July 10.
- Waldes & Company, Inc., Long Island City, N. Y. Waldes Trusty. For Cards Containing Snap Fasteners. 26,207; July 10.
- Western Tablet and Stationery Company, St. Joseph, Mo. Personality Linen. For Boxes Containing Stationery. 26,208; July 10.
- Woolley, Daniel P., New York, N. Y. Tender Crust. For Bread. 26,209; July 10.
- Woolley, Daniel P., New York, N. Y. Live Long. For Bread. 26,210; July 10.
- Woolley, Daniel P., New York, N. Y. Lady Betty. For Bread. 26,211; July 10.
- Woolley, Daniel P., New York, N. Y. Betty Brown. For Bread. 26,212; July 10.
- Woolley, Daniel P., New York, N. Y. Balanced. For Bread. 26,213; July 10.
- Woolley, Daniel P., New York, N. Y. Likaslice. For Bread. 26,214; July 10.
- Woolley, Daniel P., New York, N. Y. Extra Fine. For Bread. 26,215; July 10.
- Woolley, Daniel P., New York, N. Y. Superfine. For Bread. 26,216; July 10.
- Woolley, Daniel P., New York, N. Y. Home Kraft. For Bread. 26,217; July 10.
- Woolley, Daniel P., New York, N. Y. Sally Brown. For Bread. 26,218; July 10.
- Woolley, Daniel P., New York, N. Y. Finetex. For Bread. 26,219; July 10.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

- American Optical Company, Southbridge, Mass. Wellsworth Glasses, All that Science can give, all that Artistry can add. For Spectacles and Eyeglasses. 6,787; July 10.
- B. V. D. Company, The, New York, N. Y. Getting the most out of life. For Athletic Underwear. 6,788; July 10.
- B. V. D. Company, Inc. The, New York, N. Y. The Label Shows the Way to 'B. V. D.' For Athletic Underwear. 6,789; July 10.
- B. V. D. Company, Inc., The, New York, N. Y. What Is 'B. V. D.'? For Athletic Underwear. 6,790; July 10.
- Consumers Distributing Co., The, Pittsburgh, Pa. Little Stories of Success. For Vanilla Extracts. 6,791; July 10.
- Eaton, Crane & Pike Company, Pittsfield, Mass. You wouldn't drink from your saucer. For Papeteries. 6,792; July 10.
- Emery & Beers Company, Inc., assignor to Onyx Hosiery, Inc., New York, N. Y. "Onyx" Hosiery. For Hosiery. 6,793-5; July 10.
- Fair, The, Chicago, Ill. The Ace of Golf Balls. For Golf Balls. 6,796; July 10.
- Frost, George, Company, Boston, Mass. Knicker Boston Garter. For Men's Garters. 6,797; July 10.
- Haynes Automobile Co., The, Kokomo, Ind. Haynes 77. For Automobiles. 6,798; July 10.
- Heinz, H. J., Company, Pittsburgh, Pa. Pickles in Patterns. For Heinz 57 Varieties (Food Products). 6,799; July 10.
- Heinz, H. J., Company, Pittsburgh, Pa. Your Friend And Ours—The Grocer. For Heinz 57 Varieties (Food Products). 6,800; July 10.
- Heinz, H. J., Company, Pittsburgh, Pa. What Surprised The Chef. For Heinz 57 Varieties (Food Products). 6,801; July 10.
- Hygrade Oil & Fuel Corporation, Buffalo, N. Y. Most Smiles Per Gallon. For Gasoline and Oils. 6,802; July 10.
- Jessen, J. Carl, Hollywood, Calif. Motion Picture Memory Contest. For Motion Pictures. 6,803; July 10.
- Kaplan, Harry E., doing business as H. E. Kaplan & Co., Chicago, Ill. Eternal Bliss. For Finger Rings. 6,804; July 10.
- Little Women Dress Co., New York, N. Y. Little Women Dress Co. For Dresses. 6,805; July 10.
- McConnell Manufacturing Company, Newark, N. J. Snap—A Better Hair Waver. For Hair Wavers. 6,806; July 10.
- Mannon & Arthur Co., Perth Amboy, N. J. Shoot the Plugs. For Plugs for Cleaning Condenser Tubes. 6,807; July 10.
- Moist Piano Company, Chicago, Ill. World's Largest Exclusive Reproducing and Artist Grand Piano House. For Pianos of All Kinds. 6,808; July 10.
- Ohio Truss Co., The, Cincinnati, Ohio. Watch Your (In)-Step! For Arch Builders or Supports. 6,809; July 10.
- Onyx Hosiery, Inc. (See Emery & Beers Company, Inc. assignor.)
- "Onyx" Hosiery, Inc., New York, N. Y. "Onyx" Hosiery. For Hosiery. 6,810; July 10.
- Reuter-Barry, Inc., New York, N. Y. Pure enough to Eat. For a Toilet Soap (Reuter's). 6,811; July 10.
- Roper, Geo. D., Corporation, Rockford, Ill. Inevitably. For Gas Ranges. 6,812; July 10.
- Squibb, E. R., & Sons, New York, N. Y. Protected By Professional Honor. For Drugs. 6,813; July 10.
- Squibb, E. R., & Sons, New York, N. Y. It Was Thus Intended. For Drugs. 6,814; July 10.
- Squibb, E. R., & Sons, New York, N. Y. Servants Of Science. For Drugs. 6,815; July 10.
- Squibb, E. R., & Sons, New York, N. Y. Another great achievement by the Squibb Laboratories. For Squibb's Magnesia Dental Cream. 6,816; July 10.
- Turn-Over-Toaster Company, Inc., New York, N. Y. T-O-T Turnover Gas Toaster. For Bread Toasters. 6,817; July 10.
- Wilson, Allen J., Kansas City, Mo. Amortized Mortgages, What They Are and Why We Urge Them. For Amortized Mortgages. 6,818; July 10.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- A. L. T. Rustie Company, Belvedere, Ill. Ornamental stonework articles. 177,518; July 10.
- Allen, Edward E., Mfg. Co., Chicago, Ill. Wood paste filler, oil colors, enamel, etc. 179,078; July 10.
- Allied Golf Company, Chicago, Ill. Golf clubs. 169,272; July 10.
- All Star Hosiery Co. (See Robison, Frank.)
- American Agriculturist, Inc., New York, N. Y. Periodical publication. 178,204; July 10.
- American Bleached Goods Company, Inc., New York, N. Y. Cotton poplins in the piece. 179,255; July 10.
- American Electric Equipment Co., Inc., New York, N. Y. Portable electric lamps and parts thereof, etc. 175,754-5; July 10.
- American Electric Equipment Co., Inc., New York, N. Y. Portable electric lamps and parts thereof, etc. 175,758; July 10.
- American Insecticide Co., The, Lima, Ohio. Insecticide. 177,758; July 10.
- Anso Company, Binghamton, N. Y. Photographic films. 178,797-807; July 10.
- Anaconda Copper Mining Company, New York, N. Y. Tubes. 177,062; July 10.
- Arabol Manufacturing Co., The, New York, N. Y. Powdered vegetable glues. 179,641-2; July 10.
- Arcadia, The. (See Dilas, Harry.)
- Artists Brush and Color Corporation, New York, N. Y. Artists' materials. 175,454; July 10.
- Atlantic Elevator Company, Inc., Philadelphia, Pa. Hoisting rope and cable. 181,051; July 10.
- Atlas China Company, The, Niles, Ohio. Chinaware. 181,104; July 10.
- Barbour Flax Spinning Co., Paterson, N. J. Hand and machine sewing linen thread. 179,984; July 10.
- Barr, Morris A., Valley Forge, Pa. Semiprecious stones. 179,844; July 10.
- Barsa Corporation, The, New York, N. Y. Kimonos, break-fast gowns, etc. 178,021; July 10.
- Bartow Beverages, Inc., Nashville, Tenn. Ginger ale. 180,832; July 10.
- Be-Neet Manufacturing Co., Inc., New York, N. Y. Hair nets. 180,356; July 10.
- Berco Medicine Co. (See Gilbert, Henry S.)
- Bernd, G., Company, Macon, Ga. Horse collars. 181,053; July 10.
- Bernhardt Ulmann Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 180,199; July 10.
- Bishop, Arthur W., doing business as King & Winston Products Co., St. Louis, Mo. Pile balm and tablets for disorders of the liver and bowels. 176,710; July 10.
- Bloch, Leon, New York, N. Y. Handkerchiefs. 180,413; July 10.
- Blue-Ribbon Knitting Mills, Inc., Waltham, Mass. Knitted bathing suits. 175,063; July 10.
- Blum & Mittenhal, New York, N. Y. Ladies' hand bags. 179,847; July 10.
- Bolduc, George J., doing business as G. J. Bolduc & Company, Portland, Oreg. Cough drops and lozenges. 177,032; July 10.
- Bond, Jessie A., doing business as J. & A. Bond, Hamilton, Ontario, Canada. Salve for the relief of eczema, salt rheum, acne, etc. 171,061; July 10.
- Bouillonized Peanut Company. (See Craven, Horace G.)
- Bownes, Frank, Company, Inc., Lynn, Mass. Varnish. 181,054; July 10.
- Breinig Brothers, Inc., Hoboken, N. J. Varnish. 179,654; July 10.
- Brown, Michael J., Philadelphia, Pa. Fruit presses. 166,498; July 10.
- Butler, J. W., Paper Co., The, Chicago, Ill. Print, book, bond, and writing paper, etc. 180,838; July 10.
- Butterfield Fred, & Co. Inc., New York, N. Y. Gingham in the piece. 165,343; July 10.
- Cahill & Malone, doing business as Everite Patch Company, Toledo, Ohio. Tire-repair compounds, adhesives, etc. 179,708; July 10.
- Capitol Chemical Company, Somerville, Mass. Stove polish. 162,721; July 10.
- Carneal, Edwin E., New Orleans, La. Beverage sold as a soft drink. 179,354; July 10.
- Caswell, Bonnie R., Wilmington, Del. Motor saltz. 175,298; July 10.
- Chadwick-Boston Lead Company, Boston, Mass. White lead. 175,344; July 10.
- Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, etc., silk fabrics in the piece. 180,521; July 10.
- Chester Knitting Mills, St. Louis, Mo. Hosiery. 174,654; July 10.
- Childs Specialty House, Union City, Tenn. Wearing apparel. 175,849; July 10.
- Chipman Knitting Mills, Easton, Pa. Hosiery. 177,359; July 10.
- Chloro Chemical Corporation, New York, N. Y. Liquid medicaments and ointments for antiseptic uses, etc. 178,592; July 10.
- Cincinnati Cordage & Paper Co., The, Cincinnati, Ohio. Writing paper. 174,554; July 10.
- Clar, Ernst, St. Georgental, Czechoslovakia. Rhinestones and chatons. 172,862; July 10.
- Cohen & Rosenberger, Inc., New York, N. Y. Bracelets and earrings. 178,224; July 10.
- Cole, Albert J., doing business as Three In-One Lantern Company, Denver, Colo. Electric lanterns. 177,036; July 10.
- Colloidal Laboratories. (See Novack, Harry J.)
- Columbia Products Company. (See Thomas, Otto.)
- Cooper, H. H., & Co., Inc., Utica, N. Y. Suits, top-coats, and ulsters for men. 174,560; July 10.
- Corso, Vincent M., doing business as The Hare Manufacturing Company, Hartford, Conn. Hair tonics. 176,454; July 10.
- Courtney, William P., doing business as Courtney's Red Top Soda Water Co., Oakland, Calif. Soda water. 181,062; July 10.
- Craven, Horace G., doing business as Bouillonized Peanut Company, Philadelphia, Pa. Peanuts prepared with meat sauce. 158,815; July 10.
- Crooker & Morse, Inc., Bridgewater, Mass. Boots and shoes. 177,428; July 10.
- Crutcher, Edwin, doing business as Golden Arrow Hosiery Mills, Nashville, Tenn. Hosiery. 178,958; July 10.
- Crystal Chemical Co. Inc., The, New York, N. Y. Powder for nursery and toilet use. 178,554; July 10.
- Cumberland Chemical Co., Nashville, Tenn. Tonic compound. 178,166; July 10.
- Cumberland Chemical Co., Nashville, Tenn. Tablets and a salve for hemorrhoids. 178,167; July 10.
- Custer, John A., doing business as Telltale Hosiery Co., Lonsdale, Pa. Hosiery. 178,227; July 10.
- Cuthbert, Richard G., doing business as Globe Radio Mfg. Co., New York, N. Y. Radio receiving and transmitting sets. 173,956; July 10.
- Dalton Hosiery Mills, Dalton, Ga. Hosiery. 176,720; July 10.
- Danner Co., Portland, Oreg. Metal-polishing compound. 131,017; July 10.
- Darling Sweets, Inc., Chicago, Ill. Candy. 172,732; July 10.
- David, John, New York, N. Y. Suits, jackets, raincoats, etc. 174,894; July 10.
- Dearborn Supply Company, Chicago, Ill. Shampoo preparation. 177,656; July 10.
- Dearborn Supply Company, Chicago, Ill. Toilet preparation. 177,657; July 10.
- Del Monte-Rickey, New York, N. Y. Sport clothes for women. 174,202; July 10.
- De Witt, E. C., & Co., Inc., Chicago, Ill. Preparation for removing corns and calli. 178,597; July 10.
- Diamond Food Products Company. (See Sterrick, Harrison D.)
- Dickey, William E., Seneca Falls, N. Y. Automatic pneumatic water-supply system. 178,433; July 10.
- Dighton, Samuel R., Savannah, Ga. Medicinal preparations for colds and constipation. 178,499; July 10.
- Dilas, Harry, doing business as The Arcadia, Bay City, Mich. Candy. 176,731; July 10.
- Domestic Electric Company, The, Cleveland, Ohio. Radio apparatus. 169,626; July 10.
- Drug Products Co. Inc., The, Long Island City, N. Y. Food tonic and general stimulant to cell metabolism. 166,134; July 10.
- Dugan & Hudson Co., Rochester, N. Y. Leather shoes. 175,599; July 10.
- Dunhill, Alfred, of London, Inc., New York, N. Y. Pipes, cigar and cigarette holders, and tobacco pouches. 179,263; July 10.
- Dutkanych, Theodore F., Chicago, Ill. Cigars. 180,171; July 10.
- Eastman Kodak Company, Rochester, N. Y. Photographic shutters. 180,846; July 10.
- Eckelkamp, John, doing business as Parkview Electric Company, St. Louis, Mo. Electric time switches, light flashes, transformers, motors, etc. 177,689; July 10.
- Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, lacquer thinners, and enamels. 179,186; July 10.

- Eisenstadt Manufacturing Company, St. Louis, Mo. Bracelets, wristlets, neck chains, watch chains, etc. 180,211; July 10.
- Equity Hosiery Mills, New York, N. Y. Hosiery. 179,592; July 10.
- Essential Oil Company, New York, N. Y. Essential oils. 178,030; July 10.
- Ethicus Prompt Treatment Kit, Inc., New York, N. Y. Preparation for the relief of headache, pain, etc. July 177,729; July 10.
- Everite Patch Company. (See Cahill & Malone.)
- Farbwerke vorm. Meister Lucius & Bruning, Höchst-on-the-Main, Germany. Chemical products for industrial, scientific, and photographic purposes. 165,584; July 10.
- Farfaglia, Joseph, & Co., Canastota, N. Y. Cigars and smoking tobacco. 176,611; July 10.
- Feldman, Leo H., New York, N. Y. Package outfit. 174,517; July 10.
- Felsenfeld, Jack J., New York, N. Y. Pearls, real and artificial. 180,332; July 10.
- First Texas Chemical Manufacturing Company, Dallas, Tex. Preparation for the treatment of all kinds of chronic bronchitis, phthisis, etc. 177,598; July 10.
- Foster, Samuel M., Company, Fort Wayne, Ind. Dresses and waists. 178,600; July 10.
- Fox River Paper Company, Appleton, Wis. Writing paper. 180,533; July 10.
- Franklin Clothes Shop, Inc., Washington, D. C. Men's coats, vests, trousers, and overcoats. 174,134; July 10.
- Fraser Milk Products Co., Inc., Fraser, N. Y. Powdered milk and baby foods. 177,480; July 10.
- Fritz Radiator Cement Co., Rhineland, Mo. Product to be used in stopping leaks in cooling systems of automobiles, etc. 177,663; July 10.
- Futrell, Cicero F., Conway, N. C. Preparation for the treatment of piles. 178,500; July 10.
- Garfinkle, Julius, doing business as Julius Garfinkle & Co., Washington, D. C. Suits, dresses, skirts, waists, etc. 174,362; July 10.
- Gestetner, D., Limited, London, England. Duplicating apparatus and accessories thereto, etc. 178,175; July 10.
- Getz, Vernon C., doing business as The Wonderlay Company, Indianapolis, Ind. Antiseptic drink for chicks. 177,292; July 10.
- Gibson, Geo. R., Co., New York, N. Y. Toothbrushes. 165,791; July 10.
- Gilbert, Henry S., doing business as Berco Medicine Co., Louisville, Ky. Female general tonic. 177,733; July 10.
- Gillen, P. Joseph, doing business as Menth-Kreoamo Company, Clinton, Ill. Medicinal preparation for pneumonia, flu, colds; etc. 177,294; July 10.
- Gimbel Brothers, Inc., New York, N. Y. Table glassware. 180,063; July 10.
- Gleckner, W. W., & Sons Co., Canton, Pa. Harness, collars, saddlery, and parts thereof. 179,267; July 10.
- Globe Radio Manufacturing Co. (See Cuthbert, Richard G.)
- Golden Arrow Hosiery Mills. (See Crutcher, Edwin.)
- Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes and arctic overshoes. 176,337; July 10.
- Gotham Corporation, The, New York, N. Y. Preparation for the treatment of constipation and its symptoms. 177,040; July 10.
- Grosser, Walter C., doing business as Grosser Mfg. Co., Cleveland, Ohio. Faucets, cocks, etc. 172,592; July 10.
- Grossman, Jacob, doing business as Giant Umbrella Co., New York, N. Y. Umbrellas and parasols. 176,342; July 10.
- Gude Brothers, Kieffer Company, New York, N. Y. Eggs. 174,440; July 10.
- Gude Brothers, Kieffer Company, New York, N. Y. Butter and eggs. 174,442; July 10.
- Gude Brothers, Kieffer Company, New York, N. Y. Eggs. 174,443-4; July 10.
- H. & S. Products Co., Millville, N. J. Waterproof and antiseptic preparation for the treatment of cuts, cracks, and abrasions of the skin. 177,487; July 10.
- Haldy, George P., Cedar Rapids, Iowa. Preparation for the hair and scalp. 177,737; July 10.
- Hall, Thralls & Co., Hymera, Ind. Shampoo, scalp and hair oils, dandruff ointment, skin lotion. 175,555; July 10.
- Hare Manufacturing Company. (See Corso, Vincent M.)
- Hartman, Arthur, New York, N. Y. Shirts. 175,866-8; July 10.
- Hawley Knitting Mills, Inc., New York, N. Y. Knitted outer garments. 172,221; July 10.
- Hillerich & Bradsby Co., Inc., Louisville, Ky. Baseball bats. 180,431-4; July 10.
- Hofbros. W., Co. (See Hoffman Bros.)
- Hoffman Bros. Inc., doing business also as Hofbros W. Co., New York, N. Y. Watches, clocks, dials, etc. 171,799; July 10.
- Hoffman, Herman B., New York, N. Y. Women's undergarments. 175,195; July 10.
- Hoffman, Mrs. Nellie F., Brookings, S. Dak. Medicine for the treatment of hog cholera. 178,504; July 10.
- Home Lighting Equipment Corporation, New York, N. Y. Portable electric lamps, parts thereof, etc. 175,792; July 10.
- Houbigant, Inc., New York, N. Y. Perfume, toilet water, face, talcum, and sachet powders, face cream, etc. 177,379; July 10.
- Howard Hose and Garter Mfg. Co., Los Angeles, Calif. Hosiery and garters. 175,557; July 10.
- Hursh, Wm. T., & Conn, Mansfield, Ohio. Vegetable compound and system blood purifier. 176,185; July 10.
- Hutton, Ashbury B., Phillipsburg, Pa. Grease compound for lubricating purposes. 180,009; July 10.
- Ide, Geo. P., & Co., Inc., Troy, N. Y. Collars for shirts. 174,012; July 10.
- Inecto Incorporation, New York, N. Y. Face cream. 175,990; July 10.
- Jacob & Schey, New York, N. Y. Hosiery. 175,357; July 10.
- Jenquins Laboratories, The, Chicago, Ill. Cod-liver-oil pills. 178,252; July 10.
- Johns, William T., doing business as Texas Chemical & Specialty Co., Fort Worth, Tex. Insecticide and deodorant. 174,902; July 10.
- Jo-Lo Rug Cleaning Mfg. Co. (See Swayne, Joseph J.)
- Jones, George C., Incorporated, New York, N. Y. Fertilizer. 180,704; July 10.
- Jones, John T., doing business as Jones Remedy Co., Grass Valley, Calif. Preparation for relief of colds, coughs, grippe, etc. 172,993; July 10.
- Joseph Bros., doing business as United Kimono Co., New York, N. Y. Kimonos, bath robes, petticoats, etc. 175,398; July 10.
- Joseph, S., & Son Co., Philadelphia, Pa. Ready-mixed paints, varnishes, fillers, and shellacs. 180,285; July 10.
- Kafka, David A., doing business as Midwest Auto Specialty Mfg. Co., St. Paul, Minn. Oil gauges. 181,029; July 10.
- Kaplan, Harry E., doing business as H. E. Kaplan & Co., Chicago, Ill. Finger rings. 180,435; July 10.
- Kerr Turbine Co., Wellsville, N. Y. Turbines and reduction gears. 177,978; July 10.
- King & Winston Products Co. (See Bishop, Arthur W.)
- Kirschner, M., & Sons, New York, N. Y. Cloaks, suits, dresses. 178,345-6; July 10.
- L & W Mfg. Company, Vincennes, Ind. Medicine for the treatment of ingrowing toenails. 177,445; July 10.
- La Fleur Laboratories. (See Levy, Simeon S.)
- Larkin Automotive Parts Company, The, Dayton, Ohio. Detachable force-feed lubricating apparatus, parts and fittings thereof. 177,745; July 10.
- Levitan, Hyman, Boston, Mass. Artificial pearls. 177,306; July 10.
- Levring and Company, Incorporated, St. Louis, Mo. Cheese and butter color. 178,449; July 10.
- Levy, Simeon S., doing business as La Fleur Laboratories, Cleveland, Ohio. Hair dressing. 177,854; July 10.
- Liebmann's S. Sons, Inc., Brooklyn, N. Y. Malt beverage. 175,360; July 10.
- Lionel Corporation, The, New York, N. Y. Electric toys. 163,099; July 10.
- Lissauer & Company. (See Mirabeau, Marcel M.)
- Listerated Gum Corporation, New York, N. Y. Chewing gum. 178,399; July 10.
- Little, George, Limited, Manchester, England. Bacon, hams, and lard. 177,839; July 10.
- Lovinger-Schwartz Co., The, Cleveland, Ohio. Ladies' dresses. 179,414; July 10.
- McGovern & McGovern, Seattle, Wash. Canned salmon. 176,904; July 10.
- Maeshima, Shitaro, Tokyo, Japan. Therapeutical apparatus called oxyhealer used for injecting oxygen into the body. 155,900; July 10.
- Mallas Cravis Co., New York, N. Y. Women's and misses' dresses. 176,029; July 10.
- Martha Maid Manufacturing Company, Incorporated, Chicago, Ill. Children's dresses. 178,367; July 10.
- Master Rule Mfg. Co. Inc., New York, N. Y. Rules, folding rules, extension rules. 177,044; July 10.
- Mathews, William H., doing business as The Mathews Medical Company, San Francisco, Calif. Medical tonic for use in the treatment of anemia, debility, stomach derangements, etc. 177,447; July 10.
- Meigs & Co., Inc., Boston, Mass., and Bridgeport, Conn. Overcoats. 179,376; July 10.
- Menth-Kreoamo Company. (See Gillen, P. Joseph.)
- Merck & Co., New York, N. Y. Soporific. 177,312; July 10.
- Metz, H. A., & Co., Inc., New York, N. Y. Dyestuffs. 178,563; July 10.
- Miami Optical Co. (See Smith, Noel.)
- Michael, John C., Company, Chicago, Ill. Wash dresses and aprons. 177,313; July 10.
- Midwest Auto Specialty Mfg. Co. (See Kafka, David A.)
- Miller Brothers Company, Chattanooga, Tenn. Hosiery. 179,158; July 10.
- Miller, Elmer F., San Francisco, Calif. Paint remover. 166,747; July 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Mirabeau, Marcel M., doing business as Lissauer & Company, New York, N. Y. Jewelry. 175,507; July 10.
- Mission Hosiery Mills. (See Wittenberg, Armin H.)
- Moore, Benjamin, & Co., Jersey City, N. J., and Brooklyn, N. Y. Varnish. 180,769; July 10.
- Morrill, Geo. H., Co., Norwood, Mass. Printing ink. 156,499; July 10.
- National Food Corporation. (See Sterrick, Harrison D.)
- National Shirt Shops, Inc., New York, N. Y. Men's suits, coats, trousers, etc. 177,194; July 10.
- Naumkeag Steam Cotton Co., Salem, Mass. Pillowcases. 145,957-8; July 10.
- Neuburger & Company, New York, N. Y. Gingham piece goods. 179,314; July 10.
- Newman, Marcus & Torchia, Cincinnati, Ohio. Frocks. 178,455; July 10.
- Nitrate Agencies Company, New York, N. Y. Fertilizers. 180,486; July 10.
- Noesting Pin Ticket Company, Incorporated, Mount Vernon, N. Y. Paper clips. 180,805; July 10.
- Novack, Harry J., doing business as Colloidal Laboratories, Philadelphia, Pa. Liquid iodine preparation. 178,626; July 10.
- Old Colony Manufacturing Corporation, Taunton, Mass. Cotton yarns. 180,237; July 10.
- Optical Specialty Manufacturing Company, Southbridge, Mass. Ophthalmic mountings and parts thereof. 179,548; July 10.
- Oregon Brass Works, Portland, Oreg. Journal bearings. 178,273; July 10.
- Organ-Iron Medicine Company, Omaha, Nebr. Medicine used in cases of stomach, liver and bladder trouble, etc. 178,459; July 10.
- Organ-Iron Medicine Company, Omaha, Nebr. Medicine used in cases of rheumatism, sciatica, etc. 178,460; July 10.
- Organ-Iron Medicine Company, Omaha, Nebr. Medicine used in cases of kidney and bladder troubles, etc. 178,461; July 10.
- Ortho Manufacturing Company, Inc., New York, N. Y. Liquid dentifrice, a pharmaceutical preparation. 178,276; July 10.
- Osterweil Bros. Inc., Newark, N. J. Trunks. 180,771; July 10.
- Otis Chemical Company, (not Inc.), Chicago, Ill. Lubricating compounds and greases. 181,087; July 10.
- Pallisade Manufacturing Company, The, Yonkers, N. Y. Soap. 176,357; July 10.
- Parfumerie Lubin. (See Prot, Paul, & Cie.)
- Parker Bridget Company, Washington, D. C. Boys' suits. 171,508; July 10.
- Parks, G. M., Company, The, Fitchburg, Mass. Humidity regulators. 179,621; July 10.
- Parkview Electric Company. (See Eckelkamp, John.)
- Peerless Mfg. Co., The, Norristown, Pa. Toilet paper. 179,678-9; July 10.
- Pendle & Rivett Limited, London, England. Cloth and stuffs of wool and worsted. 180,549; July 10.
- Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Women's hair nets. 180,491; July 10.
- Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Lye. 176,095-7; July 10.
- Philadelphia Storage Battery Co., Philadelphia, Pa. Batteries and battery parts and supplies. 177,617; July 10.
- Pierce, S. S., Co., Boston, Mass. Canned fruits and vegetables. 177,995; July 10.
- Pollak Bros. Company, The, Fort Wayne, Ind. Dresses and waists. 175,211; July 10.
- Pound, George H., doing business as Tress Laboratories, Los Angeles, Calif. Hair tonic. 178,280; July 10.
- Primrose Draperies, Inc., New York, N. Y. Bedspreads. 180,493; July 10.
- Prot, Paul, & Cie., doing business as Parfumerie Lubin, Paris, France. Perfumes, toilet waters, face powder, etc. 170,086; July 10.
- R. & H. E. Co. (See Schilplin, William.)
- Radio Motion Picture Phon. Corp., Fall River, Mass., and Long Island City, N. Y. Educational appliances, embracing cabinets within which are disposed radio-receivers, motion-picture projectors, etc. 178,282; July 10.
- Radio Stomach Relief Co. (See Rondeau, Francois X.)
- Rash, Warren P., Co., Inc., Middlesboro, Ky. Preparation for neuralgia and headache. 177,621; July 10.
- Reed, Ernest A., New York, N. Y. Yarns. 179,623; July 10.
- Reliance Manufacturing Company, Chicago, Ill. Men's work shirts. 174,753; July 10.
- Remiller Co., The, New York, N. Y. Face and hand lotion. 178,472; July 10.
- Rheumatism Company. (See Sheffelt, Michael W.)
- Ringler, William A., Philadelphia, Pa. Receipt books and filing cards for bookkeeping purposes. 160,434; July 10.
- Riteweb Manufacturing Company, Inc., Yonkers, N. Y. Athletic and knitted underwear. 178,285-6; July 10.
- Ritter, Harry E., & Mary V. Gordon, Selinsgrove, Pa. Cancer salve. 176,917; July 10.
- Robison Corporation, New York, N. Y. Hosiery. 179,557; July 10.
- Robison, Frank, doing business as All Star Hosiery Co., Birmingham, Ala. Silk hosiery and knitted or woven silk underwear. 179,166; July 10.
- Rondeau, Francois X., doing business as Radio Stomach Relief Co., Brockton, Mass. Stomach preparation. 165,035; July 10.
- Rood Candy Company, The, doing business as Roods, Pueblo, Colo. Candy. 162,581; July 10.
- Safe-T-Stat Co., The, Philadelphia, Pa. Thermoelectric temperature indicators. 180,143; July 10.
- Salon Viennese, New York, N. Y. Facial oil and ointment. 178,570; July 10.
- San Antonio Drug Co., San Antonio, Tex. Sirup for the relief of coughs, colds, and bronchitis. 176,656; July 10.
- San-I-Sal Laboratories, Inc., Washington, D. C. Preparation for the prevention of excessive perspiration. 177,519; July 10.
- Saturn Mfg. & Sales Co. Inc., New York, N. Y. Electric and radio telephone jacks, plugs, and connections. 171,473; July 10.
- Schilplin, William, doing business as R. & H. E. Co., Seattle, Wash. Roach-destroying composition. 177,697; July 10.
- Scholderer & Aug., Inc., New York, N. Y. Men's and young men's suits and overcoats. 174,979; July 10.
- Schrader's, A., Son, Incorporated, Brooklyn, N. Y. Pneumatic valves, valve insides, etc. 171,512; July 10.
- Schrader's, A., Son, Incorporated, Brooklyn, N. Y. Fluid-pressure gauges, indicators, etc. 180,084; July 10.
- Schrader's, A., Son, Incorporated, Brooklyn, N. Y. Ice bags and syringe fixtures. 180,243; July 10.
- Schwartz, David, Company, Inc., New York, N. Y. Cotton goods in the piece. 180,558; July 10.
- Schwarze, Carl A., doing business as Sindol Co., Woodhaven, N. Y. Face powders and cream, perfumes, toilet waters, etc. 178,676; July 10.
- Sethness Company, Chicago, Ill. Beverage sold as a soft drink and sirups for making same. 175,681; July 10.
- Sewall Paint & Glass Company, Kansas City, Mo. Varnishes, varnish stain, enamels, etc. 180,814; July 10.
- Shannon, J. Jacob, & Co., Philadelphia, Pa. Derricks, cranes, steam shovels, parts thereof, etc. 176,049; July 10.
- Shapiro, Louis, doing business as Louis Shapiro & Co., New York, N. Y. Men's ready-made suits and overcoats. 177,626-7; July 10.
- Shaw, Frederick G., Brooklyn, N. Y. Cream to be applied to the skin as an insect repellent. 176,505; July 10.
- Sheffelt, Michael W., doing business as Rheumatism Company, Stigler, Okla. Liniment for rheumatism, bruises, etc. 177,111; July 10.
- Sindol Co. (See Schwarze, Carl A.)
- Sleater, John C., Co., Inc., New York, N. Y. Tablecloths, napkins, doilies, etc. 177,701; July 10.
- Smith, Noel, doing business as Miami Optical Co., Miami, Fla. Lenses, eyeglasses, and spectacles. 180,815; July 10.
- Smith Oil & Refining Company, Rockford, Ill. Lubricating oils and greases. 180,628; July 10.
- Smith Oil & Refining Company, Rockford, Ill. Cutting oil. 180,629; July 10.
- Société Rodier, Paris, France. Piece goods of silk, cotton, and wool and mixtures. 180,504; July 10.
- Société Rodier, Paris, France. Piece goods of silk, cotton, and wool and mixtures. 180,506; July 10.
- Southern Specialty Company, Thomasville, Ga. Insecticide. 178,292-8; July 10.
- Stamper & Kaiser, New York, N. Y. Hosiery. 177,630; July 10.
- Stanard, O. L., Dry Goods Co., Huntington, W. Va. Hair nets. 179,491; July 10.
- Standard Oil Company of New York, New York, N. Y. Petroleum jelly. 178,146; July 10.
- Standard Tent & Awning Company, The, doing business as The Standard Garment Company, Toledo, Ohio. Working pants, overalls, jumpers, etc. 174,943; July 10.
- Steelcraft Corporation of America, Cleveland, Ohio. Safes. 179,890; July 10.
- Stephens-Bradley Company, Lindale, Ga. Kidney and bladder pills. 177,462; July 10.
- Stern, Merritt Co., Inc., New York, N. Y. Neckties. 175,893-4; July 10.
- Sterrick, Harrison D., doing business as Diamond Food Products Company and National Food Corporation, Pittsburgh, Pa. Combination of malt extracts for beverage purposes. 154,939; July 10.
- Stolz Bros. Davis Company Incorporated, Syracuse, N. Y. Cough mixture. 176,227; July 10.
- Superior Athletic Underwear Company, The, Pligua, Ohio. Union and combination suits, undershirts, underdrawers. 174,642; July 10.
- Swayne, Joseph J., doing business as Jo-Lo Rug Cleaning Mfg. Co., Philadelphia, Pa. Compound for cleaning rugs. 175,970; July 10.
- T-N-T Spark Plug Company, The, Cleveland, Ohio. Spark plugs. 175,225; July 10.
- Taneyhill, Joseph O., New York, N. Y. Crystallized and preserved ginger, chutney, honey, etc. 174,757; July 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Tappan Stove Co., The, Mansfield, Ohio. Electric ranges and stoves. 172,449; July 10.
 Tauber, Lipton & Company, Inc., New York, N. Y. Shirts, pyjamas, and nightshirts. 173,612; July 10.
 Taylor Instrument Companies, Rochester, N. Y. Barometers. 179,495; July 10.
 Taylor, Sterling P., doing business as Taylor Drug Company, Mineral Wells, Tex. Liquid dandruff remover. 178,575; July 10.
 Tebbetts and Garland Store, The, Chicago, Ill. Aluminum teapots. 171,599; July 10.
 Tebbetts and Garland Store, The, Chicago, Ill. Aluminum percolators. 171,600; July 10.
 Telltale Hosiery Co. (See Custer, John A.)
 Texas Chemical & Specialty Co. (See Johns, William T.)
 Textile Shirt Company, The, Cincinnati, Ohio. Men's dress and negligee shirts. 179,239; July 10.
 Thoma, Otto, doing business as Columbia Products Company, St. Louis, Mo. Malt extract. 179,241; July 10.
 Thomas, D. W., Incorporated, Seattle, Wash. Artificial pearls. 179,975; July 10.
 Thomas, Elizabeth M., doing business as E. M. Thomas Company, St. Louis, Mo. Ladies' and misses' dresses. 179,688; July 10.
 Three-In-One Lantern Company. (See Cole, Albert J.)
 Tress Laboratories. (See Pound, George H.)
 Turner & Seymour Manufacturing Co., The, Torrington, Conn. Egg beaters. 178,580; July 10.
 Twellsick, Gustaf, doing business as August Reutershan, Solingen, Germany. Tin openers, corkscrews, etc. 164,843; July 10.
 Unchokable Pump, Limited, London, England. Pumps. 177,252; July 10.
 United Kimono Co. (See Joseph Bros.)
 Unruh H. P. Co., The, Chanute, Kans. Germicidal remedy for colds, cuts, burns, etc. 155,940; July 10.
 Vita-Sulphur Company, Chicago, Ill. Medicinal preparation for rheumatism, neuritis, sciatica, gout, etc. 177,639; July 10.

Voorhees, Joseph P., East Orange, N. J. Hosiery. 178,314; July 10.
 Waples-Platter Grocer Co., Fort Worth, Tex. Canned and bottled goods. 175,287; July 10.
 Warmbirds, Inc., New York, N. Y. Woolens and worsteds in the piece. 180,312; July 10.
 Washington Manufacturing Co., Nashville, Tenn. Work shirts and overalls. 179,502; July 10.
 Waymart Knitting Mill, Waymart, Pa. Sweater coats. 178,199; July 10.
 Weisbaum Bros.-Leininger Company, The, Cincinnati, Ohio. Neckties. 179,632; July 10.
 Wilber, M., Dyer Company, The, New York, N. Y. Pyjamas. 179,463; July 10.
 Williams & Robecheaud, Milwaukee, Wis. Auto locks. 180,570; July 10.
 Wilson Welder & Metals Company, Inc., New York, N. Y. Electric welding machines, cables, resistance units, etc. 118,198; July 10.
 Winarick, Arthur, New York, N. Y. Face powders, face creams, perfumes, etc. 177,720; July 10.
 Wish, Fred A., Incorporated, New York, N. Y. Stationery. 180,641; July 10.
 Wittenberg, Armin H., doing business as Mission Hosiery Mills, Los Angeles, Calif. Hosiery, sweaters, and knitted underwear. 178,321; July 10.
 Wizard Lightfoot Appliance Company, St. Louis, Mo. Zinc-oxide pads. 178,322; July 10.
 Wonderlay Company, The. (See Getz, Vernon C.)
 Woods, Ernest W., Los Angeles, Calif. Liquid waterproof refinisher. 177,886; July 10.
 Worumbo Manufacturing Company, Bath, Me. Woolen goods in the piece. 180,351; July 10.
 Wright, G. F., Steel & Wire Company, Worcester, Mass. Wire rope and clothesline. 169,510; July 10.
 Wuest, Andrew A., Cincinnati, Ohio. Boys' and girls' hosiery. 177,419; July 10.
 Zigelman, M., St. Louis, Mo. Malt sirup. 178,083; July 10.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Gravel, Paving. Allen Gravel Company. 170,112; July 10; Serial No. 159,676; published Apr. 3, 1923.
 Leather. C. G. Fleckenstein Company. 169,974; July 10; Serial No. 166,362; published Apr. 10, 1923.
 Lime, Hydrated. Charles Warner Company. 170,222; July 10; Serial No. 154,344; published Apr. 10, 1923.
 Skins, Dyed animal. Joseph Hollander, Inc. 169,977; July 10; Serial No. 166,741; published Apr. 10, 1923.

CLASS 2.

Bags, Laundry. Tingle, Brown & Co. 170,226; July 10; Serial No. 174,758; published Apr. 3, 1923.
 Bags, Mailing. Milwaukee Bag Co. 170,300; July 10; Serial No. 176,638; published Apr. 10, 1923.
 Box or crate, Wall section for. G. X. Wendling. 170,349; July 10.
 Containers. F. X. Eberle. 170,201; July 10; Serial No. 172,936; published Apr. 3, 1923.
 Packages, Toilet. F. P. Hudnall. 170,063; July 10; Serial No. 172,045; published Apr. 3, 1923.
 Paper cans. Union Paper Company. 170,356; July 10.
 Paper cartons. Standard Paper Company. 170,302; July 10; Serial No. 176,659; published Apr. 10, 1923.
 Paper towels, napkins, etc., Dispensing devices for. Independent Paper Mills, Inc. 170,329; July 10; Serial No. 176,186; published Apr. 3, 1923.
 Paper tubes to be used with explosive powder in blasting. Clark Patent Tubing Co. 170,043; July 10; Serial No. 175,069; published Apr. 10, 1923.
 Plates, Wooden. Oval Wood Dish Corporation. 170,180; July 10; Serial No. 176,204; published Apr. 10, 1923.
 Receptacles for gloves, handkerchiefs, lingerte, and sewing materials. Tin Decorating Company of Baltimore. 170,114; July 10; Serial No. 160,165; published Apr. 3, 1923.
 Sewing case. B. S. Schwed. 170,202; July 10; Serial No. 173,010; published Apr. 3, 1923.
 Toothbrush containers. F. T. Conley. 170,295; July 10; Serial No. 175,771; published Apr. 17, 1923.

CLASS 3.

Portfolios (brief cases). New Process Company. 170,304; July 10; Serial No. 176,496; published Apr. 10, 1923.
 Suit cases. New Process Company. 170,305-6; July 10; Serial Nos. 176,494-5; published Apr. 10, 1923.

CLASS 4.

Preparation for whitening and coloring buckskin leather. Joseph Pickering & Sons. 18,578; renewed Nov. 4, 1920.
 Preparation to be applied to linen collars for presenting to the collar a new and fresh appearance. W. L. Scholl. 170,331; July 10.

CLASS 5.

Adhesive in the form of paste. Commercial Paste Co. 170,299; July 10; Serial No. 176,788; published Apr. 10, 1923.
 Pastes, Dry. Penn Paste Milling Company. -70,134; July 10; Serial No. 160,253; published Apr. 10, 1923.
 Rubber tissue for reinforcing, stiffening, and waterproofing of garments, etc. Edward P. Stahel & Co. 170,244; July 10; Serial No. 174,676; published Apr. 10, 1923.
 Tires, Compound for preventing puncture in pneumatic. C. V. Crumley. 170,301; July 10; Serial No. 176,606; published Apr. 10, 1923.
 Tires, etc., Rubber preparation for repairing automobile. J. J. McBride. 170,358; July 10.

CLASS 6.

Antineuralgics. Farbenfabriken vorm. Friedr. Bayer & Co. 170,274; July 10; Serial No. 173,923; published Apr. 10, 1923.
 Antiseptic and prophylactic tablets. Societe Anonyme la Biotherapie, (Societe Anonyme de Produits Chimiques Biologiques et d'Hygiene). 170,249; July 10; Serial No. 171,290; published Mar. 27, 1923.
 Antiseptic lotion for treatment of the scalp and skin. E. B. Finlayson. 170,008; July 10; Serial No. 172,830; published Apr. 3, 1923.
 Astringents and mild antiseptics. H. A. Metz Laboratories, Inc. 170,191; July 10; Serial No. 173,434; published Apr. 3, 1923.
 Blue, Washing. P. Diamond. 21,903; renewed Nov. 1, 1922.
 Capsules for the relief of bladder complaints, spasmodic asthma, heart pains, etc. P. F. Deford. 169,984; July 10; Serial No. 167,914; published Apr. 10, 1923.
 Carbon remover. C. T. H. Clifford. 170,144; July 10; Serial No. 163,533; published Apr. 10, 1923.
 Chemicals. Semet-Solvay Company. 170,279; July 10; Serial No. 173,251; published Apr. 10, 1923.
 Chemicals, medicines, and pharmaceutical preparations. Wm. H. Gross Chemical Company. 170,097; July 10; Serial No. 169,295; published Apr. 10, 1923.
 Cologne and toilet waters, perfumes, etc. N. V. International Perfumery Company. 170,206; July 10; Serial No. 173,294; published Mar. 27, 1923.

- Cologne waters, bath salts, face clays, etc. Marschat Import Co. 170,081; July 10; Serial No. 167,530; published Apr. 3, 1923.
- Compositions for exterminating moths. Farbenfabriken vorm. Friedr. Bayer & Co. 170,038; July 10; Serial No. 173,925; published Apr. 10, 1923.
- Cream and cleansing or cold cream, Vanishing. Charm-U Co. 169,983; July 10; Serial No. 167,838; published Apr. 10, 1923.
- Cream, complexion powder, perfume, and toilet water, Cold. Lady Janis Perfume Co. 170,028; July 10; Serial No. 173,652; published Apr. 10, 1923.
- Cream, hair grower, and corn remedy, Cold, vanishing, and bleaching. R. W. Hunter. 170,080; July 10; Serial No. 167,520; published Mar. 20, 1923.
- Creams, shaving and beauty lotions, etc., Almond massage and other. E. M. Munson. 170,084; July 10; Serial No. 168,057; published Apr. 3, 1923.
- Dandruff remover. H. E. Del Sordo. 170,025; July 10; Serial No. 173,593; published Apr. 10, 1923.
- Deodorants. P. K. Hornsby. 170,108; July 10; Serial No. 157,923; published Apr. 3, 1923.
- Dye, Oil leather. Benton Holladay & Co. 170,061; July 10; Serial No. 172,195; published Apr. 3, 1923.
- Fire-extinguishing powders. C. R. Marstin. 170,148; July 10; Serial No. 168,272; published Apr. 3, 1923.
- Hemostatics. Farbenfabriken vorm. Friedr. Bayer & Co. 170,275; July 10; Serial No. 173,922; published Apr. 10, 1923.
- Hair dressing and dandruff remedy. A. J. Krank. 170,192-3; July 10; Serial Nos. 173,427-8; published Apr. 3, 1923.
- Hair pomade, preparation for beautifying the hair, shampoo, etc. D. A. Jones. 170,121; July 10; Serial No. 163,991; published Mar. 27, 1923.
- Heterocyclic compounds. M. Freiburger. 170,086; July 10; Serial No. 168,258; published Apr. 3, 1923.
- House-fly killer, liquid roach killer, liquid mosquito killer and repellent, etc. N. E. Morgan. 170,060; July 10; Serial No. 172,388; published Apr. 3, 1923.
- Insect exterminator. W. H. Metzger. 170,122; July 10; Serial No. 164,180; published Apr. 3, 1923.
- Liquid preparation for treatment of asthma. K. Karas. 169,978; July 10; Serial No. 166,836; published Apr. 10, 1923.
- Liquors, Aging and softening chemical powder for. F. D. Burhop. 170,251; July 10; Serial No. 171,196; published Apr. 3, 1923.
- Lotion for external application. Abraham & Straus, Inc. 170,009; July 10; Serial No. 172,813; published Apr. 3, 1923.
- Lotions, Face. I. Auld. 170,196; July 10; Serial No. 173,393; published Apr. 3, 1923.
- Manicure preparation. G. E. Kobolt. 170,033; July 10; Serial No. 173,711; published Apr. 10, 1923.
- Medicinal powder, Suppurative. Sharp & Dohme. 170,247; July 10; Serial No. 171,596; published Apr. 3, 1923.
- Medicinal preparation for asthma, etc. E. Bilhuber, Inc. 170,032; July 10; Serial No. 173,695; published Apr. 10, 1923.
- Medicinal preparation for the treating of croup, colds, and inflammation. S. Pfeiffer Mfg. Co. 170,205; July 10; Serial No. 173,207; published Mar. 27, 1923.
- Medicinal preparation in the nature of a purgative and liver medicine. J. G. Williams. 170,104; July 10; Serial No. 168,626; published Apr. 10, 1923.
- Medicinal preparation used in the treatment of carbuncles, etc. Nettie-Bentl Hinkle. 170,065; July 10; Serial No. 171,844; published Mar. 27, 1923.
- Medicine, Asthma. Asthma-Tol Co. 169,990; July 10; Serial No. 137,598; published Dec. 26, 1922.
- Medicine for the blood and stomach. I. Paul. 170,082; July 10; Serial No. 167,533; published Apr. 3, 1923.
- Medicine for treating high blood pressure, etc. H. C. Fitzer. 170,253; July 10; Serial No. 171,160; published Mar. 27, 1923.
- Medicine for treatment of tuberculosis, chronic coughs, colds, etc. W. C. King. 170,017; July 10; Serial No. 172,477; published Apr. 3, 1923.
- Medicine, Veterinary. N. E. Tate. 170,149; July 10; Serial No. 168,287; published Mar. 20, 1923.
- Medicines for rheumatism, backache, etc., and insecticides. Duncan Chemical Co. 170,151; July 10; Serial No. 168,518; published Apr. 3, 1923.
- Mouth wash. H. M. Donahue. 170,064; July 10; Serial No. 171,908; published Apr. 3, 1923.
- Oil for medicinal purposes, White mineral. Sherwood Petroleum Company. 170,198-9; July 10; Serial Nos. 173,368-9; published Apr. 3, 1923.
- Oils and essences for deodorizing and purifying the air. Ethereal. Perolin Fabrikationsgesellschaft m. b. H. 170,215; July 10; Serial No. 146,780; published Apr. 10, 1923.
- Ointment for the treatment of piles, fistula, constipation, etc. J. C. McCarthy. 170,034; July 10; Serial No. 173,840; published Apr. 10, 1923.
- Ointments and liniments. A. H. Hinkson. 170,014; July 10; Serial No. 172,593; published Apr. 3, 1923.
- Parasiticides. Farbenfabriken vorm. Friedr. Bayer & Co. 170,276-7; July 10; Serial Nos. 173,920-1; published Apr. 10, 1923.
- Perfume, toilet water, hair tonic, etc. Karlsruher Parfumerie & Toiletteseifen-Fabrik F. Wolff & Sohn, G. m. b. H. 169,999; July 10; Serial No. 152,758; published Apr. 3, 1923.
- Perfume, toilet water, rouges, face and talcum powder, etc. E. Daltroff & Cie. 170,278; July 10; Serial No. 173,916; published Apr. 10, 1923.
- Piles, Internal treatment of. Happy Thought Remedy Co. 170,026; July 10; Serial No. 173,596; published Apr. 10, 1923.
- Plasters, Corn. J. J. Newman. 170,036; July 10; Serial No. 173,851; published Apr. 10, 1923.
- Preparation for internal and external use for the alleviation of pain, etc. F. H. Bryant. 170,263; July 10; Serial No. 170,423; published Apr. 3, 1923.
- Preparation for the alleviation of baldness and the restoration and preservation of the hair. C. Nickels. 170,019; July 10; Serial No. 172,431; published Mar. 27, 1923.
- Preparation for use as blood regeneration, etc., Neutral iron. A/S Ferrosan. 170,074; July 10; Serial No. 166,216; published Mar. 20, 1923.
- Preparation of acid reaction for preventing rust. American Chemical Paint Company. 170,006; July 10; Serial No. 156,955; published Apr. 3, 1923.
- Pyorrhea remedy. Daugherty & Jackson. 170,012; July 10; Serial No. 172,666; published Apr. 3, 1923.
- Remedy for corns, calli, and warts. S. Holzman. 170,259; July 10; Serial No. 170,818; published Apr. 3, 1923.
- Remedy for diseases in poultry. Thos. Southard Poultry Supply Co. 169,980; July 10; Serial No. 167,337; published Apr. 10, 1923.
- Remedy, Prophylactic. Reese Chemical Co. 170,127; July 10; Serial No. 155,122; published Apr. 10, 1923.
- Remedy used for the treatment of distemper in dogs. Dr. W. D. Jensen. 169,986; July 10; Serial No. 167,943; published Apr. 10, 1923.
- Rubber Manufacturing, Dry-color for use in. Ault & Wiborg Co. 170,079; July 10; Serial No. 167,285; published Apr. 3, 1923.
- Salve and cough drops. O. V. Gallagher. 170,075; July 10; Serial No. 166,227; published Mar. 27, 1923.
- Salve, Corn. M. L. Wilson. 169,972; July 10; Serial No. 165,251; published Apr. 10, 1923.
- Salve for sore and calloused feet, Healing. A. Michel. 170,189; July 10; Serial No. 173,521; published Apr. 3, 1923.
- Salve for the treatment of catarrh, sore throat, etc. H. E. Capdau. 170,165; July 10; Serial No. 169,888; published Apr. 3, 1923.
- Salves, washes, and ointments. A. A. Gasaway. 170,167; July 10; Serial No. 170,062; published Mar. 20, 1923.
- Solution for the treatment of inflamed, tender, or bleeding gums, pyorrhea, etc. J. W. Behrendt. 170,188; July 10; Serial No. 173,554; published Apr. 3, 1923.
- Spreader to be added to spray, Calcium-caseinate. J. F. Littooy. 170,135; July 10; Serial No. 161,263; published Apr. 10, 1923.
- Steel, Liquid used in heat-treating. Nypros Steel Company. 170,264; July 10; Serial No. 170,264; published Apr. 3, 1923.
- Toilet preparations. E. J. O'Connor. 170,257; July 10; Serial No. 170,947; published Mar. 20, 1923.
- Tonic. R. J. Strassenburgh Company. 170,031; July 10; Serial No. 173,686; published Apr. 10, 1923.
- Tonic and general stimulant. Mellier Drug Company. 177,84; renewed Apr. 15, 1920.
- Tonic compound. Purdue Frederick Company. 23,794; renewed Nov. 7, 1923.
- Tonic for use upon the scalp or skin. E. D. Schneider. 170,254; July 10; Serial No. 171,140; published Apr. 3, 1923.
- Tonic, General. Sudermann & Co. 170,111; July 10; Serial No. 159,772; published Mar. 20, 1923.
- Tonic to assist the digestion of food in the stomach. G. Code. 170,011; July 10; Serial No. 172,663; published Apr. 3, 1923.
- Tonics and conditioners, Stock and poultry. Prairie Remedy Co. 170,214; July 10; Serial No. 146,397; published Apr. 10, 1923.
- Tooth paste. J. W. Covington. 170,035; July 10; Serial No. 173,811; published Apr. 10, 1923.
- Tooth paste and tooth cleanser, and a preparation for the treatment of pyorrhea. A. A. Hatfield. 170,083; July 10; Serial No. 167,676; published Apr. 3, 1923.
- Toothache medicine. Barnard Manufacturing Company. 170,195; July 10; Serial No. 173,394; published Apr. 3, 1923.
- Vulcanization accelerators. Farbenfabriken vorm. Friedr. Bayer & Co. 170,039; July 10; Serial No. 173,926; published Apr. 10, 1923.
- Water-softening compound. Sierra Chemical Company. 170,004; July 10; Serial No. 156,721; published Mar. 6, 1923.
- Wax, Laundry. Brun Mfg. Co. 170,085; July 10; Serial No. 168,201; published Apr. 3, 1923.
- Wrinkle remover, depilatory, deodorant, etc. H. Bizzoni. 170,059; July 10; Serial No. 172,412; published Mar. 27, 1923.

CLASS 7.

Cordage. Hooven & Allison Company. 170,000; July 10; Serial No. 154,515; published Apr. 3, 1923.
 Rope. Columbian Rope Company. 170,136; July 10; Serial No. 161,619; published Apr. 10, 1923.
 Wire rope and chain. George Cradock & Co. 23,103; renewed May 23, 1923.

CLASS 8.

Paper, Cigarette. E. M. Branchley. 170,307; July 10; Serial No. 176,445; published Apr. 10, 1923.

CLASS 9.

Fireworks. National Fireworks Manufacturing Company. 170,131; July 10; Serial No. 158,942; published Apr. 10, 1923.
 Shells, Shot. Western Cartridge Company. 169,970; July 10; Serial No. 164,285; published Apr. 3, 1923.

CLASS 10.

Fertilizers. Rogers & Hubbard Company. 170,076; July 10; Serial No. 166,713; published Apr. 3, 1923.

CLASS 12.

Cement and stucco, Building. National Kellastone Co. 170,126; July 10; Serial No. 155,028; published Aug. 29, 1922.
 Insulating paper. Barrett Company. 170,200; July 10; Serial No. 173,345; published Apr. 3, 1923.
 Lumber. J. H. Burton & Sons Co. 170,194; July 10; Serial No. 173,400; published Apr. 3, 1923.
 Refractory materials. Pyro Clay Products Company. 170,216; July 10; Serial No. 148,891; published Jan. 24, 1922.

CLASS 13.

Bibs, Quick-compression. E. Stebbins Manufacturing Company. 170,238; July 10; Serial No. 174,271; published Apr. 3, 1923.
 Curtain brackets. J. H. Rogers. 170,260; July 10; Serial No. 170,729; published Apr. 3, 1923.
 Nails. American Steel and Wire Company of New Jersey. 170,153; July 10; Serial No. 168,594; published Apr. 3, 1923.
 Window adjusters, Casement-. Miami Manufacturing Co. 170,190; July 10; Serial No. 173,520; published Apr. 3, 1923.

CLASS 14.

Alloy, Nickel-chrome. Henry Wiggin & Company Limited. 170,285; July 10; Serial No. 172,706; published Apr. 17, 1923.
 Alloy, Nickel-chrome-steel. Henry Wiggin & Company Limited. 170,284; July 10; Serial No. 172,709; published Apr. 17, 1923.
 Alloys, Nickel-copper. Henry Wiggin & Company Limited. 170,283; July 10; Serial No. 172,708; published Apr. 17, 1923.
 Die-casting metal and die castings. Doehler Die-Casting Co. 170,242; July 10; Serial No. 174,562; published Apr. 3, 1923.
 Gold, platinum, palladium, and silver metals and solder and rolled sheets and plates. American Platinum Works. 170,197; July 10; Serial No. 173,392; published Apr. 3, 1923.
 Metal and anti-friction journal bearings, Babbitt. Theodore Hiertz & Son. 22,658; renewed Mar. 14, 1923.
 Metals and alloys and ingots, castings, sheets, etc. Annconda Copper Mining Company. 170,147; July 10; Serial No. 164,291; published Apr. 3, 1923.
 Platinum in bars, sheets, etc., and platinum solder. Dinhofer Bros. Inc. 170,232; July 10; Serial No. 173,919; published Apr. 3, 1923.
 Steel bars and billets. A. P. Scripture. 170,314; July 10; Serial No. 175,328; published Apr. 3, 1923.
 Steel rods. Globe Wire Co. 170,228; July 10; Serial No. 174,772; published Apr. 3, 1923.
 Wires, Resistance. Henry Wiggin & Company Limited. 170,090; July 10; Serial No. 170,345; published Apr. 17, 1923.

CLASS 15.

Gasoline, kerosene, lubricating oil, and gas oil. Petroleum Export Corporation. 170,178; July 10; Serial No. 176,210; published Apr. 10, 1923.
 Gasoline, kerosene, naphtha, etc. Get-Gas Service Stations, Inc. 170,130; July 10; Serial No. 158,391; published Apr. 10, 1923.
 Kerosene. Miller Petroleum Company. 170,053; July 10; Serial No. 175,673; published Apr. 10, 1923.
 Kerosene and gasoline, and lubricating oil. Petroleum Export Corporation. 170,175; July 10; Serial No. 176,211; published Apr. 10, 1923.
 Lubricant or grease. Pittsburgh Oil Refining Corporation. 170,213; July 10; Serial No. 144,423; published Sept. 19, 1922.
 Lubricants. Carbide & Carbon Chemicals Corporation. 170,324; July 10; Serial No. 175,710; published Apr. 3, 1923.
 Naphtha. Miller Petroleum Company. 170,181; July 10; Serial No. 176,200; published Apr. 10, 1923.
 Oil and grease, Lubricating. D. J. Lowry. 170,246; July 10; Serial No. 171,584; published Apr. 3, 1923.

Oil, Crank-case-flushing. American Oil Company. 170,245; July 10; Serial No. 171,719; published Apr. 3, 1923.
 Petroleum and petroleum products. Standard Oil Company of New York. 170,303; July 10; Serial No. 176,506; published Apr. 10, 1923.
 Petroleum and products of petroleum. Standard Oil Company of New York. 170,325-6; July 10; Serial Nos. 175,959-60; published Apr. 3, 1923.
 Petroleum and products of petroleum. Standard Oil Company of New York. 170,327; July 10; Serial No. 175,965; published Apr. 3, 1923.
 Petroleum and products of petroleum. Standard Oil Company of New York. 170,328; July 10; Serial No. 175,968; published Apr. 3, 1923.
 Petroleum, Volatile compound derived from. Gilmore Petroleum Company. 169,975; July 10; Serial No. 166,557; published Apr. 10, 1923.

CLASS 16.

Oils for painted, varnished and lacquered surfaces, Polishing. R. Douglas. 169,947; July 10; Serial No. 174,429; published Apr. 10, 1923.
 Paint enamel, White. Paramount Paint & Varnish Co. 170,048; July 10; Serial No. 175,209; published Apr. 10, 1923.
 Paint, fiber roof paint, varnish, paint enamel, etc., Wagon. Progress Paint Mfg. Co. 170,293; July 10; Serial No. 176,043; published Apr. 17, 1923.
 Paint, Lead, oil, and zinc. M. J. Merkin Paint Co. Inc. 169,950; July 10; Serial No. 174,583; published Apr. 10, 1923.
 Paint, Ready-mixed. Paramount Paint & Varnish Co. 170,047; July 10; Serial No. 175,208; published Apr. 10, 1923.
 Paints, Liquid and paste. Pittsburgh Plate Glass Company. 170,296; July 10; Serial No. 175,518; published Apr. 17, 1923.
 Paints, varnishes, paint enamels. Enterprise Paint Mfg. Co. 170,267; July 10; Serial No. 174,829; published Apr. 17, 1923.
 Paints, varnishes, paint enamels. Enterprise Paint Mfg. Co. 170,268; July 10; Serial No. 174,827; published Apr. 17, 1923.
 Polish, Furniture. J. E. Smith. 170,319; July 10; Serial No. 175,529; published Apr. 3, 1923.
 Polishes, Furniture and automobile. Mansfield Chemical Company. 169,971; July 10; Serial No. 164,600; published Apr. 10, 1923.
 Turpentine substitutes. Newport Company. 170,058; July 10; Serial No. 175,940; published Apr. 10, 1923.
 Varnish. Pittsburgh Plate Glass Company. 170,318; July 10; Serial No. 175,517; published Apr. 3, 1923.
 Varnishes. Remien & Kuhnert Co. 170,055; July 10; Serial No. 175,885; published Apr. 10, 1923.
 Varnishes, paint enamels, varnish stains. Murphy Varnish Company. 170,224; July 10; Serial No. 154,986; published Apr. 10, 1923.

CLASS 17.

Cigarettes. Penn Tobacco Company. 169,959; July 10; Serial No. 174,702; published Apr. 10, 1923.
 Cigars. Peoples Drug Stores, Inc. 170,107; July 10; Serial No. 157,690; published Apr. 3, 1923.
 Cigars. S. Rodriguez. 170,187; July 10; Serial No. 178,360; published May 8, 1923.
 Cigars, cheroots, and cigarettes. C. Fernandez. 170,240; July 10; Serial No. 174,432; published Apr. 3, 1923.
 Cigars, cigarettes, and smoking tobacco. R. C. Importation Corporation. 170,231; July 10; Serial No. 173,857; published Apr. 3, 1923.

CLASS 19.

Automobile bodies. Fisher Body Corporation. 170,152; July 10; Serial No. 168,464; published Apr. 3, 1923.
 Automobile steering-gear-control wheels. Rollaway Motor Company. 170,140; July 10; Serial No. 162,853; published Apr. 10, 1923.
 Mirrors for vehicles, windshield wings, shock absorbers, etc. Trico Products Corporation. 170,258; July 10; Serial No. 170,910; published Apr. 3, 1923.
 Recoil checkers. H. G. Cloyes. 170,106; July 10; Serial No. 168,102; published Apr. 10, 1923.
 Trucks and trailers, Industrial. Colby Steel and Engineering Co. 169,994; July 10; Serial No. 142,775; published Apr. 3, 1923.
 Vehicles, Mirrors for motor. Kales Stamping Company. 170,013; July 10; Serial No. 172,597; published Apr. 3, 1923.

CLASS 20.

Oil cloth. Julius Wile Sons & Co. 170,054; July 10; Serial No. 175,829; published Apr. 3, 1923.
 Rubber-composition floor covering. Hupp Products Company, The. 170,046; July 10; Serial No. 175,196; published Apr. 10, 1923.

CLASS 21.

Batteries. Vitalis Products, Incorporated. 170,133; July 10; Serial No. 159,735; published June 13, 1922.
 Batteries, Electric. Englert Manufacturing Co. 170,218; July 10; Serial No. 152,609; published Apr. 3, 1923.

Binding posts, telephone test connectors, etc., Spring. Fahnestock Electric Co. 170,345; July 10.
 Dynamos, electromotors and parts thereof, electrical apparatus. Deutsche Elektrizitäts-Werke zu Aachen-Garbe, Lahmeyer & Co.-Aktiengesellschaft. 170,141; July 10; Serial No. 162,985; published Apr. 3, 1923.
 Electric-conduit fittings. L. F. Brunner. 170,128; July 10; Serial No. 156,344; published Apr. 3, 1923.
 Electric switches. H. D. Thomas. 170,346; July 10.
 Electrical-conduit couplings. Thomas & Betts Co. 170,342; July 10.
 Fuse plugs. W. O. Besaw. 169,985; July 10; Serial No. 167,929; published Apr. 3, 1923.
 Heaters, radiant floor and wall heaters, etc., Electric water and air. W. W. Hicks. 169,966; July 10; Serial No. 174,962; published Apr. 3, 1923.
 Lamp spotlights to be mounted in automobile windshields, Electric. Floyd Clymer Manufacturing Company. 170,340; July 10.
 Lamps, electromotors, dynamos, etc., Electrical. Philipps Aktien-Gesellschaft. 170,217; July 10; Serial No. 150,286; published Apr. 3, 1923.
 Radio crystals. Radiola Wireless Corporation. 170,107; July 10; Serial No. 168,786; published Apr. 3, 1923.
 Spark plugs. Shaw Mfg. Co. 170,341; July 10.
 Telephone cords, electric-iron cords, etc., Supports for. Snappy Sales Co. 170,022; July 10; Serial No. 173,539; published Apr. 3, 1923.
 Telephone plugs. L. de F. Munger. 170,024; July 10; Serial No. 173,576; published Apr. 3, 1923.

CLASS 22.

Cards, Playing. United States Printing Company. 23,782; renewed Nov. 7, 1923.
 Dolls. K. F. Sischo. 170,154; July 10; Serial No. 168,651; published Apr. 3, 1923.
 Dolls and contortional figures. I. K. Stubbs. 169,960; July 10; Serial No. 174,707; published Apr. 10, 1923.
 Dolls and doll outfits. G. Averill. 169,969; July 10; Serial No. 164,144; published Apr. 10, 1923.
 Fishing lines. Newton Line Company. 170,029; July 10; Serial No. 173,665; published Apr. 10, 1923.
 Fishing lines. Newton Line Company. 170,030; July 10; Serial No. 173,662; published Apr. 10, 1923.
 Game, Parlor board. Disc Alley Manufacturing Company. 170,067; July 10; Serial No. 165,010; published Apr. 3, 1923.
 Games and game apparatus. M. L. Brooks. 170,256; July 10; Serial No. 170,967; published Apr. 3, 1923.
 Kindergarten material. E. Steiger. 170,223; July 10; Serial No. 154,769; published Apr. 10, 1923.
 Swimming device or belt, Inflatable. G. Jordahn. 169,943; July 10; Serial No. 174,454; published Apr. 10, 1923.
 Toy alarm clocks or watches. S. C. Vincent. 169,962; July 10; Serial No. 174,804; published Apr. 10, 1923.
 Toy dolls. C. Ewald. 169,949; July 10; Serial No. 174,515; published Apr. 10, 1923.
 Toy electric railway. American Display Company. 169,961; July 10; Serial No. 174,718; published Apr. 10, 1923.

CLASS 23.

Dough and bun dividers, bread proofers, panning machines, mixers, etc., Baker-Perkins Manufacturing Corporation. 170,237; July 10; Serial No. 174,228; published Apr. 10, 1923.
 Electric-light bulbs, lamps, sockets, etc., Apparatus for installing and removing. G. C. A. Manufacturing Company. 170,243; July 10; Serial No. 174,570; published Apr. 3, 1923.
 Files. Fayette R. Plumb, Incorporated. 170,069; July 10; Serial No. 165,504; published Apr. 10, 1923.
 Hoists and their parts, Hydraulic. Wood Hydraulic Hoist & Body Company. 170,066; July 10; Serial No. 173,801; published Apr. 10, 1923.
 Hoof trimmers, Cow-. C. Kappeler. 170,269; July 10; Serial No. 174,396; published Apr. 17, 1923.
 Milling machinery, bolting reels, etc. B. F. Gump Co. 170,208; July 10; Serial No. 124,986; published Apr. 17, 1923.
 Paper and other sheet material, Machines for cutting, piling, etc. Maxson Automatic Machinery Company. 170,003; July 10; Serial No. 155,973; published Apr. 3, 1923.
 Pickaxes, crowbars, wrenches, terçados, mattocks, etc. Collins Company. 170,241; July 10; Serial No. 174,559; published Apr. 3, 1923.
 Piston rods. A. L. Stout & Co. 170,270; July 10; Serial No. 174,345; published Apr. 17, 1923.
 Presses, axle lathes, boring and turning mills, etc., Hydraulic. Niles Tool Works Company. 170,336; July 10.
 Printing presses, lithographic presses, etc., Rollers for. Ideal Roller & Manufacturing Co. 170,010; July 10; Serial No. 172,678; published Apr. 3, 1923.
 Razors. Union Cutlery Co. 170,298; July 10; Serial No. 175,033; published Apr. 17, 1923.
 Scissors and pocketknives. J. Richter. 170,159; July 10; Serial No. 169,517; published Apr. 10, 1923.
 Scoops, shovels, and steel chutes. H. B. Sackett Screen & Chute Company. 170,018; July 10; Serial No. 172,443; published Apr. 10, 1923.

Shovels, spades, and scoops. Ames Shovel & Tool Company. 170,042; July 10; Serial No. 174,986; published Apr. 17, 1923.
 Wrenches. Gellman Wrench Corporation. 170,266; July 10; Serial No. 174,896; published Apr. 17, 1923.

CLASS 24.

Laundry washing machines. The Fair. 169,951; July 10; Serial No. 174,614; published Apr. 3, 1923.
 Washing machines, Clothes-. Vulcan Manufacturing Company. 170,343; July 10.

CLASS 26.

Ammeters. Tiffany Manufacturing Company. 170,330; July 10.
 Camera and film kits, Combination. Ansco Company. 170,162; July 10; Serial No. 169,798; published Apr. 3, 1923.
 Lens blanks, Ophthalmic-. Sussfeld, Lorsch & Schimmel. 170,291; July 10; Serial No. 176,766; published Apr. 17, 1923.
 Lenses and blanks, Ophthalmic. Sussfeld, Lorsch & Schimmel. 170,292; July 10; Serial No. 176,767; published Apr. 17, 1923.
 Lenses and frames for eyeglasses and spectacles. Baltimore Optical Company. 170,007; July 10; Serial No. 172,929; published Apr. 3, 1923.
 Navigational apparatus. C. E. Arundel. 170,361; July 10.
 Photographic paper, Sensitized. Republic Photographic Corporation. 170,239; July 10; Serial No. 174,336; published Apr. 3, 1923.
 Pictures, Motion. Chaplin Classics, Inc. 170,203; July 10; Serial No. 173,072; published Apr. 3, 1923.

CLASS 27.

Watches, Watch movements, and parts of the same. Hipp. Didisheim Company. 169,952; July 10; Serial No. 174,618; published Apr. 3, 1923.
 Watches, watch movements, and parts of the same. Hipp. Didisheim Company. 169,953; July 10; Serial No. 174,620; published Apr. 3, 1923.
 Watches, watch movements, and parts of the same. Hipp. Didisheim Company. 169,954-5; July 10; Serial Nos. 174,622-3; published Apr. 3, 1923.
 Watches, watch movements, and parts of the same. Hipp. Didisheim Company. 169,957; July 10; Serial No. 174,624; published Apr. 3, 1923.

CLASS 28.

Pearls, Artificial. Henshel Co. Inc. 170,027; July 10; Serial No. 173,597; published Apr. 3, 1923.
 Pins, belt buckles, bracelets, brooches, neck chains, etc., Bar. Dinhofer Bros. Inc. 170,037; July 10; Serial No. 173,918; published Apr. 3, 1923.

CLASS 29.

Brooms. C. N. Cramer Company. 169,964; July 10; Serial No. 174,891; published Apr. 17, 1923.
 Mops and mopsticks. Beaton & Cadwell Manufacturing Company. 170,052; July 10; Serial No. 175,760; published Apr. 17, 1923.
 Toothbrushes. P. B. T. Williams. 170,168-9; July 10; Serial Nos. 176,889-90; published Apr. 17, 1923.
 Toothbrushes. P. B. T. Williams. 170,309; July 10; Serial No. 176,391; published Apr. 17, 1923.
 Toothbrushes. P. B. T. Williams. 170,353; July 10.

CLASS 31.

Refrigerating and ice-making apparatus. Winter Machine Company. 169,995; July 10; Serial No. 145,864; published Apr. 3, 1923.
 Refrigerating apparatus, Artificial. Freezerator Co. 175,119; July 10; Serial No. 163,512; published Apr. 3, 1923.

CLASS 34.

Oil burners. D. Perry. 170,225; July 10; Serial No. 154,458; published Jan. 9, 1923.
 Ranges and gas and coal heaters, Gas and combination coal and gas. A. H. Tinnerman. 170,098; July 10; Serial No. 169,261; published Apr. 10, 1923.
 Stoves, Cooking, heating, and gas. F. A. Klaine. 23,474; renewed Aug. 8, 1923.
 Stoves, furnaces, radiators, etc., Cooking and heating. Holbrook, Merrill & Stetson. 170,137; July 10; Serial No. 162,409; published Apr. 3, 1923.
 Stoves, ranges, furnaces. Minnesota Stove Company. 170,265; July 10; Serial No. 106,453; published July 4, 1922.
 Torches, Preheating. Weldit Company. 170,077; July 10; Serial No. 166,965; published Apr. 3, 1923.

CLASS 35.

Belting, Rubber and fabric. New York Belting and Packing Company. 170,312; July 10; Serial No. 175,320; published Apr. 3, 1923.
 Belting, Rubber and fabric. New York Belting and Packing Company. 170,313; July 10; Serial No. 175,322; published Apr. 3, 1923.
 Belts, Driving. Rossendale Belting Company. 19,470; renewed May 12, 1921.
 Brake lining. Johns-Manville, Incorporated. 170,062; July 10; Serial No. 172,046; published Apr. 3, 1923.

Brake lining and clutch-disk facing, Asbestos. Asbestos and Allied Products Co. 170,227; July 10; Serial No. 174,813; published Apr. 3, 1923.

Brake linings. United & Globe Rubber Company. 169,997; July 10; Serial No. 144,166; published Apr. 26, 1921.

Fire hose, Cotton. Wm. & Chas. Beck, Inc. 170,311; July 10; Serial No. 175,124; published Apr. 3, 1923.

Hose, belting, and packing. Voorhees Rubber Mfg. Co. 170,255; July 10; Serial No. 171,003; published Apr. 3, 1923.

Rubber jar rings. Cupples Company Manufacturers. 170,129; July 10; Serial No. 158,380; published May 30, 1922.

Tire patch, Self-vulcanizing. L. A. Finstick. 170,094; July 10; Serial No. 169,582; published Apr. 3, 1923.

Tires, tubes, patches, hose, etc., Rubber. Stanley Ghd-den Co. 170,207; July 10; Serial No. 121,766; published Apr. 10, 1923.

CLASS 36.

Music rolls for automatic pianos, Perforated. Juan Bautista Blancafort S. en C. 170,209; July 10; Serial No. 141,348; published Apr. 3, 1923.

CLASS 37.

Blotters. Standard Paper Manufacturing Co. 170,116; July 10; Serial No. 161,283; published Apr. 3, 1923.

Crayons, chalks, and pencils. American Crayon Company. 170,248; July 10; Serial No. 171,440; published Apr. 3, 1923.

Display stands or easels. C. W. Lasher, jr. 170,271; July 10; Serial No. 174,251; published Apr. 10, 1923.

Letterheads, envelopes, report blanks, etc. Supreme Orient O. O. H. & P. 169,998; July 10; Serial No. 145,597; published Apr. 3, 1923.

Paper and mailing envelopes, Writing and printing. Chapin & Gould Paper Company. 170,288; July 10; Serial No. 176,114; published Apr. 10, 1923.

Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Co. 170,308; July 10; Serial No. 176,437; published Apr. 10, 1923.

Paper and paper towels, Toilet. Wortendyke Manufacturing Co. 170,252; July 10; Serial No. 171,192; published Apr. 3, 1923.

Paper, Cover. Peninsular Paper Company. 170,333; July 10.

Paper, envelopes, and papeteries. Birnie Paper Company. 170,286-7; July 10; Serial Nos. 176,876-7; published Apr. 10, 1923.

Paper, envelopes, etc. J. C. Blair Company. 170,323; July 10; Serial No. 175,706; published Apr. 3, 1923.

Paper, Waxed. Himmer Brothers Co. 170,297; July 10; Serial No. 175,394; published Apr. 10, 1923.

Paper, Wrapping. McLaurin-Jones Co. 170,273; July 10; Serial No. 174,147; published Apr. 10, 1923.

Papers and mailing envelopes, Writing and printing. Whiting Paper Company. 170,347-8; July 10.

Papers, Book. Kimberly-Clark Company. 170,320-2; July 10; Serial Nos. 175,662-4; published Apr. 3, 1923.

Pencils. H. C. Hobbs. 170,204; July 10; Serial No. 173,132; published Mar. 13, 1923.

Stationers' supplies. Hawkes-Jackson Company. 170,352; July 10.

CLASS 38.

Magazine published quarterly. Catholic Students' Mission Crusade. 170,109; July 10; Serial No. 158,224; published June 13, 1922.

Newspaper, Daily. Oklahoma Publishing Company. 170,041; July 10; Serial No. 174,973; published Apr. 17, 1923.

Newspaper, Daily. Oklahoma Publishing Company. 170,045; July 10; Serial No. 175,152; published Apr. 17, 1923.

Periodical, Weekly. Walter Reed General Hospital. 170,272; July 10; Serial No. 174,189; published Apr. 17, 1923.

Publication. Post-Time Publishing Co. 170,050; July 10; Serial No. 175,323; published Apr. 17, 1923.

Publications, Periodical. B. T. Shields. 169,965; July 10; Serial No. 174,927; published Apr. 17, 1923.

CLASS 39.

Boots and shoes, Leather. Geo. E. Keith Company. 170,219; July 10; Serial No. 152,760; published Apr. 3, 1923.

Boots and shoes, Women's. Globe Shoe Company. 170,166; July 10; Serial No. 169,900; published Apr. 3, 1923.

Coats, vests, pants, and knickerbockers, Men's and boys'. Goodall Worsted Co. 170,138; July 10; Serial No. 162,546; published Apr. 10, 1923.

Gaiters of leather, fabric, and combination. F. H. Timson. 170,161; July 10; Serial No. 169,731; published Apr. 3, 1923.

Garments, Men's, women's, and children's outer. Shirek & Hirsch. 170,117; July 10; Serial No. 162,461; published Oct. 10, 1922.

Gloves. Fownes Brothers & Co. 23,017; renewed May 16, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 170,020; July 10; Serial No. 173,475; published Apr. 10, 1923.

Gowns and pyjamas. Burnham, Stoepel & Company. 170,338; July 10.

Hats, Men's. Gimbel Brothers, Incorporated. 169,979; July 10; Serial No. 166,944; published Apr. 10, 1923.

Hats, Men's. Long's Hat Stores. 170,350-1; July 10.

Heel protectors, Leather. P. Smith. 170,359; July 10.

Hosiery. Platt's. 170,143; July 10; Serial No. 163,170; published Apr. 10, 1923.

Hosiery. George Wills and Sons, Ltd. 169,967; July 10; Serial No. 163,722; published Apr. 3, 1923.

Hosiery supporters. Komdo Novelty Co. 170,091; July 10; Serial No. 170,201; published Apr. 3, 1923.

Hosiery, Women's. Marshall Field & Company. 170,146; July 10; Serial No. 158,115; published Apr. 24, 1923.

Pants, overalls, jumpers and work shirts, children's overalls and rompers, Men's working. Standard Tent & Awning Company. 170,335; July 10.

Rubber boots and shoes. La Crosse Rubber Mills Co. 170,087; July 10; Serial No. 170,489; published Apr. 3, 1923.

Rubber heels. Armstrong Cork Company. 170,115; July 10; Serial No. 159,828; published Apr. 3, 1923.

Rubber heels. Tee Pee Rubber Company. 170,096; July 10; Serial No. 169,372; published Apr. 3, 1923.

Shirts, collars, pyjamas, night wear, etc., Dress and negligee. Excello Shirt Co. 170,125; July 10; Serial No. 164,699; published Mar. 20, 1923.

Shirts, Men's and boys' dress and negligee. Excello Shirt Co. 170,068; July 10; Serial No. 165,363; published Jan. 30, 1923.

Shirts, textile underwear, etc., Men's and boys'. Bob & Baskind. 170,334; July 10.

Shoes. Fiebrich-Fox-Hilker Shoe Company. 170,021; July 10; Serial No. 173,480; published Apr. 3, 1923.

Shoes. Fiebrich-Fox-Hilker Shoe Company. 170,023; July 10; Serial No. 173,481; published Apr. 3, 1923.

Shoes. Melville Shoe Corporation. 170,095; July 10; Serial No. 169,406; published Apr. 10, 1923.

Shoes, slippers, and cloth spats. Rubin Bros. Foot-Wear. 170,093; July 10; Serial No. 169,826; published Apr. 3, 1923.

Shoes, slippers, and cloth spats. Rubin Bros. Foot-Wear. 170,163; July 10; Serial No. 169,827; published Mar. 6, 1923.

Skirts for girls, Outer. Hirshfield Skirt Co. 170,360; July 10.

Soles and heels for footwear, Composition. A. Konoff. 170,005; July 10; Serial No. 156,835; published Apr. 11, 1922.

Suits and overcoats, Men's ready-made. L. Shapiro. 170,142; July 10; Serial No. 163,117; published Apr. 3, 1923.

Underwear and gloves. Walker Stetson Company. 170,332; July 10.

Underwear, Children's. Waterville Textile Mills, Inc. 170,073; July 10; Serial No. 166,210; published Dec. 12, 1922.

Underwear, Children's knit. J. H. Semel & Co. 170,145; July 10; Serial No. 163,653; published Apr. 10, 1923.

Underwear, sport hats, hosiery, etc., Ladies'. William M. Grant & Son. 170,123; July 10; Serial No. 164,104; published Oct. 10, 1922.

CLASS 40.

Snap fasteners. S. Glemby's Sons Co. 170,355; July 10.

CLASS 42.

Cotton fabric in the piece. Manhasset Manufacturing Company. 170,261; July 10; Serial No. 170,440; published Jan. 30, 1923.

Cotton goods in the piece. Nap. Eustathopoulos & Fils. 170,072; July 10; Serial No. 165,990; published Apr. 3, 1923.

Cotton piece goods. Cohn Hall Marx Co. 169,956; July 10; Serial No. 174,655; published Apr. 10, 1923.

Cotton piece goods. Ely & Walker Dry Goods Company. 170,310; July 10; Serial No. 176,017; published Apr. 10, 1923.

Cotton piece goods. W. R. Grace & Co. 170,229; July 10; Serial No. 174,898; published Apr. 3, 1923.

Cotton piece goods. John P. King Manufacturing Co. 170,357; July 10.

Cotton piece goods. Nathan & Cohen Co. 170,317; July 10; Serial No. 175,509; published Apr. 3, 1923.

Cotton piece goods. Neuss, Hesslein & Co. 169,958; July 10; Serial No. 174,667; published Apr. 10, 1923.

Cotton piece goods. Charles L. Poor Co. 170,183; July 10; Serial No. 176,035; published Apr. 10, 1923.

Cotton piece goods. Charles L. Poor Co. 170,184; July 10; Serial No. 176,038; published Apr. 10, 1923.

Cotton piece goods. Louis Siegbert & Bro. 170,235; July 10; Serial No. 174,037; published Apr. 3, 1923.

Cotton piece goods, pillowcases, and sheets. Postex Cotton Mills. 170,344; July 10.

Cotton, silk, and woolen piece goods. Lutz & Zuellig. 170,211-2; July 10; Serial Nos. 142,219-20; published Apr. 10, 1923.

Gingham in the piece. Marshall Field & Company. 170,337; July 10.

Ginghams in the piece. Henry Glass & Co. 170,230; July 10; Serial No. 173,820; published Apr. 3, 1923.
 Hair nets. Ad-Packed Hair Net Co. 170,173-4; July 10; Serial No. 176,242-3; published Apr. 10, 1923.
 Hair nets. Ad-Packed Hair Net Co. 170,176-7; July 10; Serial Nos. 176,240-1; published Apr. 10, 1923.
 Handkerchiefs. T. B. Lamb. 170,110; July 10; Serial No. 159,096; published Apr. 3, 1923.
 Handkerchiefs. Western Bottle Manufacturing Company. 170,186; July 10; Serial No. 176,139; published Apr. 10, 1923.
 Handkerchiefs. Western Bottle Manufacturing Company. 170,182; July 10; Serial No. 176,144; published Apr. 10, 1923.
 Linen and cotton piece goods, towels, handkerchiefs, napkins, etc. Derryvale Linen Co. 170,250; July 10; 171,263; published Mar. 6, 1923.
 Pillow and bolster cases, bed sheets, shams, scarfs, table covers, and napkins. Washington Embroidery Co. 169,963; July 10; Serial No. 174,805; published Apr. 10, 1923.
 Sheets and pillowcases. Marshall Field & Company. 169,991; July 10; Serial No. 140,289; published Apr. 10, 1923.
 Shoe fabrics. Peters Manufacturing Company. 170,179; July 10; Serial No. 176,209; published Apr. 10, 1923.
 Silk goods in the piece. Salembier & Clay, Inc. 170,185; July 10; Serial No. 176,045; published Apr. 10, 1923.
 Silk goods in the piece. Broad. Lenapé Silk Company. 170,044; July 10; Serial No. 175,089; published Apr. 10, 1923.
 Silk piece goods. Duplan Silk Corporation. 170,315; July 10; Serial No. 175,473; published Apr. 3, 1923.
 Silks, silk and cotton mixtures, cotton goods, linens, and draperies. Marbletex Co. 170,057; July 10; Serial No. 175,938; published Apr. 10, 1923.
 Voile. Fred Butterfield & Co. 170,339; July 10.
 Wool and cotton admixture piece goods. Samuel Kirk & Sons, Limited. 169,989; July 10; Serial No. 132,052; published Apr. 3, 1923.
 Woolen piece goods. Forstmann & Huffmann Company. 170,316; July 10; Serial No. 175,482; published Apr. 3, 1923.
 Woolen piece goods. Hager, Clark & Co. 170,233; July 10; Serial No. 174,007; published Apr. 3, 1923.
 Worsted piece goods. W. M. Biggar & Co. 170,236; July 10; Serial No. 174,165; published Apr. 3, 1923.
 Woven fabrics, imported. H. Baechtold. 170,234; July 10; Serial No. 174,032; published Apr. 3, 1923.

CLASS 43.

Cotton, cotton thread, cotton yarn, Spool, sewing, etc. American Thread Company. 170,056; July 10; Serial No. 175,910; published Apr. 10, 1923.
 Thread and yarn. N. Chertoff, Inc. 170,132; July 10; Serial No. 159,140; published Apr. 3, 1923.
 Yarn. Wm. H. Horstmann Company. 170,016; July 10; Serial No. 172,475; published Apr. 3, 1923.
 Yarn. C. D. Newell. 169,973; July 10; Serial No. 165,756; published Jan. 9, 1923.
 Yarns for knitting, crocheting, and art needlework. Bernhard Ulmann Co. 170,170; July 10; Serial No. 176,382; published Apr. 10, 1923.
 Yarns for knitting, crocheting, and art needlework. Bernhard Ulmann Co. 170,171; July 10; Serial No. 176,379; published Apr. 10, 1923.
 Yarns for knitting, crocheting, and art needlework. Bernhard Ulmann Co. 170,172; July 10; Serial No. 176,375; published Apr. 10, 1923.

CLASS 44.

Dental floss. H. C. Hochstadter. 169,946; July 10; Serial No. 174,392; published Apr. 10, 1923.
 Dental suction plates. C. T. Magner. 169,982; July 10; Serial No. 167,779; published Apr. 10, 1923.

CLASS 45.

Beverage sold as a soft drink. A. Demetruilas. 170,354; July 10.
 Beverage sold as a soft drink and flavoring sirups, etc., used in preparation of the same. Forst Products Co. 170,289; July 10; Serial No. 176,172; published Apr. 17, 1923.
 Beverages, Carbonated. Hiram Wheaton & Sons. 22,778; renewed Apr. 11, 1923.
 Beverages sold as soft drinks and sirups for making the same. H. Kirsch & Co. 170,049; July 10; Serial No. 175,400; published Apr. 17, 1923.
 Beverages sold as soft drinks and sirups for making the same. Society Club Beverage Corporation. 170,051; July 10; Serial No. 175,411; published Apr. 17, 1923.
 Beverages sold as soft drinks and sirups used in the preparation of same. J. R. Reynolds. 170,290; July 10; Serial No. 176,217; published Apr. 17, 1923.
 Grape juice and apple juice. Paul De Laney Co. Inc. 170,294; July 10; Serial No. 175,772; published Apr. 17, 1923.
 Water, ginger ale, phosphate, ozonate, and carbonated beverages, Mineral. White Rock Mineral Spring Company. 23,873, renewed Nov. 28, 1923.

CLASS 46.

Bread. Corby Baking Company. 169,987; July 10; Serial No. 94,532; published Apr. 3, 1923.

Candies. Robert A. Johnston Co. 170,160; July 10; Serial No. 169,715; published Apr. 3, 1923.
 Candies. Mason, Au & Magenheimer Confectionery Manufacturing Company. 170,155; July 10; Serial No. 168,978; published Apr. 3, 1923.
 Candies. W. F. Schrafft & Sons Corporation. 170,113; July 10; Serial No. 159,327; published Apr. 3, 1923.
 Candy. Crescent Creole Candy Co. 169,988; July 10; Serial No. 130,160; published Mar. 6, 1923.
 Candy. New England Confectionery Company. 170,001; July 10; Serial No. 154,812; published Apr. 3, 1923.
 Candy. New England Confectionery Company. 170,002; July 10; Serial No. 154,815; published Apr. 3, 1923.
 Candy. United Retail Candy Stores, Inc. 169,992; July 10; Serial No. 140,358; published Mar. 22, 1921.
 Candy. Wiegel Candy Co. 169,968; July 10; Serial No. 164,017; published Apr. 10, 1923.
 Candy, Chocolate. Advance Candy Mfg Corp. 170,124; July 10; Serial No. 164,356; published Apr. 3, 1923.
 Canned figs. Food Products Co. 170,280; July 10; Serial No. 172,873; published Apr. 17, 1923.
 Canned fruits and vegetables. Williamette Valley Canneries, Inc. 169,981; July 10; Serial No. 167,443; published Apr. 10, 1923.
 Canned fruits and vegetables, dried fruits, etc. P. R. Weidner. 170,150; July 10; Serial No. 168,343; published Apr. 3, 1923.
 Canned ripe olives. J. J. Hoev. 170,105; July 10; Serial No. 168,364; published Apr. 10, 1923.
 Canned salmon. Sea Coast Packing Co. 170,103; July 10; Serial No. 168,647; published Apr. 10, 1923.
 Canned vegetables and fish, molasses, and fruit preserves. Joannes Bros. Co. 170,282; July 10; Serial No. 172,745; published Apr. 17, 1923.
 Canned vegetables and sweet mixed pickles. American Pickle & Canning Co. 169,976; July 10; Serial No. 166,622; published Apr. 10, 1923.
 Cantaloupes, Fresh. T. H. Popper. 170,118; July 10; Serial No. 162,949; published Apr. 3, 1923.
 Chocolates and candies. E. Greenfield's Sons. 170,088-9; July 10; Serial Nos. 170,383-4; published Apr. 10, 1923.
 Coffee. Old Dutch Mills, Inc. 170,220; July 10; Serial No. 153,256; published Dec. 5, 1922.
 Edible article of manufacture or sweetmeat. Polar Cake Co. 170,120; July 10; Serial No. 163,944; published Dec. 5, 1922.
 Flavoring preparation for food products. Francis H. Leggett & Company. 170,164; July 10; Serial No. 169,859; published Apr. 3, 1923.
 Fudge bars, Chocolate-coated. A. B. Mewhinney Co. 170,139; July 10; Serial No. 162,564; published Apr. 10, 1923.
 Honey. L. R. Nolen. 170,156; July 10; Serial No. 169,072; published Apr. 3, 1923.
 Horse-radish. R. J. Diekemper. 170,281; July 10; Serial No. 172,867; published Apr. 17, 1923.
 Ice cream. Watson & Aven. 170,157; July 10; Serial No. 169,343; published Apr. 3, 1923.
 Liquid compound. L. Demartini Supply Company. 169,993; July 10; Serial No. 141,417; published Nov. 29, 1922.
 Malt extract. Chicago Malt Extract Co. 170,102; July 10; Serial No. 168,754; published Apr. 10, 1923.
 Malt extract and other food for infants and invalids. Herlicks Food Company. 23,791; renewed Nov. 7, 1923.
 Meat products. Hygrade Provision Co. 170,210; July 10; Serial No. 138,568; published Apr. 10, 1923.
 Oils for mechanical and food purposes, Cottonseed. American Cotton Oil Company. 23,776; renewed Oct. 31, 1923.
 Paprika and spices. E. Miltenberg, Inc. 170,158; July 10; Serial No. 169,407; published Apr. 3, 1923.
 Pickles, Crystallized sweet. L. Curtiss. 170,071; July 10; Serial No. 165,913; published Mar. 27, 1923.
 Potatoes. C. Hechtman. 170,092; July 10; Serial No. 169,902; published Apr. 10, 1923.
 Pudding, pie, and layer-cake filling. W. H. Simonsen. 170,099; July 10; Serial No. 169,186; published Apr. 10, 1923.
 Salad dressing. F. L. Kayack. 170,262; July 10; Serial No. 170,435; published Apr. 3, 1923.
 Shortening, lard substitute, Vegetable. Jefferson Co. 170,221; July 10; Serial No. 153,551; published Apr. 10, 1923.
 Tea. Lam, Glines & Co. 170,078; July 10; Serial No. 167,137; published Apr. 3, 1923.

CLASS 48.

Malt extract. R. W. Murray & Co. 170,040; July 10; Serial No. 174,970; published Apr. 10, 1923.

CLASS 50.

Awnings and tarpaulins. Indianapolis Tent & Awning Company. 170,015; July 10; Serial No. 172,538; published Apr. 3, 1923.
 Bottle caps. American Bottle Cap Co. 169,996; July 10; Serial No. 151,777; published Apr. 3, 1923.
 Buttons, shoe ornaments, badges, and emblems. Hinckley Manufacturing Co. 170,070; July 10; Serial No. 165,552; published Apr. 3, 1923.
 Signs, advertising boards, and painted board signs, Sheet-metal bill. G. Minck. 170,100; July 10; Serial No. 169,136; published Apr. 10, 1923.

ALPHABETICAL LIST OF LABELS.

- Artesia. For Table Water. Pabst Corporation. 26,188; July 10.
- Balanced. For Bread. D. P. Woolley. 26,213; July 10.
- Better Berries Grown in Santa Margarita Valley Gardens. For Fresh Berries. Santa Margarita Valley Gardens Association. 26,200; July 10.
- Betty Brown. For Bread. D. P. Woolley. 26,212; July 10.
- Blue Bird. For Toilet Paper. Interlake Tissue Mills Co. 26,175; July 10.
- Bunny Cleaner. For a Water Softener and Washing Powder. M. L. Keagy. 26,180; July 10.
- Burgess 'A' Battery. For Electric Batteries. Burgess Battery Company. 26,164; July 10.
- Copley, The Men's Store Of New England, A Separate Store In A Separate Building. For Men's Stockings and Socks. Jordan Marsh Company. 26,177; July 10.
- Copley, The Men's Store Of New England, A Separate Store In A Separate Building. For Men's Vests. Jordan Marsh Company. 26,178; July 10.
- Copley, The Men's Store Of New England, A Separate Store In A Separate Building. For Men's Sweaters. Jordan Marsh Company. 26,179; July 10.
- Dance Series No. 1. For Talking-Machine Sound Records. National Music Lovers, Inc. 26,184; July 10.
- Dayly Bread. For Bread. Package Paper & Supply Corporation. 26,190; July 10.
- Don Julian Tampa Whiffs. For Cans and Baxes Containing Cigars. Gradiatz, Annis & Co. 26,170; July 10.
- Dr. A. Peters' Tuberosum Pyorrhea Remedy. For Bottles Containing the Liquid. Tuberosum Pyorrhea Co. 26,205; July 10.
- Extra Fine. For Bread. D. P. Woolley. 26,215; July 10.
- Finetex. For Bread. D. P. Woolley. 26,219; July 10.
- Fortune Shells. For Macaroni. Fortune Products Company. 26,166; July 10.
- Glynco Brand Shrimp. For Canned Shrimp. Glynn Canning Company. 26,169; July 10.
- Hair Nets. For Hair Nets. Theo. H. Gary Co. 26,168; July 10.
- Heller's Fancy-Pastry Dessert Powder. For a Preparation for Use in Making Desserts. B. Heller & Company. 26,172; July 10.
- Home Kraft. For Bread. D. P. Woolley. 26,217; July 10.
- Hoye's Sparkling Whisko. For Beverages. S. M. Hoye. 26,173; July 10.
- I-S. For Bread. S. E. Loveless. 26,181; July 10.
- Interlake. For Toilet Paper. Interlake Tissue Mills Co. 26,174; July 10.
- Kelp Iodized Water. For Medical Preparation. H. A. Morriss. 26,182; July 10.
- Lady Betty. For Bread. D. P. Woolley. 26,211; July 10.
- Likaslice. For Bread. D. P. Woolley. 26,214; July 10.
- Live Long. For Bread. D. P. Woolley. 26,210; July 10.
- Lydia Darrah. For Candy. Lydia Darrah Candy Shops, Inc. 26,165; July 10.
- Mello-Freeze. For a Preparation for Use in Improving Ice Cream and in Conditioning the Ice Cream Mix. B. Heller & Company. 26,171; July 10.
- Muh-Juhng, The Great Chinese Game. For Game Devices for Playing the Said Chinese Game. Regenstein Corporation. 26,195; July 10.
- Oxidene. For Powder for Malodorous, Galled, Calloused, Cracked, or Sore Feet, Body-Perspiration Odors, Sunburn, and Prickly Heat. Realneed Products Co. 26,192; July 10.
- Pabst Malt Syrup. For Malt Sirup. Pabst Corporation. 26,187; July 10.
- Penela. For Hair Nets. Rieser Company. 26,198; July 10.
- Personality Linen. For Boxes Containing Stationery. Western Tablet and Stationery Company. 26,208; July 10.
- Rawleigh's Good Health Talcum. For Talcum. W. T. Rawleigh Company. 26,191; July 10.
- Reckord Brand Tomatoes. For Cans Containing Tomatoes. Reckord Bros. 26,193; July 10.
- Reynolds' Reliance. For Coffee. Wm. T. Reynolds & Co. 26,196; July 10.
- Rich's Best. For Rolled Oats. Rich Brothers Cereal Company. 26,197; July 10.
- Romolo. For Macaroni. R. C. Ajello. 26,161; July 10.
- Rovina. For Hair Nets. Rieser Company. 26,199; July 10.
- Sally Brown. For Bread. D. P. Woolley. 26,218; July 10.
- Sharp's Super-Kreem Toffee. For Toffee. Edward Sharp & Sons Ltd. 26,201; July 10.
- Sun-Maid Raisinut Chocolates. For Boxes Containing Chocolates. Sun-Maid Raisin Growers. 26,202-4; July 10.
- Sunflower. For Roofing. Foster Lumber Company. 26,167; July 10.
- Superfine. For Bread. D. P. Woolley. 26,216; July 10.
- Susquehanna Brand Tomatoes. For Cans Containing Tomatoes. Reckord Bros. 26,194; July 10.
- Sweethome Chocolates. For Chocolates. Apex Chocolate Company. 26,162; July 10.
- Tender Crust. For Bread. D. P. Woolley. 26,209; July 10.
- The Best Nipple. For Pipe Nipples. Fred Pabst Company. 26,189; July 10.
- The Best Tonic. For General Medicinal Tonic. Pabst Corporation. 26,186; July 10.
- The Mystic Finger. For a Toy. Block-Walsh Corporation. 26,163; July 10.
- The Variety Box. For Candy. Norris Inc. 26,185; July 10.
- 3 Cell Eveready Flashlight Battery. For Electric Batteries. National Carbon Company. 26,183; July 10.
- TuT. For Nonalcoholic Beverages. M. E. Vaughan. 26,202; July 10.
- Waldes Trusty. For Cards Containing Snap Fasteners. Waldes & Company. 26,207; July 10.
- White Cross. For Toilet Paper. Interlake Tissue Mills Co. 26,176; July 10.

ALPHABETICAL LIST OF PRINTS.

- Amortized Mortgages. What They Are and Why We Urge Them. For Amortized Mortgages. A. J. Wilson. 6,818; July 10.
- Another great achievement by the Squibb Laboratories. For Squibb's Magnesia Dental Cream. E. R. Squibb & Sons. 6,816; July 10.
- Eternal Bliss. For Finger Rings. H. E. Kaplan. 6,804; July 10.
- Getting the most out of life. For Athletic Underwear. B. V. D. Company, Inc. 6,788; July 10.
- Haynes 77. For Automobiles. Haynes Automobile Co. 6,798; July 10.
- Inevitably. For Gas Ranges. Geo. D. Roper Corporation. 6,812; July 10.
- It Was Thus Intended. For Drugs. E. R. Squibb & Sons. 6,814; July 10.
- Knicker Boston Garter. For Man's Garters. George Frost Company. 6,797; July 10.
- Little Stories of Success For Vanilla Extracts. Consumers Distributing Co. 6,791; July 10.
- Little Women Dress Co. For Dresses. Little Women Dress Co. 6,805; July 10.
- Most Snailes Per Gallon. For Gasoline and Oils. Hygrade Oil & Fuel Corporation. 6,802; July 10.
- Motion Picture Memory Contest. For Motion Pictures. J. C. Jessen. 6,803; July 10.
- "Onyx" Hosiery. For Hosiery. Emery & Beers Company. 6,793-5; July 10.
- "Onyx" Hosiery. For Hosiery. "Onyx" Hosiery Inc. 6,810; July 10.
- Pickles in Patterns. For Heinz 57 Varieties (Food Products). H. J. Heinz Company. 6,799; July 10.
- Protected By Professional Honor. For Drugs. E. R. Squibb & Sons. 6,813; July 10.
- Pure Enough to Eat. For a Toilet Soap (Reuter's). Reuter-Barry, Inc. 6,811; July 10.
- Servants Of Science. For Drugs. E. R. Squibb & Sons. No. 6,815; July 10.
- Shoot the Plugs. For Plugs for Cleaning Condenser Tubes. Mannion & Arthur Co. 6,807; July 10.
- Snap-A Better Hair Waver. For Hair Wavers. McConnell Manufacturing Company. 6,806; July 10.
- T-O-T Turnover Gas Toaster. For Bread Toasters. Turn-Over-Toaster Company. 6,817; July 10.
- The Ace of Golf Balls. For Golf Balls. The Fair. 6,796; July 10.
- The Label Shows the Way to "B. V. D." For Athletic Underwear. B. V. D. Company. 6,789; July 10.
- Watch Your (In)-Step! For Arch Builders or Supports. Ohio Truss Co. 6,809; July 10.

Wellsworth Glasses All that Science can give, all that Artistry can add. For Spectacles and Eyeglasses. American Optical Company. 6,787; July 10.
 What is 'B. V. D.'? For Athletic Underwear. B. V. D. Company. 6,790; July 10.
 What Surprised The Chef. For Heinz 57 Varieties (Food Products) H. J. Heinz Company. 6,801; July 10.

World's Largest Exclusive Reproducing and Artist Grand Piano House. For Pianos of All Kinds. Moist Piano Company. 6,808; July 10.
 You Wouldn't drink from your saucer. For Papeteries. Eaton, Crane & Pike Company. 6,792; July 10.
 Your Friend And Ours—The Grocer. For Heinz 57 Varieties (Food Products) H. J. Heinz Company. 6,800; July 10.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 2.

Stonework articles, Ornamental. A. L. T. Rustic Company. 177,518; July 10.

CLASS 3.

Hand bags, Ladies'. Blum & Mittenenthal. 179,847; July 10.
 Harness, collars, saddlery, and parts thereof. W. W. Gleckner & Sons Co. 179,267; July 10.
 Horse collars. G. Bernd Company. 181,053; July 10.
 Trunks. Osterweil Bros. Inc. 180,771; July 10.

CLASS 4.

Cleaning compound for rugs. J. J. Swayne. 175,970; July 10.
 Metal-polishing compound. Danner Co. 131,017; July 10.
 Polish, Stove. Capitol Chemical Company. 162,721; July 10.
 Soap. Palisade Manufacturing Company. 176,357; July 10.

CLASS 5.

Glues, Powdered vegetable. Arabol Manufacturing Co. 179,641-2; July 10.
 Tire-repair compounds, adhesives, etc. Cahill & Malone. 179,708; July 10.

CLASS 6.

Balm and tablets for disorders of the liver and bowels. Pile. A. W. Bishop. 176,710; July 10.
 Cement to be used in stopping leaks in cooling systems of automobiles, etc. Fritz Radiator Cement Co. 177,663; July 10.
 Cheese and butter colors. Levring and Company. 178,449; July 10.
 Chemical products. Farbwerke vorm. Meister Lucius & Bruning. 165,584; July 10.
 Cough drops and lozenges. G. J. Bolduc. 177,032; July 10.
 Cough mixture. Stolz Bros. Davis Company. 176,227; July 10.
 Cream, Face. Inecto Incorporation. 175,990; July 10.
 Cream to be applied to the skin as an insect repellent. F. G. Shaw. 176,505; July 10.
 Dandruff remover, Liquid. S. P. Taylor. 178,575; July 10.
 Dentifrice, Liquid. Ortho Manufacturing Company. 178,276; July 10.
 Drink for chicks, Antiseptic. V. C. Getz. 177,292; July 10.
 Dyestuffs. H. A. Metz & Co. 178,563; July 10.
 Food tonic and general stimulant. Drug Products Co. 166,134; July 10.
 Hair dressing. S. S. Levy. 177,854; July 10.
 Hair tonic. G. H. Pound. 178,280; July 10.
 Hair tonics. V. M. Corso. 176,454; July 10.
 Insecticide. American Insecticide Co. 177,758; July 10.
 Insecticide. Southern Specialty Company. 178,292-3; July 10.
 Insecticide and deodorant. W. T. Johns. 174,902; July 10.
 Iodine preparation, Liquid. H. J. Novack. 178,626; July 10.
 Liniment. M. W. Sheffel. 177,111; July 10.
 Liquid medicaments and ointments for antiseptic uses, etc. Chloro Chemical Corporation. 178,592; July 10.
 Lotion, Face and hand. Remiller Co. 178,472; July 10.
 Lye. Pennsylvania Salt Manufacturing Company. 176,095-7; July 10.
 Medicinal preparation for pneumonia, etc. P. J. Gillen. 177,294; July 10.
 Medicinal preparations for colds and constipation. S. R. Dighton. 178,499; July 10.
 Medicine for the treatment of hog cholera. Mrs. N. F. Hoffman. 178,504; July 10.
 Medicine for the treatment of ingrowing toenails. L & W Mfg. Company. 177,445; July 10.
 Medicine used in cases of kidney and bladder troubles, etc. Organ-Iron Medicine Company. 178,461; July 10.
 Medicine used in cases of rheumatism, sciatica, etc. Organ-Iron Medicine Company. 178,460; July 10.

Medicine used in cases of stomach, liver, kidney, and bladder trouble, etc. Organ-Iron Medicine Company. 178,459; July 10.
 Motor saltz. B. R. Caswell. 175,298; July 10.
 Oil and ointment, Facial. Salon Viennese. 178,570; July 10.
 Oils, Essential. Essential Oil Company. 178,030; July 10.
 Perfume, toilet water, face, talcum, and sachet powders, etc. Houbigant, Inc. 177,379; July 10.
 Perfumes, toilet waters, face powder, etc. Paul Prot & Cie. 170,086; July 10.
 Petroleum jelly. Standard Oil Company of New York. 178,146; July 10.
 Pills, Cod-liver oil. Jenquins Laboratories. 178,252; July 10.
 Pills, Kidney and bladder. Stephens-Bradley Company. 177,462; July 10.
 Powder and cream, perfumes, toilet waters, etc., Face. C. A. Schwarze. 178,676; July 10.
 Powder for nursery and toilet use. Crystal Chemical Co. 178,554; July 10.
 Powders and creams, perfumes, toilet waters, etc., Face. A. Winarick. 177,720; July 10.
 Preparation for neuralgia and headache. Warren P. Rash Co. 177,621; July 10.
 Preparation for relief of colds, coughs, grippe, etc. J. T. Jones. 172,993; July 10.
 Preparation for removing corns and calli. E. C. De Witt & Co. 178,597; July 10.
 Preparation for the hair and scalp. G. P. Haldy. 177,737; July 10.
 Preparation for the prevention of excessive perspiration. San-I-Sal Laboratories, Inc. 177,519; July 10.
 Preparation for the relief of headache, pain, etc. Ethicus Prompt Treatment Kit, Inc. 177,729; July 10.
 Preparation for the treatment of all kinds of chronic bronchitis, phthisis, etc. First Texas Chemical Manufacturing Company. 177,598; July 10.
 Preparation for the treatment of cuts, cracks, and abrasions of the skin. H. & S. Products Co. 177,487; July 10.
 Preparation for the treatment of piles. C. F. Futrell. 178,500; July 10.
 Preparation for the treatment of rheumatism, neuritis, gout, etc. Vita-Sulphur Company. 177,639; July 10.
 Preparation, Stomach, F. X. Rondeau. 165,035; July 10.
 Preparations for treatment of constipation and its symptoms. Gotham Corporation. 177,040; July 10.
 Remedy, Germicidal. Unruh H. P. Co. 155,940; July 10.
 Rosh-destroying composition. W. Schilplin. 177,697; July 10.
 Salve, Cancer. Harry E. Ritter & Mary V. Gordon. 176,917; July 10.
 Salve for eczema, salt rheum, acne, etc. J. A. Bond. 171,061; July 10.
 Shampoo preparation. Dearborn Supply Company. 177,656; July 10.
 Shampoo, scalp, and hair oils, etc. Hall, Thralls & Co. 175,555; July 10.
 Sirups for the relief of coughs, colds, and bronchitis. San Antonio Drug Co. 176,656; July 10.
 Soporific. Merck & Co. 177,312; July 10.
 Tablets and salve for hemorrhoids. Cumberland Chemical Co. 178,167; July 10.
 Toilet preparation. Dearborn Supply Company. 177,657; July 10.
 Tonic compound. Cumberland Chemical Co. 178,166; July 10.
 Tonic, Female general. H. S. Gilbert. 177,733; June 10.
 Tonic for use in the treatment of anæmia, debility, stomach derangements, etc., Medical. W. H. Mathews. 177,447; July 10.
 Vegetable compound and system blood purifier. Wm. T. Hursh & Conn. 176,185; July 10.
 Zinc-oxide pads. Wizard Lightfoot Appliance Company. 178,322; July 10.

CLASS 7.

Rope and cable hoisting. Atlantic Elevator Company. 181,051; July 10.
 Wire rope and clothesline. G. F. Wright Steel & Wire Company. 169,510; July 10.

CLASS 8.

Pipes, cigar and cigarette holders, and tobacco pouches. Alfred Dunhill of London, Inc. 179,263; July 10.

CLASS 10.

Fertilizer. George C. Jones Incorporated. 180,704; July 10.
Fertilizers. Nitrate Agencies Company. 180,486; July 10.

CLASS 11.

Ink, Printing. Geo. H. Morrill Co. 156,499; July 10.

CLASS 13.

Faucets, cocks, etc. W. C. Grosser. 172,592; July 10.
Percolators, Aluminum. Tebbetts and Garland Store. 171,600; July 10.
Teapots, Aluminum. Tebbetts and Garland Store. 171,590; July 10.
Tubes. Anaconda Copper Mining Company. 177,062; July 10.
Valves, valve casings, etc., Pneumatic. A. Schrader's Son, Incorporated. 171,512; July 10.

CLASS 15.

Grease compound for lubricating purposes. A. B. Hutton. 180,009; July 10.
Lubricating compounds and greases. Otis Chemical Company. 181,087; July 10.
Oil, Cutting. Smith Oil & Refining Company. 180,629; July 10.
Oils and greases, Lubricating. Smith Oil & Refining Company. 180,628; July 10.

CLASS 16.

Artists' materials. Artists Brush and Color Corporation. 175,454; July 10.
Lacquers, lacquer thinners, and enamels. Egyptian Lacquer Manufacturing Company. 179,186; July 10.
Lead, White. Chadwick-Boston Lead Company. 175,344; July 10.
Paint remover. E. F. Miller. 166,747; July 10.
Paints, varnishes, fillers, and shellacs, Ready-mixed. S. Joseph & Son Co. 180,285; July 10.
Varnish. Breinig Brothers, Inc. 179,654; July 10.
Varnish. Benjamin Moore & Co. 180,769; July 10.
Varnish. Frank Bownes Company. 181,054; July 10.
Varnishes, varnish stain, enamels, etc. Sewall Paint & Glass Company. 180,814; July 10.
Waterproof refinisher. E. W. Woods. 177,886; July 10.
Wood paste filler, oil colors, enamel, etc. Edward E. Allen Mfg. Co. 179,078; July 10.

CLASS 17.

Cigars. T. F. Dutkanych. 180,171; July 10.
Cigars and smoking tobacco. Joseph Farfaglia & Co. 176,611; July 10.

CLASS 21.

Batteries and battery parts and supplies. Philadelphia Storage Battery Co. 177,616; July 10.
Electric time switches, light flashes, transformers, etc. J. Eckelkamp. 177,689; July 10.
Lamps, parts thereof, etc., Portable electric. American Electric Equipment Co. 175,754-5; July 10.
Lamps, parts thereof, etc., Portable electric. American Electric Equipment Co. 175,758; July 10.
Lamps, parts thereof, etc., Portable electric. Home Lighting Equipment Corporation. 175,792; July 10.
Lanterns, Electric. A. J. Cole. 177,036; July 10.
Radio apparatus. Domestic Electric Company. 169,626; July 10.
Radio receiving and transmitting sets. R. G. Cuthbert. 173,956; July 10.
Ranges and stoves, Electric. Tappan Stove Co. 172,449; July 10.
Spark plugs. T-N-T Spark Plug Company. 175,225; July 10.
Telephone jacks, plugs, and connections. Saturn Mfg. & Sales Co. 171,473; July 10.
Welding machines, cables, etc., Electric. Wilson Welder & Metals Company. 118,198; July 10.

CLASS 22.

Baseball bats. Hillerich & Bradsby Co. 180,431-4; July 10.
Golf clubs. Allied Golf Company. 169,272; July 10.
Toys, Electrical. Lionel Corporation. 163,099; July 10.

CLASS 23.

Bearings, Journal. Oregon Brass Works. 178,273; July 10.
Derricks, cranes, steam shovels, parts thereof, etc. J. Jacob Shannon & Co. 176,049; July 10.
Egg beaters. Turner & Seymour Manufacturing Co. 178,580; July 10.

Fruit presses. M. J. Brown. 166,498; July 10.
Lubricating apparatus, parts and fittings thereof, Detachable force-feed. Larkin Automotive Parts Company. 177,745; July 10.
Pumps. Unchokeable Pump, Limited. 177,252; July 10.
Tin openers, corkscrews, pocketknives, etc. G. Twellsick. 164,843; July 10.
Turbines and reduction gears. Kerr Turbine Co. 177,978; July 10.
Water-supply system, Automatic pneumatic. W. E. Dickey. 178,433; July 10.

CLASS 25.

Locks, Auto. Williams & Robeschaud. 180,570; July 10.
Safes. Steelcraft Corporation of America. 179,890; July 10.

CLASS 26.

Barometers. Taylor Instrument Companies. 179,495; July 10.
Educational appliances. Radio Motion Picture Phon. Corp. 178,282; July 10.
Gauges, indicators, etc., Fluid pressure. A. Schrader's Son, Incorporated. 180,084; July 10.
Gauges, Oil. D. A. Kafka. 181,029; July 10.
Humidity regulators. G. M. Parks Company. 179,621; July 10.
Lenses, eyeglasses, and spectacles. N. Smith. 180,815; July 10.
Ophthalmic mountings and parts thereof. Optical Specialty Manufacturing Company. 179,548; July 10.
Photographic films. Ansco Company. 178,797-807; July 10.
Photographic shutters. Eastman Kodak Company. 180,846; July 10.
Rules. Master Rule Mfg. Co. 177,044; July 10.
Temperature indicators, Thermoelectric. Safe-T-Stat Co. 180,143; July 10.

CLASS 27.

Watches, clocks, dials, etc. Hoffman Bros. Inc. 171,799; July 10.

CLASS 28.

Bracelets and earrings. Cohen & Rosenberger, Inc. 178,224; July 10.
Bracelets, wristlets, neck chains, etc. Eisenstadt Manufacturing Company. 180,211; July 10.
Jewelry. M. M. Mirabeau. 175,507; July 10.
Pearls. J. J. Felsenfeld. 180,332; July 10.
Pearls, Artificial. H. Levitan. 177,306; July 10.
Pearls, Artificial. D. W. Thomas, Incorporated. 179,975; July 10.
Rhinestones and chatons. E. Clar. 172,862; July 10.
Rings, Finger. H. E. Kaplan. 180,435; July 10.
Semiprecious stones. M. A. Barr. 179,844; July 10.

CLASS 29.

Toothbrushes. Geo. R. Gibson Co. 165,791; July 10.

CLASS 30.

Chinaware. Atlas China Company. 181,104; July 10.

CLASS 33.

Glassware, Table. Gimbel Brothers, Inc. 180,063; July 10.

CLASS 37.

Books and filing cards for bookkeeping purposes, Receipt. W. A. Ringler. 160,434; July 10.
Duplicating apparatus and accessories thereto, etc. D. Gestetner Limited. 178,175; July 10.
Paper, Bristol board, and cardboard. J. W. Butler Paper Co. 180,838; July 10.
Paper clips. Noesting Pin Ticket Company. 180,805; July 10.
Paper, Toilet. Peerless Mfg. Co. 179,678; July 10.
Paper, Toilet. Peerless Mfg. Company. 179,679; July 10.
Paper, Writing. Cincinnati Cordage & Paper Company. 174,554; July 10.
Paper, Writing. Fox River Paper Company. 180,533; July 10.
Stationery. Fred A. Wish, Incorporated. 180,641; July 10.

CLASS 38.

Publications, Periodical. American Agriculturalist, Inc. 178,204; July 10.

CLASS 39.

Apparel, Wearing. Childs Specialty House. 175,849; July 10.
Bathing suits, Knitted. Blue-Ribbon Knitting Mills. 175,063; July 10.
Boots and shoes. Crooker & Morse, Inc. 177,428; July 10.
Cloaks, suits, dresses. M. Kirschner & Sons. 178,345-6; July 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Coats, vests, trousers, overcoats, Men's. Franklin Clothes Shop, Inc. 174,134; July 10.
 Collars, Shirt. Geo. P. Ide & Co. 174,012; July 10.
 Dresses and aprons, Wash. John C. Michael Company. 177,313; July 10.
 Dresses and waists. Samuel M. Foster Company. 178,600; July 10.
 Dresses and waists. Pollak Bros. Company. 175,211; July 10.
 Dresses, Children's. Martha Maid Manufacturing Company. 178,367; July 10.
 Dresses, Ladies'. Lovinger-Schwartz Co. 179,414; July 10.
 Dresses, Ladies' and misses'. E. M. Thomas. 179,688; July 10.
 Dresses, skirts, waists, etc. J. Garfinkle. 174,362; July 10.
 Dresses, Women's and misses'. Mallas Cravis Co. 176,029; July 10.
 Frocks. Newman, Marcus & Torchia. 178,455; July 10.
 Garments, Knitted outer. Hawley Knitting Mills, Inc. 172,221; July 10.
 Hosiery. Chester Knitting Mills. 174,654; July 10.
 Hosiery. Chipman Knitting Mills. 177,359; July 10.
 Hosiery. E. Crutcher. 178,958; July 10.
 Hosiery. J. A. Custer. 178,227; July 10.
 Hosiery. Dalton Hosiery Mills. 176,720; July 10.
 Hosiery. Equity Hosiery Mills. 179,592; July 10.
 Hosiery. Jacob & Schey. 175,357; July 10.
 Hosiery. Miller Brothers Company. 179,158; July 10.
 Hosiery. Robischon Corporation. 179,557; July 10.
 Hosiery. Stamper & Kaiser. 177,630; July 10.
 Hosiery. J. P. Voorhees. 178,314; July 10.
 Hosiery and garters. Howard Hose and Garter Mfg. Co. 175,557; July 10.
 Hosiery and underwear, Silk. F. Robison. 179,166; July 10.
 Hosiery, Boys' and girls'. A. A. Wuest. 177,419; July 10.
 Hosiery, sweaters, and knitted underwear. A. H. Wittenberg. 178,321; July 10.
 Kimonos, bath robes, etc. Joseph Bros. 175,398; July 10.
 Kimonos, breakfast gowns, etc. Barsa Corporation. 178,021; July 10.
 Neckties. Stern, Merritt Co. 175,893-4; July 10.
 Neckties. Weisbaum Bros.-Leininger Company. 179,632; July 10.
 Overcoats. Meigs & Co. 179,376; July 10.
 Pants, overalls, etc., Men's working. Standard Tent & Awning Company. 174,943; July 10.
 Pyjamas. M. Wilber Dyer Company. 179,463; July 10.
 Rubber boots and shoes and arctic overshoes. Goodyear Rubber Company. 176,337; July 10.
 Shirts. A. Hartman. 175,866-8; July 10.
 Shirts and overalls, Work. Washington Manufacturing Co. 179,502; July 10.
 Shirts, Men's dress and negligee. Textile Shirt Company. 179,239; July 10.
 Shirts, Men's work. Reliance Manufacturing Company. 174,753; July 10.
 Shirts, pyjamas, nightshirts. Tauber, Lipton & Company. 173,612; July 10.
 Shors, Leather. Dugan & Hudson Co. 175,599; July 10.
 Sport clothes for women. Del Monte-Rickey. 174,202; July 10.
 Suits and overcoats. Scholderer & Aug, Inc. 174,979; July 10.
 Suits and overcoats, Men's ready-made. L. Shapiro. 177,626-7; July 10.
 Suits, Boys'. Parker-Bridget Company. 171,508; July 10.
 Suits, coats, trousers, etc., Men's. National Shirt Shops, Inc. 177,194; July 10.
 Suits, jackets, raincoats, etc. J. David. 174,894; July 10.
 Suits, topcoats, and ulsters, Men's. H. H. Cooper & Co. 174,560; July 10.
 Sweater coats. Waymart Knitting Mill. 178,199; July 10.
 Undergarments, Women's. H. B. Hoffman. 175,195; July 10.
 Underwear, Athletic and knitted. Riteweb Manufacturing Company. 178,285-6; July 10.
 Union and combination suits, undershirts, underdrawers. Superior Athletic Underwear Company 174,642; July 10.

CLASS 40.

Package outfit. L. H. Feldman. 174,517; July 10.

CLASS 41.

Umbrellas and parasols. J. Grossman. 176,342; July 10.

CLASS 42.

Bedspreads. Primrose Draperies, Inc. 180,493; July 10.
 Cloth and stuffs of wool and worsted. Pendle & Rivett Limited. 180,549; July 10.
 Cotton goods in the piece. David Schwartz Company. 180,558; July 10.
 Gingham piece goods. Neuburger & Company. 179,314; July 10.
 Gingham in the piece. Fred Butterfield & Co. 165,343; July 10.
 Hair nets. Be-Neet Manufacturing Co. 180,356; July 10.
 Hair nets. O. L. Stanard Dry Goods Co. 179,491; July 10.
 Hair nets, Women's. J. C. Penney Company. 180,491; July 10.
 Handkerchiefs. L. Bloch. 180,413; July 10.
 Pillowcases. Naumkeag Steam Cotton Co. 145,957-8; July 10.
 Poplins in the piece, Cotton. American Bleached Goods Company. 179,255; July 10.
 Silk, cotton, etc., piece goods. Société Rodier. 180,504; July 10.
 Silk, cotton, etc., piece goods. Société Rodier. 180,506; July 10.
 Silk fabrics in the piece. Cheney Brothers. 180,521; July 10.
 Tablecloths, napkins, doilies, etc. John C. Sleater Co. 177,701; July 10.
 Woolen goods in the piece. Worumbo Manufacturing Company. 180,351; July 10.
 Woolens and worsteds in the piece. Warmbirds, Inc. 180,312; July 10.

CLASS 43.

Thread, Sewing. Barbour Flax Spinning Co. 179,984; July 10.
 Yarns. E. A. Reed. 179,623; July 10.
 Yarns, Cotton. Old Colony Manufacturing Corporation. 180,237; July 10.
 Yarns for knitting, crocheting, and art needlework. Bernhard Ulmann Co. 180,199; July 10.

CLASS 44.

Ice bags and syringe fixtures. A. Schrader's Son, Incorporated. 180,243; July 10.
 Therapeutical apparatus called oxyhealer. S. Maeshima. 155,900; July 10.

CLASS 45.

Beverage sold as a soft drink. E. E. Carneal. 179,354; July 10.
 Beverage sold as a soft drink and sirups for making same. Sethness Company. 175,681; July 10.
 Ginger ale. Bartow Beverages, Inc. 180,832; July 10.
 Soda water. W. P. Courtney. 181,062; July 10.

CLASS 46.

Bacon, hams, and lard. George Little, Limited. 177,839; July 10.
 Butter and eggs. Gude Brothers, Kieffer Company. 174,442; July 10.
 Candy. Darling Sweets, Inc. 172,732; July 10.
 Candy. H. Dilas. 176,731; July 10.
 Candy. Rood Candy Company. 162,581; July 10.
 Canned and bottled goods. Waples-Platter Grocer Co. 175,287; July 10.
 Canned fruits and vegetables. S. S. Pierce Co. 177,995; July 10.
 Canned salmon. McGovern & McGovern. 176,904; July 10.
 Eggs. Gude Brothers, Kieffer Company. 174,440; July 10.
 Eggs. Gude Brothers, Kieffer Company. 174,443-4; July 10.
 Ginger, chutney, honey, etc. J. O. Taneyhill. 174,757; July 10.
 Gum Chewing. Listerated Gum Corporation. 178,399; July 10.
 Milk and baby foods, Powdered. Fraser Milk Products Co. 177,480; July 10.
 Peanuts prepared with meat extract. H. G. Craven. 158,815; July 10.

CLASS 48.

Beverage, Malt. S. Liebmans' Sons, Inc. 175,360; July 10.
 Malt extract. O. Thoma. 179,241; July 10.
 Malt extracts for beverage purposes, Combination of. H. D. Sterrick. 154,939; July 10.
 Sirup, Malt. M. Zigelman. 178,083; July 10.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- A C Spark Plug Company. (See Schmidt, Albert, assignor.)
 Aber, Ernest. (See Becker, E., and Aber.)
 Ackley, Kenneth A., Louisville, Ky. Carburetor. 1,461,470; July 10.
 Acme Motor Shield Corporation. (See McMullen, Joseph B., assignor.)
 Adams, Herbert J., Battle Creek, Mich. Circle-gauging instrument. 1,461,569; July 10.
 Adams, Ralph R., Yonkers, N. Y. Radioactive spray material. 1,461,340; July 10.
 Adams-Randall, Charles, New York, N. Y. Telegraphic receiving instrument. 1,461,568; July 10.
 Adelmann, Hens, assignor to Ham Boiler Corp., New York, N. Y. Ham boiler. 1,461,509; July 10.
 Aeberli, Adolf, Toronto, Ontario, and W. Dreyer, Lachine, Quebec, Canada. Carburetor. 1,461,104; July 10.
 Ainsworth, Albert A., Brooklyn, N. Y. Filing device. 1,461,570; July 10.
 Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
 Aktiengesellschaft Kummier & Matter. (See Wirth-Frey, Elias, assignor.)
 Aldobill Company. (See Harrington, Clinton O., assignor.)
 Aldrich, James H., Oakland, Calif. Nut-shelling machine. 1,461,410; July 10.
 Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,461,571; July 10.
 Allen, Charles S., Dawson, Ga. Tractor. 1,461,642; July 10.
 Almedia, Jose M., Rock Springs, Wyo. Rotary printing machine. 1,461,594; July 10.
 American Chain Company. (See Morris, William T., assignor.)
 American Chain Company. (See Reyburn, John R., assignor.)
 American Gasaccumulator Company. (See Fransson, Frans J., assignor.)
 American Optical Company. (See Arnold, Arthur A., assignor.)
 American Optical Company. (See Cozzens, Charles O., assignor.)
 American Optical Company. (See Pellow, Arthur, assignor.)
 American Optical Company. (See Schumacher, Elmer L., assignor.)
 American Optical Company. (See Tillyer, E. D., and Wixted, assignors.)
 American Tar Products Company. (See Puening, Franz, assignor.)
 American Telephone and Telegraph Company. (See Martin, De Loss K., assignor.)
 American Telephone and Telegraph Company. (See Moody, John F., assignor.)
 Anderson, Lorenzo N., Hawkinsville, Ga. Self-serving store. 1,461,374; July 10.
 Andresen, Peter N., and P. J. Jeffway, Salem, Oreg. Dirigible headlight. 1,461,341; July 10.
 Ansgore, Percy I., Brooklyn, N. Y. Lighting-fixture part. Des. 62,630; July 10.
 Armstrong, Percy A. E., Loudonville, N. Y. Making tubular bodies. 1,461,018; July 10.
 Arnold, Arthur A., assignor to American Optical Company, Southbridge, Mass. Lens holder. 1,461,078; July 10.
 Arrigoni, Ferdie, New York, N. Y. Oil cap. 1,461,436; July 10.
 Ashley, Frank M. (See Trust, H., and Ashley.)
 Austin, Frank H. (See Robertson, Robert, assignor.)
 Avery, Henry W., Cleveland, Ohio. Pipe thread protector. 1,461,595; July 10.
 Bachman, Rudolph W., assignor to U. S. Slicing Machine Company, Laporte, Ind. Sharpener for slicing machines. 1,461,105; July 10.
 Baginley, John A., Hoquiam, Wash. Doorbell. 1,461,019; July 10.
 Bailey, Albert E., Nashua, N. H. Conveyer system. 1,461,106; July 10.
 Balcom, Charles A. (See Reynolds, Joy S., assignor.)
 Ball and Socket Manufacturing Company, The. (See Goddard, Charles A., assignor.)
 Bancroft, Frank H., Gardner, assignor to P. Derby & Co., Inc., Worcester, Mass. Wood-bending apparatus. 1,461,471; July 10.
 Baunon, Russell E., Springfield, Mass. Holder for nursing bottles. 1,461,342; July 10.
 Barbarou, Marius J. B., Paris, France. Clutch device for motor vehicles. 1,461,343; July 10.
 Barnes, Rufus E., Springfield, Mass. Nut-tapping machine. 1,461,171; July 10.
 Baron, Charles S., Tiffin, Ohio. Top for containers. 1,461,375; July 10.
 Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,461,510; July 10.
 Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,461,511; July 10.
 Barr, Louis D., Tacoma, Wash. Hobbyhorse toy. 1,461,020; July 10.
 Barratt, William T., Bennington, Vt. Stop motion for knitting machines. 1,461,172; July 10.
 Barrier, Michael T., Lancaster, Calif. Stake-holding device for trucks, trailers, and the like. 1,461,107; July 10.
 Bartlett, Francis A., Stamford, Conn. Cutting bur. 1,461,376; July 10.
 Bate, Warwick G., Newton Falls, Ohio. Spare-tire cover for automobiles. 1,461,021; July 10.
 Bauer, George J., Pawtucket, and F. B. Carlson, Providence, R. I. Link for expandible bracelets. 1,461,203; July 10.
 Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company. Clamp for cultivator tools. 1,461,302; July 10.
 Becker, Edwin, and E. Aber, Racine, Wis. Adjustable metal-ticket changer. 1,461,022; July 10.
 Becker, Paul, East Cleveland, Ohio. Window construction. 1,461,023; July 10.
 Becket, Frederick M., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Alloy. 1,461,643; July 10.
 Bedwin, Clark D., Long Beach, Calif. Valve for automatic water heaters. 1,461,644; July 10.
 Behrman, Marcus B., New York, assignor to Lox Seal Corporation, Brooklyn, N. Y. Lather brush. 1,461,344; July 10.
 Beitman, Albert B., Cleveland, Ohio. Weather strip. 1,461,079; July 10.
 Bell, John H., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,461,204; July 10.
 Belleville, Edwin A. (See Bellville, F., Belleville, and Henderson.)
 Bellville, Frank, E. A. Belleville, and R. S. Henderson, Twin Falls, Idaho. Gas apparatus. 1,461,377; July 10.
 Benjamin, George R., Jersey City, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic telegraph system. 1,461,645; July 10.
 Benner, Raymond C. (See French, H. F., and Benner.)
 Bennett, Ashley C., Minneapolis, Minn. Suction cleaner. 1,461,173; July 10.
 Bennett, Ashley C., assignor to I. E. Bennett, Minneapolis, Minn. Air cleaner. 1,461,174; July 10.
 Bennett, Irene E. (See Bennett, Ashley C., assignor.)
 Benson, William E., Wilmington, Mass. Method of and apparatus for producing waterproofed receptacles. 1,461,024; July 10.
 Berge, Franz R. L., Port Angeles, Wash. Resonance device for banjos. 1,461,596; July 10.
 Berger, Carl, Karlsbad, Czechoslovakia. Two-cycle internal-combustion engine. 1,461,080; July 10.
 Bernays, Ely. (See Herz, Gustave L., assignor.)
 Berry, Reni S. (See Gilman, F. L., and Wilson, assignors.)
 Berzon, Louis, assignor of one-third to himself, one-third to J. Brezin, and one-third to W. Kosakoff, Philadelphia, Pa. Spooling machine. 1,461,205; July 10.
 Bicker, Edgar B., St. Louis, Mo. Hinge. 1,461,175; July 10.
 Bierbaum, John H., et al. (See Hachmann, Frederick, assignor.)
 Billman, Obed C., Cleveland, assignor of one-half to H. H. Troxel, Wooster, Ohio. Pencil. 1,461,437; July 10.

- Birch, Gustaf B. (See Cameron, J. A., and Birch.)
 Black, Leslie G., Sioux City, Iowa. Air-brake mechanism. 1,461,025; July 10.
 Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Farm tractor. 1,461,716; July 10.
 Blair, Rolandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,461,258; July 10.
 Blair, Rolandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,461,259; July 10.
 Blair, Rolandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,461,260; July 10.
 Blair, Rolandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,461,261; July 10.
 Boisvert, Joseph L., Bourbonnais, Ill. Poultry nest. 1,461,303; July 10.
 Boker, H., & Co., Inc. (of N. J.). (See Redman, Walter H., assignor.)
 Bond, James E., Sawtelle, Calif. Burglar alarm. 1,461,206; July 10.
 Bonk, Frank J., and A. W. Stewart, Ripon, Wis. Automatic electric-circuit-control mechanism. 1,461,207; July 10.
 Bonsall, Charles D., assignor to P. H. Murphy Company, Parnassus, Pa. Carline. 1,461,704; July 10.
 Bookwalter, Albert E., Coeur d'Alene, Idaho. Ore separator. 1,461,647; July 10.
 Booraem, John F., Greenwich, Conn. Swimming-pool construction. 1,461,026; July 10.
 Boos, Casper M. B., Chicago, Ill. Silo-door frame. 1,461,208; July 10.
 Booth, John W., Trenton, Ontario, Canada. Needle chuck for sound reproducers. 1,461,176; July 10.
 Born, William F., Lakewood, Ohio. Garbage incinerator. 1,461,108; July 10.
 Borst, Andrew J., jr., Buffalo, N. Y. Antiskid device for vehicle wheels. 1,461,378; July 10.
 Bouton, Edgar M., Wilkingsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,461,512; July 10.
 Bradford, Arthur M. (See Sears, D. C., and Bradford.)
 Bradley, Ralph A., Ottawa, Kans. Oscillating valve for internal-combustion engines. 1,461,472; July 10.
 Brasche, Ferdinand F., Edwardsville, assignor of one-third to C. Holding and one-third to W. Palecek, Collinsville, Ill. Automatic mine-car cager. 1,461,513; July 10.
 Breer, Carl, Summit, N. J. Dishwasher. 1,461,473; July 10.
 Breer, Carl, Summit, N. J. Dish-holding tray. 1,461,474; July 10.
 Brewer, Harry, Sidney, Nebr. Air-pump pressure-regulating device. 1,461,379; July 10.
 Brezin, Joseph, et al. (See Berzon, Louis, assignor.)
 Bridges, Josiah S., Chicago, Ill. Detachable holder for dental impression trays. 1,461,209; July 10.
 Briggs, D. F., Company. (See Slaiger, Henry, assignor.)
 Brinton, Willard C., New York, N. Y. Curve record system. 1,461,710; July 10.
 Brock, John M., Brooklyn, N. Y. Acetylene lamp. 1,461,572; July 10.
 Brockson, James W., assignor of one-half to P. L. McWhorter, Middletown, Del. Tractor. 1,461,027; July 10.
 Brockton Welting Co. (See Dunham, Arthur E., assignor.)
 Brombacher, Julius, Los Angeles, Calif. Automatic fluid control. 1,461,262; July 10.
 Bromley, Thomas C., and W. Cavers, Leicester, assignors to Mellor Bromley & Co. Limited, Minotaur Works, Leicester, England. Circular rib-knitting machine. 1,461,603; July 10.
 Bronson, Fred L., Wichita Falls, Tex. Adjustable fender brace. 1,461,304; July 10.
 Brookes, John, and A. E. Tolley, Halesowen, England. Artificial teeth. 1,461,305; July 10.
 Browne, Anna H., executrix. (See Browne, Arthur B.)
 Browne, Arthur B., deceased, Detroit, Mich.; A. H. Browne, executrix. Friction clutch. 1,461,573; July 10.
 Bruchhauser, Charles H. (See Hileman, Willis W., assignor.)
 Bruher, Reuben G., Windsor, Ontario, Canada. Wheel. 1,461,475; July 10.
 Bryant, George W., New York, N. Y. Window-cleaner's life net. 1,461,648; July 10.
 Buckland, Joseph W., Montreal, Quebec, Canada. Automatic bell ringer. 1,461,777; July 10.
 Buhtz, Emil R., Seattle, Wash. Soap-dish attachment for laundry trays. 1,461,263; July 10.
 Bull, Arthur A., assignor to General Motors Corporation, Detroit, Mich. Cooling-liquid-pump mounting for internal-combustion engines. 1,461,711; July 10.
 Bullard, William P., Albany, Ga. Nut grader. 1,461,264; July 10.
 Bullard, William P., Albany, Ga. Nut grader. 1,461,265; July 10.
 Buller, Charles M., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Adjustable head for pipes. 1,461,438; July 10.
 Burden, Thomas, Warrnambool, Victoria, Australia. Correction of type in printers' galleys. 1,461,081; July 10.
 Burgess, C. F., Laboratories. (See Weiss, Howard F., assignor.)
 Burgin, Waldo W., Lodi, Calif. Check valve. 1,461,439; July 10.
 Burkley, Joseph, Treadwell, N. Y. Lifting device. 1,461,694; July 10.
 Burnham, George A., Saugus, assignor to S. B. Condit, Brookline, Mass. Electric switch. 1,461,695; July 10.
 Burns, James A., Wilkingsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Grinding machine. 1,461,514; July 10.
 Burrell, D. H., & Co. (See Feldmeier, Harvey, assignor.)
 Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Metal wheel. 1,461,515; July 10.
 Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Support for clasp brake beams. 1,461,516; July 10.
 Cable, George W., Norwalk, Conn. Toy. 1,461,109; July 10.
 Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting means. 1,461,266; July 10.
 Cameron Machine Company. (See Cameron, J. A., and Birch, assignors.)
 Campbell, Henry, Liberal, Kans. Auto chain coupler. 1,461,306; July 10.
 Caplan, Meyer, Brooklyn, N. Y. Camping trailer. 1,461,574; July 10.
 Capron Company. (See Moore, Robert H., assignor.)
 Carlson, Frank B. (See Bauer, G. J., and Carlson.)
 Carnation Milk Products Company. (See Grindrod, George, assignor.)
 Casalonga, Louis D. A., Paris, and G. Miot, Vanves, France. Device for driving the bands of rolling platforms. 1,461,476; July 10.
 Cash, Arthur L. (See Short, C. R., and Cash.)
 Cassisa, Salvatore, Far Rockaway, N. Y. Shoe dressing. 1,461,696; July 10.
 Castrogiovanni, Rosario, Brooklyn, N. Y. Shoemaker's repair form. 1,461,517; July 10.
 Cavers, Walter. (See Bromley, T. C., and Cavers.)
 Centerbar, Lorenzo R., Fitchburg, Mass. Corner joint for frames. 1,461,440; July 10.
 Chapman, Charles A., Grinnell, Iowa. Hay derrick. 1,461,307; July 10.
 Charlier, Louis, Jemeppe-sur-Meuse, Belgium. Trapdoor for storage and delivery apparatus. 1,461,411; July 10.
 Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
 Chidlow, David, Ridgefield, Conn., assignor to J. F. Strachan and W. S. Strachan, Montreal, Canada. Treating grain germ and scutellum. 1,461,703; July 10.
 Clapp, E. H., Rubber Company. (See Pratt, William B., assignor.)
 Clark, Bernard E., et al. (See Walper, Curry O., assignor.)
 Clark Equipment Company. (See Burrows, Robert J., assignor.)
 Clark, Eugen and W. H., Juliette, Ga. Anchor plate. 1,461,308; July 10.
 Clark, William H. (See Clark, Eugen and W. H.)
 Clarke, Alexander, Charleston, W. Va., assignor to United Hydro-Carbons Company. Method and mechanism for testing gas. 1,461,345; July 10.
 Clement, Charles G., assignor to Highway Trailer Company, Edgerton, Wis. Trailer coupling. 1,461,412; July 10.
 Clerico, Dominick, Yonkers, N. Y. Valve-spring compressor for automobile and other engines. 1,461,346; July 10.
 Clough, Frederic H., Hillmorton, near Rugby, England, assignor to General Electric Company. Ship-propulsion system. 1,461,575; July 10.
 Clough, Frederic H., Hillmorton, near Rugby, England, assignor to General Electric Company. Ship-propulsion system. 1,461,576; July 10.
 Coats, Arizona Z., assignor of one-half to E. Headden, Newbern, Tenn. Sound box. 1,461,597; July 10.
 Coburn, John M., and J. M. McCrary, Long Beach, Calif. Valve grinder. 1,461,267; July 10.
 Cohoon, Robert S., assignor to Southern Cement Machine Company, Orlando, Fla. Concrete-block machine. 1,461,413; July 10.
 Cole, Claude F., Athens, Pa. Pedal-carried circuit maker and breaker. 1,461,380; July 10.
 Colonial Engineering Company, The. (See Klotman, Charles A., assignor.)
 Columbia Machine and Stopper Co. (See Kendall, Carl W., assignor.)
 Condit, Sears B. (See Burnham, George A., assignor.)
 Connecticut Telephone and Electric Co. (See Wirrer, Gottfried, assignor.)
 Cook, Harry E., Washington, D. C., assignor to Remington Typewriter Company, Ilion, N. Y. Carriage pull band for typewriting and like machines. 1,461,347; July 10.
 Cook, Thomas, Stalybridge, England. Baling press. 1,461,577; July 10.
 Cooper, Clarence W. (See Wylie, W. J., and Cooper.)
 Cooper, Clinton J., Oak Park, Ill. Railway tie. 1,461,477; July 10.

- Cooper, Hugh S., Cleveland, Ohio, assignor, by mesne assignments, to Kemet Laboratories Company, Inc. Alloy. 1,461,178; July 10.
- Corley, John T., Providence, R. I. Bracket. 1,461,210; July 10.
- Coryell, William C., Wayne, Nebr. Device for truing connecting rods. 1,461,309; July 10.
- Cossitt, Malcolm L., Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifold attachment for typewriters. 1,461,599; July 10.
- Coster, Arthur V., London, England, assignor to The Diamond Match Company, Chicago, Ill. Machine for making boxes. 1,461,414; July 10.
- Cottrell, Sylvester P., Buffalo, N. Y. Combined light and firearm. 1,461,600; July 10.
- Coughlan, John N., New York, N. Y. Propelling attachment for boats. 1,461,697; July 10.
- Cox, James S., Los Angeles, Calif. Means for preventing frost on trees and the like. 1,461,110; July 10.
- Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,461,082; July 10.
- Craig, Thomas C., Waterbury, Conn. Elevator. 1,461,601; July 10.
- Crenshaw, Thomas W. and W. J., Clarksville, Tex. Figure toy. 1,461,179; July 10.
- Crenshaw, Willie J. (See Crenshaw, Thomas W. and W. J.)
- Cullander, Adolph. (See Wilson, W. D., and Cullander.)
- Damerell, Mark H., Worcester, Mass., assignor to Wyman-Gordan Company. Indicating device. 1,461,083; July 10.
- Daniels, Benjamin A., Tampa, Fla. Protective ventilating screen for vehicles. 1,461,478; July 10.
- Daniels, Lee G., Rockford, Ill. Automatic talking machine. 1,461,111; July 10.
- Dann, Walter M., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer radiator. 1,461,518; July 10.
- Darling, Fay C., Walton, N. Y. Bath and basin fitting. 1,461,698; July 10.
- Davidson, Frank B., Marseilles, Ill., assignor to National Biscuit Company, New York, N. Y. Carton. 1,461,415; July 10.
- Davis, Amy E., New York, N. Y. Window screen. 1,461,441; July 10.
- Davis, Howard C. (See Mills, B., Row, and Davis.)
- Davis, Lewis C., Washington, D. C. Endless-track vehicle. 1,461,028; July 10.
- Davis, Ralph E. (See Stebler, F., and Davis.)
- Dawson, Robert K., Guelph, Ontario, Canada. Fitting for revolving chairs and the like. 1,461,602; July 10.
- Day, Charles. (See Donaldson, C., and Day.)
- Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
- De Arnaud, Walter E., Knoxville, Tenn. Fireplace. 1,461,211; July 10.
- Deere & Company. (See Hanneman, Richard E., assignor.)
- De Laney, Frank L. (See De Laney, James C. and F. L.)
- De Laney, James C. and F. L., Portersville, Calif. Automatic controller for motors. 1,461,268; July 10.
- Dellinger, Martin C. (See Kulp, H. W., and Dellinger.)
- De Luca, Joseph B., Philadelphia, Pa. Railway-crossing signal. 1,461,180; July 10.
- Depew, William F., Bowmanville, Ontario, Canada. Net-pulling machine. 1,461,141; July 10.
- Derby, P., & Co. (See Bancroft, Frank H., assignor.)
- De Santis, Louis, Yonkers, N. Y. Turbine. 1,461,699; July 10.
- Devon, Joseph L., Atlanta, Ga. Braking attachment. 1,461,084; July 10.
- Diamond Match Company, The. (See Coster, Arthur V., assignor.)
- Diamond Match Company, The. (See Linebaugh, Edward R., assignor.)
- Diamond Match Company, The. (See Paridon, Michael, assignor.)
- Diamond Match Company, The. (See Shofter, William H., assignor.)
- Dick, Emil, Geneva, Switzerland. Dynamo driven by wheel axle. 1,461,181; July 10.
- Dickinson, Richard H., Farnham, England. Two-stroke engine. 1,461,348; July 10.
- Dickson, Robert C., Medan Deli, Sumatra. Method and means for raising water or other liquid by compressed air. 1,461,112; July 10.
- Dietrich, Jerome C., Galt, Ontario, Canada. Ice saw. 1,461,479; July 10.
- Dobbin, Henry F., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange line switch. 1,461,212; July 10.
- Donaldson, Charles, Augusta, Kans., and C. Day, Okmulgee, Okla. Glass-drawing apparatus. 1,461,603; July 10.
- Dorf & Company. (See Lebow, Maurice, assignor.)
- Dorsey, Farnum F., assignor to North East Electric Company, Rochester, N. Y. Damping device for instruments. 1,461,381; July 10.
- Doty, Leo J., Kansas City, Mo. Safety film reel. 1,461,029; July 10.
- Doub, John H., Walnut, Kans. Dispatch holder. 1,461,382; July 10.
- Douglass, Samuel E., Raleigh, N. C. Headlight mechanism. 1,461,604; July 10.
- Douglass, Samuel E., Raleigh, N. C. Spark arrester. 1,461,605; July 10.
- Dravo, George P., Milwaukee, Wis. Superheater. 1,461,213; July 10.
- Dreyer, Wilhelm. (See Aeberli, A., and Dreyer.)
- Duberstein, Isadore, Los Angeles, Calif. Garment hanger. 1,461,442; July 10.
- Dunham, Arthur E., assignor to Brockton Welting Co., Inc., Brockton, Mass. Winding and hanking machine. 1,461,705; July 10.
- Durant, William H., Somerville, Mass. Cap for grease cups. 1,461,383; July 10.
- Dusche, Frederick W., East Orange, assignor of one-half to L. M. Nussbaum, Newark, N. J. Shoe-shining device. 1,461,310; July 10.
- Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
- Dyke, Frank M., Ramona, Calif. Subsoiler attachment for plows. 1,461,113; July 10.
- Ebeling, Phillip, Bellaire, Ohio. Apparatus for the manufacture of glassware. 1,461,416; July 10.
- Eclipse Interchangeable Counterbore Company. (See Smith, J. H., and Kengel, assignors.)
- Edmond, Alfred, Kearney, N. J. Fuel saver. 1,461,030; July 10.
- Einstein, Robert E., et al. (See Hachmann, Frederick, assignor.)
- Ekeberg, Lars H., Rockford, Ill. Signal for vehicles. 1,461,114; July 10.
- Eldredge, Elmer E., Zeeland, Mich., assignor to Phenix Cheese Company, New York, N. Y. Sterilizing cheese. Re15,648; July 10.
- Electric Auto-Lite Corporation. (See Post, Truman W., assignor.)
- Electric Controller & Manufacturing Company. (See Rippl, Charles H., assignor.)
- Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
- Elick, John, Centralia, Wash. Draft-controlling device. 1,461,606; July 10.
- Ellis, Wallace, assignor of one-half to W. Ray, Beloit, Wis. Nail-pulling Machine. 1,461,712; July 10.
- Elowsky, Samuel M. (See Yurow, Andrew, assignor.)
- Engeset, Lars, Seattle, Wash. Roof-plate form. 1,461,182; July 10.
- Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoe bottoms. 1,461,085; July 10.
- Ernst, John A., jr., Ridgefield Park, N. J. Game apparatus. 1,461,649; July 10.
- Eschholz, Otto H., Wilkensburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Discharge-indicating device. 1,461,519; July 10.
- Everett, Arthur S., Lawrence, assignor to Page Machine Co., Inc., Haverhill, Mass. Heel-building machine. 1,461,384; July 10.
- Faidley, William D., jr., Clifton Forge, J. W. Morris, Iron Gate, and S. A. Patterson, Clifton Forge, Va. Machine for removing and replacing metal parts of train-pipe couplings. 1,461,578; July 10.
- Falor, Abram E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluid-conduit-coupling device. 1,461,385; July 10.
- Falor, William B., Akron, Ohio. Brake-lining dressing. 1,461,386; July 10.
- Falzer, Louis, and E. M. Webber, Chicago, Ill.; said Webber assignor to said Falzer. Hoisting machine. 1,461,650; July 10.
- Farley, Newton, Lillybrook, W. Va. Miner's lamp clip and stay. 1,461,607; July 10.
- Fearn, John W., Birmingham, England. Automatic pistol and other small arm. 1,461,387; July 10.
- Feldmeler, Harvey, assignor to D. H. Burrell & Co., Inc., Little Falls, N. Y. Centrifugal separator. 1,461,031; July 10.
- Fellows, Edwin R. (See Stubbs, E., and Fellows.)
- Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
- Fellows Gear Shaper Company, The. (See Stubbs, E., and Fellows, assignors.)
- Felty, Walter D. (See Mulford, H. V., and Felty.)
- Ferril, Warham. (See Woodson, A. B., and Ferril.)
- Fesler, Milton A., Oakland, Calif., assignor to Petroleum Heat and Power Company. Diaphragm device. 1,461,086; July 10.
- Fischer, Charles H. (See Hopfenthaler, J., and Fischer.)
- Fitz Gibbon, Arthur L., Washington, D. C. Windshield cleaner. 1,461,087; July 10.
- Fitzpatrick, William F. (See Jolly, T. J., and Fitzpatrick.)
- Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Inc., Bridgeport, Conn. Basket. Des. 62,631; July 10.
- Fleming, Samuel N., Earlinton, Ky. Grate construction. 1,461,443; July 10.
- Fletcher, Harvey, assignor to Western Electric Company, Incorporated, New York, N. Y. Substation circuit. 1,461,183; July 10.
- Foley, Timothy C., Renovo, Pa. Tool holder. 1,461,608; July 10.

Force, Gerald E., assignor to Helmet Cap Company, New York, N. Y. Collapsible-tube closure. 1,461,609; July 10.

Force, Gerald E., assignor to Helmet Cap Company, New York, N. Y. Radiator cap. 1,461,706; July 10.

Forman, Walter A., Brooklyn, N. Y. Valve or cock. 1,461,520; July 10.

Forney, Frank, and R. H. Hoff, Detroit, Mich. Carburetor-controlling device. 1,461,521; July 10.

Forsyth, Alexander, assignor to A. M. Fraser, Westboro, Mass. Center punch. 1,461,032; July 10.

Forton, George, Detroit, Mich. Combined pipe and nut wrench. 1,461,522; July 10.

Fosdick Machine Tool Company, The. (See Larsh, James E., assignor.)

Foss, Laurence M., Amesbury, Mass. Window-operating mechanism. 1,461,610; July 10.

Foster Machine Company. (See McKean, John O., assignor.)

Four Wheel Hydraulic Brake Company. (See Loughead, Malcolm, assignor.)

Fowle, James E. Z., Preuss, Oreg. Oven attachment for automobiles. 1,461,142; July 10.

Fox, Frank, Chesaw, Wash. Drag saw. 1,461,388; July 10.

Fox, Ralph P., Harrisburg, Pa. Wheeled toy. 1,461,651; July 10.

Franchi, Joseph. (See Marcello, Frank A., assignor.)

Fransson, Frans J., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Light-controlled means for opening and closing an electric circuit. 1,461,523; July 10.

Fraser, Arthur M. (See Forsyth, Alexander, assignor.)

Free, James S. (See Jenkinson, Richard F., assignor.)

French, Harry F., and R. C. Benner, Fremont, Ohio, assignors to National Carbon Company, Inc. Material for producing smoke screens. 1,461,646; July 10.

French, John W., New Rochelle, N. Y. Globe support for electric lights. 1,461,611; July 10.

Frey, Sigmund, Los Angeles, Calif. Discharge spout for liquid containers. 1,461,269; July 10.

Friedline, William H., Meyersdale, assignor to Modernola Company, Johnstown, Pa. Cabinet construction. 1,461,239; July 10.

Friedrichs, Gottfried L. A., New York, N. Y. Fish-shiping tank. 1,461,350; July 10.

Frieze, Alfred S., Fossil, Oreg. Swiveled coupling. 1,461,033; July 10.

Frisbie, William J., assignor to Justrite Manufacturing Company, Chicago, Ill. Acetylene-gas burner. 1,461,034; July 10.

Fry, Claud B., Yates Center, Kans. Air-dispensing device. 1,461,389; July 10.

Gardner, Frederic E., Beloit, Wis. Abrasive-wheel chuck for grinding machines. 1,461,184; July 10.

Garrison, Frank, Jerome, Idaho. Tool. 1,461,270; July 10.

Geibel, John F., assignor to Kaustine Company, Inc., Buffalo, N. Y. Toilet. 1,461,612; July 10.

Gendron Wheel Company, The. (See Nauts, Frank A., assignor.)

General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

General Electric Company. (See Clough, Frederic H., assignor.)

General Electric Company. (See Clough, Fredric H., assignor.)

General Electric Company. (See Macmillan, Campbell, assignor.)

General Electric Company. (See Mittag, Albert H., assignor.)

General Gas Light Company. (See Humphrey, Hubert R., assignor.)

General Motors Corporation. (See Blackmore, Lloyd, assignor.)

General Motors Corporation. (See Bull, Arthur A., assignor.)

General Motors Corporation. (See Springer, William N., assignor.)

General Motors Corporation. (See White, John W., jr., assignor.)

Gero, Victor, Philadelphia, Pa. Spool head. 1,461,480; July 10.

Giddings, Frank R., assignor of one-half to V. G. Piper, Kalamazoo, Mich. Means for dipping and coating confectionery. 1,461,115; July 10.

Gilbert, Woodland H., St. Paul, Minn. Vending machine. 1,461,613; July 10.

Giles, Harvey, Brooklyn, N. Y. Coin-controlled vending machine. 1,461,417; July 10.

Gilman, Frank L., and J. R. Wilson, assignors of one-fourth to R. S. Berry; said Wilson assignor of one-third of his right to C. C. Matlock, Los Angeles, Calif. Well drill. 1,461,713; July 10.

Gilpin, Garth G., Riverside, Ill., assignor to W. P. Murphy, New York, N. Y. Double-door construction for railway cars. 1,461,035; July 10.

Gist, Felta B., and C. P. Martin, Orange, Calif. Dolly jack. 1,461,481; July 10.

Glickson, Simon, Chicago, Ill. Medicinal device. 1,461,185; July 10.

Goddard, Charles A., Cheshire, assignor to The Ball and Socket Manufacturing Company, West Cheshire, Conn. Cuff button. 1,461,524; July 10.

Godfrey, Bert O., Seattle, Wash. Dredge. 1,461,240; July 10.

Goericke, William A. (See Newton, Dudley, assignor.)

Goodrich, B. F., Company, The. (See Falor, Abram E., assignor.)

Goodwin, Abraham E., Newburyport, assignor to Lynn Last Company, Lynn, Mass. Display last. 1,461,652; July 10.

Gosnell, Ernest A., Burkburnett, Tex. Ignition device for internal-combustion engines. 1,461,088; July 10.

Government of the United States. (See McConnell, James W., assignor.)

Green Engineering Company. (See Poppenhusen, Herman A., assignor.)

Green, George W. (See Wylie, W. J., and Cooper, assignors.)

Greenwood, Wallace W., assignor to Norton Company, Worcester, Mass. Magnesia refractory. 1,461,444; July 10.

Grigg, George W., Portland, Oreg. Window-shade container. 1,461,390; July 10.

Grimes, Thaddeus S., assignor to Lummus Cotton Gin Company, Columbus, Ga. Gear lock for cotton trampers. 1,461,579; July 10.

Grindrod, George, assignor to Carnation Milk Products Company, Oconomowoc, Wis. Emulsifying apparatus. 1,461,653; July 10.

Griswold, Frank W., Rogers, Minn. Yielding self-righting safety lamp post. 1,461,116; July 10.

Guerin, Morinville J., jr. (See Guerin, Wilfred L., assignor.)

Guerin, Wilfred L., assignor of one-half to M. J. Guerin, jr., New Orleans, La. Indicator for vacant theater seats. 1,461,143; July 10.

Guerin, Augustus E., Belmont, Mass. Shock absorber. 1,461,391; July 10.

Gutschow & Co. G. m. b. H. (See Reiss, Paul, assignor.)

Hoag, Charles A., jr. (See La Casse, Eugene R., assignor.)

Hachmann, Frederick, assignor of two-tenths to T. T. Richards, St. Louis, one-tenth to A. Koelling, one-tenth to H. Houchens, two-tenths to J. H. Bierbaum, Marthasville, two-tenths to R. E. Einstein, and one-tenth to P. R. Walsh, St. Louis, Mo. Rail jack. 1,461,186; July 10.

Haessler, William J., Philadelphia, Pa. Collapsible funnel. 1,461,654; July 10.

Haga, Enoch. (See Wilson, W. D., and Cullander, assignors.)

Hagey, James C., and T. E. Kavanaugh, assignors, by mesne assignments, to The Q R S Music Company, Chicago, Ill. Means for instruction with respect to musical instruments. 1,461,241; July 10.

Hahn, Henry W., Denver, Colo. Pipe coupling. 1,461,482; July 10.

Hakes, Daniel E., and A. Laperou, Calexico, Calif. Cleaning composition. 1,461,351; July 10.

Hall, Harry A., assignor to Hoosier Manufacturing Company, Newcastle, Ind. Sliding moldboard for cabinets. 1,461,525; July 10.

Hall, John W., Feltham, England. Internal-combustion engine. 1,461,089; July 10.

Hall, Robert F., Moseley, near Birmingham, England. Machine for the manufacture of glass articles. 1,461,271; July 10.

Hall, Roy D., East Orange, and H. H. Smith, Newark, N. J., assignors to Westinghouse Lamp Company. Filamentary body for electric lamps and making the same. 1,461,117; July 10.

Hall, Roy D., East Orange, N. J., assignor to Westinghouse Lamp Company. Filament. 1,461,118; July 10.

Hall, William G., Honolulu, Hawaii. Maceration distributor for sugar-cane mills. 1,461,272; July 10.

Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,461,655; July 10.

Hallett, Thomas S., Mile 54, Alberta, Canada. Resilient vehicle wheel. 1,461,483; July 10.

Ham Boiler Corp. (See Adelmann, Hans, assignor.)

Hancock, Lee B., Richmond, Va. Demountable rim for tires. 1,461,311; July 10.

Hand, Erle H., Stapleton, N. Y. Car-signal device. 1,461,352; July 10.

Hanneman, Richard E., East Moline, assignor to Deere & Company, Moline, Ill. Screen for corn shellers. 1,461,144; July 10.

Hannifin, Arthur V. (See Vosburg, A. E., and Whitney, assignors.)

Hansen, Hans K., San Pedro, Calif. Wood-cutter sizer head. 1,461,090; July 10.

Hanson, Gustave, and C. A. Nelson, East Berlin, Conn., assignors to Lancaster Iron Works, Lancaster, Pa. Portable conveyers. 1,461,707; July 10.

Harned, Ada K., New York, N. Y. Display box. 1,461,656; July 10.

Harrington, Clinton O., assignor to Aldobilt Company, Chicago, Ill. Maintaining a source of light in a desired position in lanterns. 1,461,187; July 10.

Harrington, Clinton O., assignor to Aldobilt Company, Chicago, Ill. Focusing finder for lanterns. 1,461,418; July 10.

Harris, James C., Dallas, Tex. Toy gun. 1,461,119; July 10.

- Harrison, George H., St. Paul, Minn., assignor to Manufacturers Chemical Company, Newport, Minn. Continuous straw gas retort. 1,461,614; July 10.
- Haulton, Thomas, Johnstown, Pa. Rail bond. 1,461,061; July 10.
- Hayes, Fred B., assignor to The Western Gas Construction Company, Fort Wayne, Ind. Valve. 1,461,188; July 10.
- Haynes, Charles V., Philadelphia, Pa., assignor to Hoffman Specialty Company, New York, N. Y. Radiator valve. 1,461,657; July 10.
- Hayward, Frank W., assignor to Kimmerle Bros., San Francisco, Calif. Wheel puller. 1,461,312; July 10.
- Hayward, Irving M., Brooklyn, N. Y. Torch. 1,461,658; July 10.
- Headen, Elmer. (See Coats, Arizona Z., assignor.)
- Hébrard, Henri, Sceaux, France. Gyroscopic toy. 1,461,313; July 10.
- Hellstrom, John A., Wheeling, W. Va. Apparatus for separating rolled sheet-metal plates. 1,461,580; July 10.
- Helmet Cap Company. (See Force, Gerald E., assignor.)
- Henderson, Carl, assignor to Mieble Printing Press and Manufacturing Company, Chicago, Ill. Gearing mechanism. 1,461,484; July 10.
- Henderson, Robert S. (See Bellville, F., Belleville, and Henderson.)
- Hendrix, John W., Baldwin, Miss. Wire distributor. 1,461,214; July 10.
- Henley, George, Edenburg, Pa. Vehicle shock absorber. 1,461,091; July 10.
- Hennegan, Paul M., Cincinnati, Ohio. Novelty headwear. 1,461,189; July 10.
- Henricks, Henry E., assignor of one-third to A. H. Schlegel, Oak Park, Ill. Molding machine. 1,461,148; July 10.
- Henry, James C., East St. Louis, Ill. Fuel-economizing device for internal-combustion engines. 1,461,659; July 10.
- Henry & Leigh Slater, Limited. (See Leech, Benjamin, assignor.)
- Herman, Claude A. (See Schroth, R. C., jr., and Herman.)
- Hermanowich, Stephen, Ellwood City, Pa. Meat-block cleaner. 1,461,615; July 10.
- Herrick, Bert L., Oakland, Calif. Bag or net fastener. 1,461,120; July 10.
- Herz, Gustave L., assignor, by mesne assignments, to E. Bernays, New York, N. Y. Spark timers. 1,461,526; July 10.
- Hess, Harry, et al. (See Roman, Newman A., assignor.)
- Hewitt, Cooper, Electric Company. (See Keyes, Frederick G., assignor.)
- Hev, Joseph A., Decatur, Ill. Match box. 1,461,146; July 10.
- Hibbins, Thomas A., assignor to The Stevenson Company, Wellsville, Ohio. Crusher roll. 1,461,036; July 10.
- Higgins, John J. (See Madden, H. D., and Higgins.)
- Highway Trailer Company. (See Clement, Charles G., assignor.)
- Hileman, Willis W., Jonesboro, assignor of one-half to C. H. Bruchhauser, Anna, Ill. Tire tool. 1,461,616; July 10.
- Hill, Jesse A., South Greenfield, Mo. Automatic transmission release for motor vehicles. 1,461,121; July 10.
- Hill, Richard M., Spring Valley, Ill. Decoy anchor. 1,461,617; July 10.
- Hladish, Josef R. (See Soltesz, Charles, assignor.)
- Hoff, Robert H. (See Forney, F., and Hoff.)
- Hoff, Sigurd J., New York, N. Y. Window lock. 1,461,147; July 10.
- Hoffman Specialty Company. (See Haynes, Charles V., assignor.)
- Holden, Joseph B., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,461,419; July 10.
- Holding, Charles, et al. (See Brasche, Ferdinand F., assignor.)
- Holland-Letz, Ludwig, Oak Park, Ill. Adjusting mechanism adapted for line control. 1,461,420; July 10.
- Holton, Abner L., Big Stone Gap, Va. Lifting jack for motor vehicles. 1,461,353; July 10.
- Holz, Henry C. F., Salt Lake City, Utah. Landing device. 1,461,660; July 10.
- Hood, George J., Lawrence, Kans. Drawing instrument. 1,461,421; July 10.
- Hoosier Manufacturing Company. (See Hall, Harry A., assignor.)
- Hooven, Owens, Rentschler Company, The. (See Mitchell, Guy C., assignor.)
- Hofenthaler, Joseph, and C. H. Fischer, Philadelphia, Pa. Water back for hot-air and other furnaces. 1,461,349; July 10.
- Hopkins, James E., South Orange, N. J., assignor of one-half to A. L. Wright, New York, N. Y. Receptacle for the storage and preservation of used paintbrushes. 1,461,618; July 10.
- Hornstein, Michael, Paterson, N. J. Closure device. 1,461,242; July 10.
- Hotchkiss, E. H., Company, The. (See Muth, John, assignor.)
- Houchens, Hilda, et al. (See Hachmann, Frederick, assignor.)
- Houskeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum pump. 1,461,190; July 10.
- Howard, Frank, Potter, Ky. Vaporizing device. 1,461,243; July 10.
- Howard, Frank A. (See Winchester, G., and Howard.)
- Howard, William R., Washington, D. C. Drilling tool. 1,461,037; July 10.
- Howe Scale Company. (See Sonander, Andrew, assignor.)
- Howell, Hamilton T., New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 62,632; July 10.
- Huber, Philip H. (See Jasmin, Peter T., assignor.)
- Hughes, John F., Penns Grove, N. J. Drying apparatus. 1,461,148; July 10.
- Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Gas heater. 1,461,191; July 10.
- Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Gas heater. 1,461,192; July 10.
- Hunt, Alfred T., Brooklyn, N. Y. Apparatus for cutting diamonds. 1,461,149; July 10.
- Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Signal. 1,461,215; July 10.
- Hunter, George W. (See Hunter, Thomas, H. and G. W.)
- Hunter, John C., assignor to J. Meerse, Cincinnati, Ohio. Display stand. Des. 62,633; July 10.
- Hunter, Thomas H. and G. W., Philadelphia, Pa. Rubber apron for carding machines. 1,461,527; July 10.
- Huyler's. (See Pettit, Julia R., assignor.)
- Hyman, Henry, & Company. (See Lipsky, Norman, assignor.)
- Inaki, Toyofiro, Fresno, Calif. Washing machine. 1,461,354; July 10.
- Ingersoll Milling Machine Company. (See Rose, H. C., and Oberhoffen, assignors.)
- Ingstead, Ole, Lowell, Mass. Combination tool. 1,461,392; July 10.
- International Harvester Company. (See Beall, William L., assignor.)
- International Harvester Company. (See Jones, Emile W., assignor.)
- International Harvester Company. (See Mitchell, Robert M., assignor.)
- Irvine, Frank S., Huntington, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switch. 1,461,528; July 10.
- Irwin, Steve A., Robinson, Ill. Attachment for jacks. 1,461,355; July 10.
- Ivancic, Alma, administratrix. (See Ivancic, Milan.)
- Ivancic, Milan, deceased, Kilchberg, by A. Ivancic, administratrix, Zurich, Switzerland. Cooking device. 1,461,092; July 10.
- Jackson, Graham H., Newark, N. J., assignor to Universal Tobacco Machine Company, New York, N. Y. Tobacco-leaf-booking drum. 1,461,122; July 10.
- Jackson, Graham H., Newark, N. J., assignor to Universal Tobacco Machine Company, New York, N. Y. Tobacco-leaf-booking machine. 1,461,150; July 10.
- Jackson, Graham H., Newark, N. J., assignor to Universal Tobacco Machine Co., New York, N. Y. Tobacco-leaf machine. 1,461,529; July 10.
- Jacobson, Sidney D., New York, N. Y. Safety device for flying machines. 1,461,216; July 10.
- Jasmin, Peter T., assignor of one-half to P. H. Huber, Helena, Mont. Repair device for automobile springs. 1,461,273; July 10.
- Jaubert, George F., Paris, France. Electrolyzing apparatus for the manufacture of oxygen and hydrogen. 1,461,661; July 10.
- Jeffway, Philip J. (See Andresen, P. N., and Jeffway.)
- Jenkins, Capitolia, Guthrie, Ky. Ornamental fabric. 1,461,581; July 10.
- Jenkinson, Richard F., assignor of one-half to J. S. Free, Tuscaloosa, Ala. Apparatus for drying lumber. 1,461,393; July 10.
- Johnson, Andrew, Milwaukee, Wis. Printing roller. 1,461,123; July 10.
- Jolly, Thomas J., and W. F. Fitzpatrick, Ulysses, Nebr. Water turbine. 1,461,422; July 10.
- Jones, Emile W., Chicago, Ill., assignor to International Harvester Company. Separating mechanism for thrashers. 1,461,314; July 10.
- Jones, Leon B. (See Moore, R. S., and Jones.)
- Justrite Manufacturing Company. (See Frisbie, William J., assignor.)
- Kahl, William, Brooklyn, N. Y. Towel rack. 1,461,124; July 10.
- Kaminski, Joseph A., Chicago, Ill. Drafting instrument. 1,461,530; July 10.
- Karl, Andrew J., Sistersville, and B. F. Webb, Bens Run, assignors to Webb Multispeed Winch Manufacturing Company, Sistersville, W. Va. Combined winch and support therefor. 1,461,637; July 10.
- Kaustine Company. (See Geibel, John F., assignor.)
- Kavanaugh, Thomas E. (See Hagey, J. C., and Kavanaugh.)
- Kawamura, Fred N., Denver, Color. Internal-combustion engines. 1,461,662; July 10.
- Kesler, Herbert E., Chicago, Ill. Can opener. 1,461,151; July 10.

- Keeler, Herbert E., Chicago, Ill. Ice pick. 1,461,152; July 10.
- Kelley, William V. D., Newark, assignor to Prizma, Incorporated, Jersey City, N. J. Color transparency. 1,461,356; July 10.
- Kelley-Springfield Tire Company. (See Lacroix, Joseph D., assignor.)
- Kelm, Richard E., Milwaukee, Wis. Humidifier for hot-air furnaces. 1,461,423; July 10.
- Kemet Laboratories Company. (See Cooper, Hugh S., assignor.)
- Kemmer, Jean, Ilion, N. Y. Gas burner. 1,461,663; July 10.
- Kendall, Carl W., Glenside, Pa., assignor to Columbia Machine and Stopper Co. Inc., New York, N. Y. Compensating mechanism for bottle-capping machines. 1,461,550; July 10.
- Kengel, George J. (See Smith, J. H., and Kengel.)
- Kern, William H., Jersey City, N. J. Single-tube pneumatic tire. 1,461,485; July 10.
- Kershner, George, Hutchinson, Kans. Hydraulic salt press. 1,461,093; July 10.
- Keyes, Eugene L., Chicago, Ill., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat lasting and nailing machine. 1,461,153; July 10.
- Keyes, Frederic G., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Starter for electrical translating devices. 1,461,038; July 10.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,461,619; July 10.
- Kimball, A. Company. (See Marsh, Alonzo K., assignor.)
- Kimmerle Bros. (See Hayward, Frank W., assignor.)
- Kirschbraun, Lester, Chicago, Ill. Composition for saturating fabrics and making same. 1,461,445; July 10.
- Kishpaugh, John M., Pasadena, Calif. Liquid measuring and dispensing vessel. 1,461,486; July 10.
- Klaus, Fred R., and F. H. Meyer, Warren, Ohio. Making cushion-tire structures. 1,461,531; July 10.
- Klein, Benjamin F. (See Pfeleger, Roscoe C., assignor)
- Kling, Fred E., Youngstown, Ohio. Hot-blast stove. 1,461,357; July 10.
- Kloeb, Boniface R. and J. A., Hoboken, N. J. Gaseous-fue burner. 1,461,394; July 10.
- Kloeb, Joseph A. (See Kloeb, Boniface R. and J. A.)
- Kloman, Charles A., Bellevue, assignor to The Colonial Engineering Company, Pittsburgh, Pa. Plate-feeding mechanism. 1,461,358; July 10.
- Knapp, Willis, Salt Lake City, Utah. Fluid motor. 1,461,620; July 10.
- Knigge, Otto C., New York, N. Y. Direction indicator. 1,461,664; July 10.
- Knoll Manufacturing Co. (See Lengel, Irvin D., assignor.)
- Koelling, Addie, et al. (See Hachmann, Frederick, assignor.)
- Koepfer, William P., Pouchatoula, La. Grease cup. 1,461,665; July 10.
- Kosakoff, William, et al. (See Berzon, Louis, assignor.)
- Kraemer, Otto J., Portland, Ore. Combined reading guide, paper cutter, and bookmark. 1,461,395; July 10.
- Krakan, Frank G., Pittsburgh, Pa. Automobile spring. 1,461,274; July 10.
- Kranzl, Leopold, Seattle, Wash. Milk-bottle handle. 1,461,621; July 10.
- Kriehn, Evelyn V., New York, N. Y. Brush. Des. 62,634; July 10.
- Kuehner, Arthur T., Elkridge, Md. Locomotive smoke-box front. 1,461,315; July 10.
- Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Valve-spring-lifter lock. 1,461,275; July 10.
- L. and H. Special Machine Co., The. (See Lindner, Arthur E., assignor.)
- La Bour, Harry E., Chicago, Ill. Pumping system. 1,461,622; July 10.
- La Casse, Eugene R., assignor of one-half to C. A. Haag, jr., Syracuse, N. Y. Indexing plate for milling machines. 1,461,316; July 10.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt-beating machine. 1,461,062; July 10.
- Lacroix, Joseph D., New Orleans, La., assignor to Kelly-Springfield Tire Company, Akron, Ohio. Fabric-stitching device. 1,461,125; July 10.
- Laibach, Franz, New York, N. Y. Lookout or door peep. 1,461,487; July 10.
- Lancaster Iron Works. (See Hanson, G., and Nelson, assignors.)
- Lane, Edwin C., Mahwah, N. J. Cutter bar for lawn mowers. 1,461,532; July 10.
- Laperou, August. (See Hakes, D. E., and Laperou.)
- Larsen, Haakon S., Christiania, Norway. Potato-planting machine. 1,461,396; July 10.
- Larsen, Hans, Racine, Wis. Pneumatic toy. 1,461,193; July 10.
- Larsh, James E., Chevlot, assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio. Clamping mechanism for radial drilling machines. 1,461,666; July 10.
- Lasure, Floyd E., Waukesha, Wis. Tobacco pipe. 1,461,126; July 10.
- Lasure, Floyd E., Waukesha, Wis. Tobacco pipe. 1,461,127; July 10.
- Lawrence, Samuel E., Saybrook, Ill. Vehicle towing mechanism. Re15,649; July 10.
- Lazerick, David L., Cleveland, Ohio. Punctureproof re-liner for pneumatic tires and casings. 1,461,217; July 10.
- Leblanc, Charles L. A. M., assignor to Societe Anonyme Pour l'Exploitation des Procédes Maurice Leblanc-Vickers, Paris, France. Commutating system for electrical machines. 1,461,446; July 10.
- Leblanc, Maurice, Val-sur-Seine par Croissy, France, assignor to Societe Anonyme pour l'Exploitation des Procédes, Westinghouse Leblanc, Paris, (Seine), France. Steam-ejector apparatus. 1,461,447; July 10.
- Lebleson, Minnie, Guttenberg, N. J. Strainer and stopper for pipes. 1,461,317; July 10.
- Lebow, Maurice, assignor to Dorf & Company, Baltimore, Md. Adjustable cap. 1,461,623; July 10.
- Lederer, Anton, Vienna, Austria, assignor to Westinghouse Lamp Company. Electric gas lamp. 1,461,359; July 10.
- Lederer, Anton, Vienna, Austria, assignor to Westinghouse Lamp Company. Electric gas lamp. 1,461,360; July 10.
- Leech, Benjamin, Macclesfield, assignor of one-half to Henry & Leigh Slater, Limited, Manchester, England. Apparatus for the electrolytic production of metallic alloys in the form of paste or sludge. 1,461,276; July 10.
- Leech, Edward W., jr., Baltimore, Md. Spring oiler. 1,461,244; July 10.
- Leech, Edward W., jr., Baltimore, Md. Spring oiler. 1,461,245; July 10.
- Leibing, Joseph K., assignor to Splitdorf Electrical Company, Newark, N. J. Magneto ignition device. 1,461,128; July 10.
- Leidgen, Nicholas C., Detroit, Mich. Sash raising and lowering device. 1,461,277; July 10.
- Leinert, Wenzel W., New York, N. Y. Liquid measuring machine. 1,461,424; July 10.
- Lengel, Irvin D., assignor to Knoll Manufacturing Co., Reading, Pa. Multiple-tub washing machine. 1,461,318; July 10.
- Lent, Alfred H., Capitola, Calif. Fishing tackle. 1,461,246; July 10.
- Leslie, Freeland D., Milton, Mass. Removable valve seat for ball cocks. 1,461,039; July 10.
- Levy, Albert L., Youngstown, Ohio. Split-rim tool. 1,461,194; July 10.
- Levy, Isidor, Brooklyn, N. Y. Receptacle. 1,461,667; July 10.
- Lewis, George W., Chicago, Ill. Dustpan. 1,461,624; July 10.
- Lichtman, Michael, New York, N. Y. Telescope. 1,461,063; July 10.
- Lignell, Peter, et al. (See Nelson, Otto, assignor.)
- Lindner, Arthur E., Brooklyn, assignor to The L. and H. Special Machine Co., Inc., New York, N. Y. Button-hole-sewing machine. 1,461,040; July 10.
- Linebaugh, Edward R., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Paper-cutting machine. 1,461,425; July 10.
- Lingenfelter, George, Sandy, Ore. Orchard heater. 1,461,247; July 10.
- Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture pan. Des. 62,635; July 10.
- Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture pan. Des. 62,636; July 10.
- Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture band. Des. 62,637; July 10.
- Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture body. Des. 62,638; July 10.
- Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture arm. Des. 62,639; July 10.
- Lisi, Henry, Susquehanna, Pa. Doughnut cooking machine. 1,461,488; July 10.
- Lisowski, Maryan L., Cranford, N. J. Apparatus for building construction. 1,461,426; July 10.
- Listo Pencil Corporation. (See Wehn, Charles E., assignor.)
- Ljungström, Fredrik, Lidings-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin. Turbine-driven locomotive. 1,461,278; July 10.
- Longfellow, Ellis E., deceased, El Reno, Okla.; M. R. Longfellow, executrix. Lock. 1,461,279; July 10.
- Longfellow, Margaret R., executrix. (See Longfellow, Ellis E.)
- Loomis, Crawford C., Ilion, N. Y. Method of and means for forming gun barrels. 1,461,129; July 10.
- Lorenz & Weide. (See Weide, Hans, assignor.)
- Lorenz, William A., assignor to The Otawa Fabric Company, Hartford, Conn. Wall paper. 1,461,397; July 10.
- Loughead, Malcolm, Detroit, Mich., assignor to Four Wheel Hydraulic Brake Company, Los Angeles, Calif. Assembling hose and fitting. 1,461,130; July 10.
- Lowe, John M., Butler, Ind. Windmill regulator. 1,461,489; July 10.

- Lox Seal Corporation. (See Behrman, Marcus B., assignor.)
- Lubker, Harold E., Grand Junction, Colo. Fish tape puller. 1,461,361; July 10.
- Lummus Cotton Gin Company. (See Grimes, Thaddeus S., assignor.)
- Lund, Arthur A. (See McGowan, C., Peterson, and Lund.)
- Lyles, James N., Addison Heights, Va. Nonglare reflector. 1,461,362; July 10.
- Lynn Last Company. (See Goodwin, Abraham E., assignor.)
- McAnulty, Andrew, Ottawa, Ontario, Canada. Safety guard for razors. 1,461,490; July 10.
- McBride, Cleavie, Los Angeles, Calif. Oven. 1,461,280; July 10.
- McCabe, Hugh, Lawrence, Mass. Flanging machine. 1,461,041; July 10.
- McCann, Michael, Glenmorris, assignor to Frederick Osann Company, New York, N. Y. Snap-fastener clamp for sewing machines. 1,461,427; July 10.
- McCann, Michael, Glenmorris, assignor to Frederick Osann Company, New York, N. Y. Sewing machine. 1,461,428; July 10.
- McClintock, Ora D., San Francisco, Calif. Hair curler. 1,461,533; July 10.
- McConnell, James W., Washington, D. C., assignor to Government of the United States. Reducing valve. 1,461,248; July 10.
- McCrory, John M. (See Coburn, J. M., and McCrory.)
- McGary, Alexander, New York, N. Y. Steam-locomotive lighting system. 1,461,534; July 10.
- McGee, Frank R., Steubenville, Ohio. Utensil holder. 1,461,363; July 10.
- McGee, Oscar P., Dallas, Tex. Elevator-door hanger. 1,461,249; July 10.
- McGlone, Ignatius V. (See Powell, George G., assignor.)
- McGowan, Charles, G. Peterson, and A. A. Lund, Susanville, Calif. Car-door roller. 1,461,535; July 10.
- McGowan, Henry B., Hurley, Okla. Well-drilling tool. 1,461,154; July 10.
- McKay, Leslie J., et al. (See Roman, Newman A., assignor.)
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Yarn-tension device. 1,461,536; July 10.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Yarn-tension device. 1,461,537; July 10.
- McKechnie, James, and W. F. Rabbidge, Barrow-in-Furness, assignors to Vickers Limited, London, England. Means for indicating error in direction of rotation of shafts and other mechanical rotary members. 1,461,448; July 10.
- McKenzie, Angus, Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y. Sheet-metal building. 1,461,538; July 10.
- McKenzie, Pearl B., Sedalia, Mo. Bracelet. 1,461,250; July 10.
- McLaren, Peter, Whittier, Calif. Automobile signal. 1,461,251; July 10.
- McMullen, Joseph B., Catonsville, assignor to Acme Motor Shield Corporation, Baltimore, Md. Windshield visor. 1,461,398; July 10.
- McWhirter, William C., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,461,042; July 10.
- McWhorter, P. L. (See Brockson, James W., assignor.)
- Mabee, Charles R., and M. C. Mabee, Buffalo, N. Y. Device for condensing gases. 1,461,364; July 10.
- Mabee, May C. (See Mabee, Charles R. and M. C.)
- Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Ship-propulsion system. 1,461,551; July 10.
- Macy, James S. (See Macy, Pearl H. and J. S.)
- Macy, Pearl H. and J. S., Weehawken, N. J. Floor-mop attachment. 1,461,319; July 10.
- Madden, Harry D., Irvington, and J. J. Higgins, East Orange, N. J., assignors to Westinghouse Lamp Company. Method of and apparatus for manufacturing incandescent lamps. 1,461,155; July 10.
- Male, Courtney T., Schenectady, N. Y. Universal fixture. 1,461,668; July 10.
- Mallinckrodt Chemical Works. (See Mallinckrodt, Edward, jr., assignor.)
- Mallinckrodt, Edward, jr., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Purifying and packaging ether. 1,461,539; July 10.
- Manifold Impressions Corporation. (See Cossitt, Malcolm L., assignor.)
- Manufacturers Chemical Company. (See Harrison, George H., assignor.)
- Marcello, Frank A., assignor of four-tenths to J. Franchi, St. Paul, Minn. Polishing machine. 1,461,708; July 10.
- Marks, John, Pearl River, N. Y. Spark plug. 1,461,320; July 10.
- Marks, William B., Waterbury, Conn. Electric combination switch for automobiles. 1,461,429; July 10.
- Marsh, Alonzo K., assignor to A. Kimball Company, New York, N. Y. Marking ticket. 1,461,625; July 10.
- Marten, Thomas H., Toronto, Ontario, Canada. Producing visual depth in projected pictures. 1,461,131; July 10.
- Marten, Thomas H., Toronto, Ontario, Canada. Producing visual depth in projected pictures. 1,461,132; July 10.
- Marten, Thomas H., Toronto, Ontario, Canada. Projection device. 1,461,133; July 10.
- Martens, Frantz A., assignor to Martens' Patent "Twisting-In" Machine Co. Ltd., Copenhagen, Denmark. Mechanical thread-pasting apparatus. 1,461,281; July 10.
- Martens' Patent "Twisting-In" Machine Co. Ltd. (See Martens, Frantz A., assignor.)
- Martin, Charles P. (See Gist, F. B., and Martin.)
- Martin, De Loss K., Orange, N. J., assignor to American Telephone and Telegraph Company. Multiplex transmission circuits. 1,461,064; July 10.
- Martin, Francis L., Brooklyn, assignor of one-half to A. W. Swiezy, New York, N. Y. Loose-leaf connection. 1,461,669; July 10.
- Martin, Milton G., Stevens Point, Wis. Cuspidor. 1,461,156; July 10.
- Maslen, Frank A., et al. (See Walper, Curry O., assignor.)
- Mason, Fred H., Chinchilla, Pa. Mirror support. 1,461,626; July 10.
- Massey, Solon P., Denver, Colo. Stove. 1,461,065; July 10.
- Mathieson, Hugh M., Glasgow, Scotland. Score-indicating device for games. 1,461,449; July 10.
- Mathiotte, Paul, Neuilly-sur-Seine, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Frame for the horizontal development of film plates. 1,461,321; July 10.
- Matlock, Caswell C. (See Gilman, F. L., and Wilson, assignors.)
- Matson, Olaves R., Columbus, Wis. Tobacco packer. 1,461,491; July 10.
- Maull, Edward N., Orlando, assignor to Skinner Machinery Company, Dunedin, Fla. Buffing machine. 1,461,184; July 10.
- Maxwell, Rudolph N., Cincinnati, Ohio. Game. 1,461,218; July 10.
- Maynes, Hyla F., Gaines, Pa. Amusement apparatus. 1,461,322; July 10.
- Mayol, Frank E., Salt Lake City, Utah. Container for frozen dainties. Des. 62,640; July 10.
- Maytag Company. (See Snyder, Howard F., assignor.)
- Mee, Thomas, jr., Clinton, Ill. Electric lantern. 1,461,540; July 10.
- Meerse, Jacob. (See Hunter, John C., assignor.)
- Meigs, Basil. (See Torkelson, E. M., and Meigs.)
- Mellor Bromley & Co. Limited. (See Bromley, T. C., and Cavers, assignors.)
- Messer, Ernest G. (See Solinger, H. R., and Messer.)
- Meyer, Frank H. (See Klaus, F. R., and Meyer.)
- Meyer, Waldemar, Woodhaven, N. Y. Fastening means for ships' plates. 1,461,195; July 10.
- Miehle Printing Press and Manufacturing Company. (See Henderson, Carl, assignor.)
- Miller, Calvin C., Summit Hill, Pa. Toy. 1,461,066; July 10.
- Miller, Edward W., Springfield, assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for generating and cutting threads and the like. 1,461,219; July 10.
- Miller, Frederick H., Portland, Oreg. Machine for making ice-cream cones and the like. 1,461,709; July 10.
- Mills, Bernard, Brooklyn, N. Y., R. R. Row and H. C. Davis, Elizabeth, N. J., assignors to Row & Davis, Engineers, Inc. Heating system. 1,461,541; July 10.
- Mills, Claude B., High River, Alberta, Canada. Saddle. 1,461,282; July 10.
- Mills, William P., assignor to Moore Push-Pin Company, Philadelphia, Pa. Device for inserting map tacks. 1,461,670; July 10.
- Miot, Georges. (See Casalunga, L. D. A., and Miot.)
- Mitchell, Guy C., assignor to The Hoooven, Owens, Rent-schler Company, Hamilton, Ohio. Hydraulic bearing for sugar mills and the like. 1,461,135; July 10.
- Mitchell, Robert M., Chicago, Ill., assignor to International Harvester Company. Corn sheller. 1,461,283; July 10.
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Ship-propulsion system. 1,461,552; July 10.
- Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion. 1,461,553; July 10.
- Modernola Company. (See Friedline, William H., assignor.)
- Moll, William C., Brooklyn, N. Y. Fishing reel. 1,461,043; July 10.
- Montgomery, James W., Thomasville, Ga. Singletree. 1,461,430; July 10.
- Moody, John F., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Electrical testing instrument. 1,461,492; July 10.
- Moore & Moore, Inc. (See Moore, MacCormick G., assignor.)
- Moore, Charles R., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling. 1,461,220; July 10.
- Moore, Edward, assignor to Splidfors Electrical Company, Newark, N. J. Governing device for internal-combustion engines. Re15,650; July 10.

- Moore, MacCormick G., Wyomissing, assignor to Moore & Moore, Inc., Reading, Pa. Dipper tooth. 1,461,136; July 10.
- Moore Push-Pin Company. (See Mills, William P., assignor.)
- Moore, Richard S., and L. B. Jones, Rockdale, Tex. Oil filter. 1,461,627; July 10.
- Moore, Robert H., assignor to Capron Company, Providence, R. I. Vernier tuning dial. 1,461,493; July 10.
- Morris, Charles W., Laramie, Wyo. Oil-well bailer. 1,461,365; July 10.
- Morris, John W. (See Faidley, W. D., jr., Morris, and Patterson.)
- Morris, William T., Brooklyn, N. Y., assignor to American Chain Company, Inc. Automobile bumper. 1,461,431; July 10.
- Mortimer, Louis A., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,461,221; July 10.
- Moser, Robert W., Robbinsdale, Minn. Apparatus for treating sand and gravel. 1,461,067; July 10.
- Moyle, Edward H., assignor of one-half to O. M. Souden, Los Angeles, Calif. Bill ironer and sterilizer. 1,461,252; July 10.
- Mueller, L. J., Furnace Company. (See Buller, Charles M., assignor.)
- Mulford, Harold V., and W. D. Felty, Paulsboro, N. J. Cooking utensil. 1,461,366; July 10.
- Mundie, George W., Peru, Ill. Draft-controlling means for tank heaters. 1,461,157; July 10.
- Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
- Murphy, Walter P. (See Gilpin, Garth G., assignor.)
- Muth, John, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple-driving machine. 1,461,137; July 10.
- Myers, Hubert A., assignor to The Hubert A. Myers Company, Toledo, Ohio. Machine for delivering cores to molds. 1,461,222; July 10.
- Myers, Hubert A., Company, The. (See Myers, Hubert A., assignor.)
- National Biscuit Company. (See Davidson, Frank B., assignor.)
- National Carbon Company. (See French, H. F., and Benner, assignors.)
- Nauts, Frank A., assignor to The Gendron Wheel Company, Toledo, Ohio. Hub-bearing construction. 1,461,223; July 10.
- Nedved, Emanuel W., Millboro, S. Dak. Calf weaner. 1,461,582; July 10.
- Nelson, Charles A. (See Hanson, G., and Nelson.)
- Nelson, Otto, assignor of one-fourth to D. P. Teter and one-fourth to P. Lignell, Chicago, Ill. Gas engine. 1,461,494; July 10.
- Neuland, Alfons H., Jersey City, N. J. Dynamo-electric machine. 1,461,542; July 10.
- New Home Sewing Machine Company, The. (See Welker, Louis, jr., assignor.)
- Newsham, Roy V., Oakland, Calif. Combination billing system. 1,461,399; July 10.
- Newton, Dudley, San Francisco, Calif., assignor of one-half to W. A. Gorieck. Device for flushing toilet fixtures. 1,461,284; July 10.
- Nichols, Elmer E., Oakland, Calif. Aeroplane. 1,461,700; July 10.
- North East Electric Company. (See Dorsey, Farnum F., assignor.)
- Norton Company. (See Greenwood, Wallace W., assignor.)
- Nussbaum, Leon M. (See Dusche, Frederick W., assignor.)
- Oberhoffken, Alexander. (See Rose, H. C., and Oberhoffken.)
- Ocheltree, Joseph L., jr., Norfolk, Va. Locking device. 1,461,400; July 10.
- Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Quick-detachable search-light mounting. 1,461,285; July 10.
- Olson, Herbert O., Rockford, Ill. Decimal-equivalent chart. 1,461,138; July 10.
- Orr, James W., Kansas City, Mo. Emergency brake. 1,461,401; July 10.
- Osann, Frederick, Company. (See McCann, Michael, assignor.)
- Otake Fabric Company, The. (See Lorenz, William A., assignor.)
- Ott, Harry G. (See Ott, Harvey N. and H. G.)
- Ott, Harvey N. and H. G., assignors to Spencer Lens Company, Buffalo, N. Y. Condenser or illuminator for microscopes. 1,461,367; July 10.
- Ottinger, Leon, New York, N. Y. Protecting device for latch parts. 1,461,044; July 10.
- Owen, Obadiah N., Phoenix, Ariz. Garbage can. 1,461,253; July 10.
- P & M Company, The. (See Blair, Rolandis A., assignor.)
- Paasche, Jens A., Chicago, Ill. Air separator. 1,461,045; July 10.
- Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
- Paeplow, Charles H., Buffalo, N. Y. Apparatus for use in making belts or the like. 1,461,368; July 10.
- Page Machine Co. (See Everett, Arthur S., assignor.)
- Pagé, Victor W., Kew Gardens, New York, N. Y. Timing index. 1,461,671; July 10.
- Pagé, Victor W., Kew Gardens, New York, N. Y. Spring mounting. 1,461,672; July 10.
- Paine, Nathan, Oshkosh, Wis. Door construction. 1,461,196; July 10.
- Paine, William W., Palms, Calif. Entrance arch. Des. 62,641; July 10.
- Piper, Vance G. (See Giddings, Frank R., assignor.)
- Palecek, William, et al. (See Brasche, Ferdinand F., assignor.)
- Papin, Oscar C., Dubuque, Iowa. Flush tank. 1,461,673; July 10.
- Papouchis, Christ, Far Rockaway, N. Y. Game apparatus. 1,461,432; July 10.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for making match books. 1,461,433; July 10.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for making match books. 1,461,434; July 10.
- Parke, Carl C., Denver, Colo. Garage-door lock. 1,461,158; July 10.
- Parlow, Anna, Coello, Ill. Signal and guide light for motor vehicles. 1,461,197; July 10.
- Parson, Gordon, Plainfield, N. J. Automobile brake. 1,461,674; July 10.
- Pathe Cinema, Anciens Etablissements Pathe Freres. (See Mathiotte, Paul, assignor.)
- Pathe Cinema Ancienes Etablissements Pathe Freres. (See Salins, Georges A., assignor.)
- Patrick, Joshua, Detroit, Mich. Magnetic speedometer. 1,461,628; July 10.
- Patterson, Frederick W., Pittsburgh, Pa. Restoring poles. 1,461,046; July 10.
- Patterson, Samuel A. (See Faidley, W. D., jr., Morris, and Patterson.)
- Paul, Francois, Montreal, Quebec, Canada. Sanitary apparatus for water-closets. 1,461,139; July 10.
- Pearson, John W., San Francisco, Calif. Drying apparatus. 1,461,224; July 10.
- Pellissier, Vital, Merced, Calif. Controlling device for drain implements. 1,461,198; July 10.
- Pellow, Arthur, assignor to American Optical Company, Southbridge, Mass. Lens grinder. 1,461,094; July 10.
- Perlmann, Schäl & Stern. (See Schüler, Ernst O., assignor.)
- Perse, Peter A., jr., Pueblo, Colo. Shade-roller fixture. 1,461,583; July 10.
- Pessell, Robert C., Bath, England. Signaling apparatus. 1,461,402; July 10.
- Peters, John W., Roslyn, N. Y. Lawn mower. 1,461,323; July 10.
- Peterson, Gustaf. (See McGowan, C., Peterson, and Lund.)
- Petroleum Heat and Power Company. (See Fesler, Milton A., assignor.)
- Pettit, Julia R., Montclair, N. J., assignor to Huyler's, New York, N. Y. Candy novelty. 1,461,543; July 10.
- Pfeffer, Anthony P., Detroit, Mich. Transmission band. 1,461,286; July 10.
- Pfiffner, Emil, Frybourg, Switzerland. High-tension condenser. 1,461,287; July 10.
- Pfeager, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,642; July 10.
- Pfeager, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,643; July 10.
- Pfeager, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,644; July 10.
- Pfeager, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,645; July 10.
- Phenix Cheese Company. (See Eldredge, Elmer E., assignor.)
- Picot, Georges-Valentin, Paris, France. Machine for making bricks, tiles, and other building materials. 1,461,159; July 10.
- Poppenhusen, Herman A., Hammond, assignor to Green Engineering Company, East Chicago, Ind. Stoker furnace. 1,461,450; July 10.
- Porter, Raphael A., Payson, Utah. Vegetable slicer. 1,461,160; July 10.
- Post, Truman W., Providence, R. I., assignor to Electric Auto-Lite Corporation, Toledo, Ohio. Headlight. 1,461,544; July 10.
- Powell, A. L., Power Co., The. (See Powell, Alvah L., assignor.)
- Powell, Alvah L., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont. Internal-combustion engine. 1,461,495; July 10.
- Powell, George G., New York, assignor of one-half to I. V. McGlone, Jamaica, N. Y. Making concrete piles. 1,461,451; July 10.
- Pratt, William B., Wellesley, assignor to E. H. Clapp Rubber Company, Boston, Mass. Reclaiming vulcanized rubber. 1,461,675; July 10.
- Primrose, John W., Clarksdale, Miss. Animal trap. 1,461,288; July 10.
- Primrose, John W., Clarksdale, Miss. Eyeshield attachment for motor vehicles. 1,461,289; July 10.
- Pritchard, John A., Chicago, Ill., assignor, by mesne assignments, to Structural Gypsum Corporation, New York, N. Y. Building construction. 1,461,452; July 10.
- Prizma, Incorporated. (See Kelley, William V. D., assignor.)
- Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)

- Prouty, Charles N., Spencer, Mass. Bedclothes holder. 1,461,199; July 10.
- Psilander, Charles A., assignor to William Wharton, Jr. & Company Incorporated, Easton, Pa. Frog or crossing structure. 1,461,701; July 10.
- Puening, Franz, Pittsburgh, Pa., assignor to American Tar Products Company, Chicago, Ill. Apparatus for coking liquefiable bituminous materials. 1,461,324; July 10.
- Purnell, William R., Philadelphia, Pa. Mechanical pressure atomizing fuel burner. 1,461,545; July 10.
- Pytlak, Stanley, McMechen, W. Va. Wall-papering device. 1,461,453; July 10.
- Q R S Music Company, The. (See Hagey, J. C., and Kavanaugh, assignors.)
- Quémard, Lucien M., Royan, France. Hose clamp. 1,461,290; July 10.
- Quinn, E. J. (See Regan, Patrick T., assignor.)
- Quist, John, Detroit, Mich. Fire kindler. 1,461,496; July 10.
- Rabbidge, William F. (See McKechnie, J., and, Rabbidge.)
- Raffay, Andrew, Schenectady, N. Y. Bushing extractor. 1,461,554; July 10.
- Ramage, John H., Norfolk, Va., assignor to Westinghouse Lamp Company. Treating filaments for incandescent electric lamps. 1,461,140; July 10.
- Rarig, Walter A., Oakland, Calif. Oilier for engines. 1,461,325; July 10.
- Rauschenberg, Emil C., assignor to Wheeling Mold & Foundry Co., Wheeling, W. Va. Cast-metal annealing box. 1,461,555; July 10.
- Ray, Joseph L., South Orange, N. J. Advertising sign. 1,461,047; July 10.
- Ray, William. (See Ellis, Wallace, assignor.)
- Read, Charles F. (See Read, William L., assignor.)
- Read, William L., assignor of one-half to C. F. Read, Chicago, Ill. Coupling head. 1,461,225; July 10.
- Reddig, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Clothes wringer. 1,461,226; July 10.
- Redman, Walter H., Newark, N. J., assignor, by mesne assignments, to H. Boker & Co., Inc. (of N. J.), New York, N. Y. Hair clipper. 1,461,326; July 10.
- Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
- Reece, Franklin A. (See Reece, John and F. A.)
- Reece, John, assignor to Reece Transmission Company, Boston, Mass. Variable-speed transmission. 1,461,556; July 10.
- Reece, John, assignor to Reece Transmission Company, Boston, Mass. Power transmission. 1,461,557; July 10.
- Reece, John, assignor to Reece Transmission Company, Boston, Mass. Power-transmission apparatus. 1,461,558; July 10.
- Reece, John, Boston, and F. A. Reece, Brookline, assignors to Reece Transmission Company, Boston, Mass. Power-transmission apparatus. 1,461,559; July 10.
- Reece Transmission Company. (See Reece, John, assignor.)
- Reece Transmission Company. (See Reece, John and F. A., assignors.)
- Reed, Robert W., Rochester, Minn. Surgical appliance, brace, and socket for arms and legs. 1,461,161; July 10.
- Regan, Patrick T., assignor of one-half to E. J. Quinn, Bayonne, N. J. Rack. 1,461,676; July 10.
- Regensteiner, Theodore, Chicago, Ill. Printing roller. 1,461,068; July 10.
- Reilly, James F., Philadelphia, Pa. Trolley. 1,461,454; July 10.
- Reiner, Abram M., Cleveland, Ohio. Windshield. 1,461,095; July 10.
- Reinhart, Francis M., Rudolph, Wis. Silo ladder. 1,461,291; July 10.
- Reiss, Paul, assignor to the Firm Gutschow & Co. G. m. b. H., Danzig, Germany. Tens-carrying device for calculating machines. 1,461,455; July 10.
- Remington Typewriter Company. (See Barr, John H., assignor.)
- Remington Typewriter Company. (See Cook, Harry E., assignor.)
- Remington Typewriter Company. (See Holden, Joseph B., assignor.)
- Remington Typewriter Company. (See Schmidt, Peter L., assignor.)
- Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Tread section for antiskid devices for vehicle wheels. 1,461,327; July 10.
- Reynolds, Alonzo G., Oakland, Calif. Concrete wall. 1,461,369; July 10.
- Reynolds, Clarence N., jr., Providence, R. I. Slide rule. 1,461,677; July 10.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Line switch. 1,461,644; July 10.
- Reynolds, Joy S., assignor of one-half to C. A. Balcom, San Francisco, Calif. Automatic cut-out. 1,461,456; July 10.
- Rheinische Metallwaren- und Maschinenfabrik. (See Romberg, Heinrich, assignor.)
- Rhoebcker, Henry, Columbus, Ohio. Car door. 1,461,678; July 10.
- Rice, Percy F., Tustin, Calif. Gear-shift lever. 1,461,457; July 10.
- Rich, George R., Los Angeles, Calif. Valve tappet for internal-combustion engines. 1,461,560; July 10.
- Richards, Thomas, sr., Portage, Pa. Railway mine tie and rail fastener. 1,461,069; July 10.
- Richards, Thomas T., et al. (See Hachmann, Frederick, assignor.)
- Richmond Lace Works. (See Smedley, Thomas H., assignor.)
- Rigg, Charles D., Altoona, Pa. Bow for musical instruments. 1,461,096; July 10.
- Rimailho, Emile, Paris, France. Regulating device for the flow of liquid in artillery brakes. 1,461,403; July 10.
- Rippl, Charles H., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Overload device. 1,461,370; July 10.
- Rix, Edward A., San Francisco, Calif. Liquid measuring and dispensing apparatus. 1,461,292; July 10.
- Robbins, Grover C., Blowing Rock, N. C. Radius leaf. 1,461,497; July 10.
- Roberts, Lewis D., Washington, D. C. Can opener. 1,461,162; July 10.
- Robertson, Robert, London, assignor of one-half to F. H. Austin, Audlem, Chester, England. Apparatus for spraying liquids by compressed air. 1,461,546; July 10.
- Robinson, Arthur W., San Antonio, Tex. Automatic flushing apparatus. 1,461,163; July 10.
- Robinson, Charles O., Bismarck, N. Dak. Convertible baby carriage. 1,461,458; July 10.
- Rogers, Charles E., Detroit, Mich. Condensing fluids. 1,461,164; July 10.
- Rogers, Everett I., jr., Providence, R. I. Collar holder. 1,461,328; July 10.
- Roggen, Isaac, Yonkers, N. Y. Garment. 1,461,679; July 10.
- Roman, Newman A., assignor of one-fourth to L. J. McKay and one-fourth to H. Hess, Deer Trail, Colo. Windmill wheel. 1,461,048; July 10.
- Romberg, Heinrich, Düsseldorf, assignor to the Firm Rheinische Metallwaren- und Maschinenfabrik, Düsseldorf-Derendorf, Germany. Recoil gun. 1,461,561; July 10.
- Rooney, Elwin H., Providence, R. I. Cotton-cleaning machine. 1,461,562; July 10.
- Root, Le Roy, Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip-stick container. 1,461,680; July 10.
- Rosacker, Max F., Mount Penn, Pa. Arm for lighting fixtures. Des. 62,646; July 10.
- Rose, Howard C., and A. Oberhoffen, Detroit, Mich., assignors to Ingersoll Milling Machine Company, Rockford, Ill. Circular-milling machine. 1,461,097; July 10.
- Rose, Howard C., and A. Oberhoffen, Detroit, Mich., assignors to Ingersoll Milling Machine Company, Rockford, Ill. Milling machine. 1,461,098; July 10.
- Roseth Corporation. (See Rottman, George, assignor.)
- Roth, Pedro, Buenos Aires, Argentina. Automatic valve. 1,461,404; July 10.
- Rottman, George, New York, assignor to Roseth Corporation, Brooklyn, N. Y. Dustproof and mothproof bag. 1,461,049; July 10.
- Row & Davis, Engineers, Inc. (See Mills, B., Row, and Davis, assignors.)
- Row, Reuben R. (See Mills, B., Row, and Davis.)
- Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh bag. Des. 62,647; July 10.
- Royster, Orlando, Spokane, Wash. Railway brake. 1,461,254; July 10.
- Rudesyle, Peter M., Passaic, N. J. Pick for stringed instruments. 1,461,070; July 10.
- Salins, Georges A., Vincennes, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Machine for treating cinematographic films. 1,461,329; July 10.
- Sandor, Nicholas, Dresden, Germany. Egg crate. 1,461,099; July 10.
- Sangston, Lawrence R., Loveland, Colo. Package-tying device. 1,461,584; July 10.
- Santaló, Miguel, Barcelona, Spain. Machine for treating skins of thread. 1,461,330; July 10.
- Scanlan, Matthew R., Liverpool, England. Stationery label. 1,461,585; July 10.
- Schank, John E., Chicago, Ill. Golf bag. 1,461,459; July 10.
- Scharer-Nussbaumer & Co. (See Zindel, Ernst, assignor.)
- Schick, Harry C., Newark, N. J. Catch for necklaces. Des. 62,648; July 10.
- Schick, Harry C., Newark, N. J. Catch for necklaces. Des. 62,649; July 10.
- Schick, Harry C., Newark, N. J. Catch for necklaces. Des. 62,650; July 10.
- Schick, Harry C., Newark, N. J. Catch for necklaces. Des. 62,651; July 10.
- Schlegel, Arnold H. (See Henricks, Henry E., assignor.)
- Schmid, William, Coldwater, Mich. Level-wind fish reel. 1,461,586; July 10.
- Schmidt, Albert, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,461,629; July 10.

- Schmidt, Charles, Clifton, N. J. Curtain and shade pole fixture. 1,461,255; July 10.
- Schmidt, Peter L., Mohawk, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,461,331; July 10.
- Schmiedeknecht, Victor E., Louisville, Ky. Ware-molding apparatus and process. 1,461,563; July 10.
- Schoepe, Joseph, New York, N. Y. Paper-cup-dispensing device. 1,461,332; July 10.
- Schroth, Robert C., Jr., New York, N. Y., and C. A. Herman, Bridgeport, Conn. Power hammer. 1,461,460; July 10.
- Schuckman, John P., Wichita, Kans. Animal trap. 1,461,681; July 10.
- Schuetz, George L., Zionsville, Ind. Automatic stop for phonographs. 1,461,050; July 10.
- Schüler, Ernst O., Falkenstein, Germany, assignor to Perlmann, Schäl & Stern, New York, N. Y. Machine embroidery. Des. 62,652; July 10.
- Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Transmission drive for speedometers. 1,461,293; July 10.
- Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,461,071; July 10.
- Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Tray drier. 1,461,682; July 10.
- Schwerin, Paul, assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube manufacture. 1,461,227; July 10.
- Schwerin, Paul, assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for coating material. 1,461,228; July 10.
- Scovill Manufacturing Company. (See Root, Le Roy, assignor.)
- Searl, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,461,051; July 10.
- Sears, David C., Altus, Okla., and A. M. Bradford, Clovis, N. Mex. Boiler-feed mechanism. 1,461,683; July 10.
- Seymour, Napoleon H., Waltham, Mass. Plating half-rotary feed guide. 1,461,684; July 10.
- Shaner, Arthur L., San Francisco, Calif. Rope hitch. 1,461,498; July 10.
- Shankland, Nora L., Newton, Iowa. Window stop. 1,461,499; July 10.
- Sheriff, David H., Jr., Kansas City, Mo. Rheostat with auxiliary contact system. 1,461,072; July 10.
- Shippee, Hartwell B., Killingly, Conn. Screen for windows and screen doors. 1,461,500; July 10.
- Shofer, William H., Barborton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Composition-applying device for book-match machines. 1,461,461; July 10.
- Short, Charles R., and A. L. Cash, Detroit, Mich. Air-cleaning device. 1,461,630; July 10.
- Silverthorn, Rufus P., Marion, Ohio. Amplifier. 1,461,685; July 10.
- Simpson, Alfred B., North Vernon, Ind. Burglar alarm. 1,461,294; July 10.
- Simpson, William E., Detroit, Mich. Hoist. 1,461,052; July 10.
- Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)
- Skinner Machinery Company. (See Maull, Edward N., assignor.)
- Slaiger, Henry, assignor to D. F. Briggs Company, Attleboro, Mass. Toilet kit. 1,461,501; July 10.
- Slaymaker Electric Welding Company. (See Slaymaker, George D., assignor.)
- Slaymaker, George D., Detroit, Mich., assignor to Slaymaker Electric Welding Company. Disk wheel. 1,461,229; July 10.
- Smedley, Thomas H., Long Eaton, England, assignor to Richmond Lace Works, Alton, R. I. Lace. Des. 62,653; July 10.
- Smerechanski, Mike, Berwick, Pa. Teeter board. 1,461,631; July 10.
- Smith, Harry H. (See Hall, R. D., and Smith.)
- Smith, Harry H., Newark, N. J., assignor to Westinghouse Lamp Company. Treating filaments for incandescent electric lamps. 1,461,100; July 10.
- Smith, John H., and G. J. Kenzel, assignors to Eclipse Interchangeable Counterbore Company, Detroit, Mich. Counterboring tool. 1,461,462; July 10.
- Snell, Leroy S., Utica, N. Y. Track signal. 1,461,165; July 10.
- Snyder, Howard F., assignor to Maytag Company, Newton, Iowa. Washing machine. 1,461,632; July 10.
- Societe Anonyme pour l'Exploitation des Procédes Maurice Leblanc-Vickers. (See Leblanc, Charles L. A. M., assignor.)
- Societe Anonyme pour l'Exploitation des Procédes Westinghouse Leblanc. (See Leblanc, Maurice, assignor.)
- Society of Chemical Industry in Basle. (See Staudinger, H., Veraguth, and Tobler, assignors.)
- Solinger, Henry R., and E. G. Messer, Zillah, assignors to Solinger Power Company, Elmo, Wash. Current motor. 1,461,502; July 10.
- Solinger Power Company. (See Solinger, H. R., and Messer, assignors.)
- Solomon, Joseph S., Evansville, Ind. Spark plug. 1,461,405; July 10.
- Soltesz, Charles, assignor of one-half to J. R. Hladish, New York, N. Y. Horseshoe. 1,461,333; July 10.
- Sonander, Andrew, assignor to Howe Scale Company, Rutland, Vt. Elevating truck. 1,461,371; July 10.
- Soper, Charles E., Elmira, N. Y. Cushioned hub. 1,461,166; July 10.
- Souden, Oscar M. (See Moyle, Edward H., assignor.)
- Southern Cement Machine Company. (See Cohoon, Robert S., assignor.)
- Spencer Lens Company. (See Ott, Harvey N. and H. G., assignors.)
- Spiltdorf Electrical Company. (See Leibing, Joseph K., assignor.)
- Spiltdorf Electrical Company. (See Moore, Edward, assignor.)
- Spiltdorf Electrical Company. (See Tomlinson, Edward J., assignor.)
- Springer, William N., Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich. Tractor. 1,461,714; July 10.
- Stafford, Lewis F., assignor to Stafford Spring Guard Co., Chicago, Ill. Bumper. 1,461,564; July 10.
- Stafford Spring Guard Co. (See Stafford, Lewis F., assignor.)
- Staley, Joseph H., Columbus, Ind. Straightening press and using same. 1,461,463; July 10.
- Stalter, Harry E., Moline, Ill. Cut-off slide attachment. 1,461,464; July 10.
- Standard Development Company. (See Winchester G., and Howard, assignors.)
- Stansbury, John H., Norfolk, Va. Card game board. 1,461,633; July 10.
- Staudinger, Hermann, Zurich, H. Veraguth and R. Tobler, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Indigoidic dyestuffs and making same. 1,461,436; July 10.
- Stearns, William B., Milton, Mass. Electrical distributor. 1,461,101; July 10.
- Stebler, Fred, and R. E. Davis, assignors to Stebler Parker Co., Riverside, Calif. Fruit-sizing apparatus. 1,461,702; July 10.
- Stebler, Fred, assignor to Stebler-Parker Co., Riverside, Calif. Box-elevator feeder. 1,461,465; July 10.
- Stebler Parker Co. (See Stebler, F., and Davis, assignor.)
- Stebler-Parker Co. (See Stebler, Fred, assignor.)
- Sternbergh, James H., Reading, Pa. Differential gear. 1,461,102; July 10.
- Stevens, Jesse E., Lebanon, Ind. Spring-repairing device. 1,461,295; July 10.
- Stevenson Company, The. (See Hibbins, Thomas A., assignor.)
- Stewart, Arthur W. (See Bonk, F. J., and Stewart.)
- Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)
- Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)
- Stinton, Ethel D., Bisbee, Ariz. Tire carrier. 1,461,503; July 10.
- Stoeke, Erwin R., Milwaukee, Wis. Rheostat and the like. 1,461,634; July 10.
- Stone, Reginald W., Pasadena, Calif. Tool. 1,461,686; July 10.
- Stone, Tilden J., Lenoir, N. C. Combined coaster and chair. 1,461,406; July 10.
- Stout, George W., Merchantville, N. J. Cable end and housing and assembling the same. 1,461,466; July 10.
- Strachan, James F., et al. (See Chidlow, David, assignor.)
- Strachan, William S., et al. (See Chidlow, David, assignor.)
- Strandell, Knut R., Syracuse, N. Y. Pressure gauge. 1,461,200; July 10.
- Strobel, Roy E., San Luis Obispo, Calif. Fuel cleaner. 1,461,687; July 10.
- Structural Gypsum Corporation. (See Pritchard, John A., assignor.)
- Stuart, Robert, Philadelphia, Pa. Window fastener and antirattler. 1,461,467; July 10.
- Stubbs, Everard, and E. R. Fellows, assignors to The Fellows Gear Shaper Company, Springfield, Vt. Skew helical crown gearing. 1,461,230; July 10.
- Stuber, Adolph, Rochester, N. Y. Fluid measuring and indicating mechanism. Re15,651; July 10.
- Stuebing, William, Jr., Cincinnati, Ohio. Lifting truck. 1,461,688; July 10.
- Stuemke, Henry G., Good Thunder, Minn. Egg case. 1,461,587; July 10.
- Styll, Harry H., Southbridge, Mass. Ophthalmic mounting. 1,461,073; July 10.
- Sudderberg, Lewis O., Stratford, Ia. Damper control. 1,461,231; July 10.
- Sullivan Machinery Company. (See Halleck, Frank A., assignor.)
- Super Razors Incorporated. (See Watt, James A. D., assignor.)
- Swanson, Olaf J., Chappaqua, N. Y. Fly-paper holder. 1,461,689; July 10.
- Swiezy, Adolf W. (See Martin, Francis L., assignor.)
- Szczerba, Walter, Newark, N. J. Envelope. 1,461,635; July 10.
- Tanquary, Elmer S., Lawrenceville, Ill. Attachment for stringed instruments. 1,461,636; July 10.

- Tanzi, Guido, Long Island City, N. Y. Macaroni die. 1,461,504; July 10.
- Teagle Company, The. (See Tower, Charles H., assignor.)
- Teter, Daniel P., et al. (See Nelson, Otto, assignor.)
- Thompson, Arthur B., Seattle, Wash. Clutch-operating device. 1,461,256; July 10.
- Thompson, Arthur B., Missoula, Mont. Toy gun. 1,461,257; July 10.
- Thornton, Frederick, Huntington, W. Va. Resilient rim for automobile wheels. 1,461,505; July 10.
- Throusen, Sigurd, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Filament support. 1,461,232; July 10.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Vibration-damping device. Re15,645; July 10.
- Tillyer, Edgar D., and J. F. Wixted, assignors to American Optical Company, Southbridge, Mass. Lens-marking device. 1,461,074; July 10.
- Tobler, Richard. (See Staudinger, H., Veraguth, and Tobler.)
- Tolley, Albert E. (See Brookes, J., and Tolley.)
- Tomlinson, Edward J., assignor to Splittdorf Electrical Company, Newark, N. J. Governor for electric circuits. 1,461,103; July 10.
- Torkelson, Eilet M., and B. Meigs, Washington, D. C. Disk wheel. 1,461,690; July 10.
- Tower, Charles H., assignor to The Teagle Company, Cleveland, Ohio. System for generating and distributing electric currents. 1,461,234; July 10.
- Trent Process Corporation. (See Trent, Walter E., assignor.)
- Trent, Walter E., Washington, D. C. Carbonaceous fuel. 1,461,167; July 10.
- Trent, Walter E., assignor to Trent Process Corporation, Washington, D. C. Treating ore and like materials. 1,461,372; July 10.
- Trenteseau, Edgar L., Boston, Mass. Night lamp. 1,461,233; July 10.
- Trickey, Charles W., McGrath, Minn. Window screen. 1,461,588; July 10.
- Tritt, Samuel J., jr., Carlisle, Pa. Rotary valve. 1,461,296; July 10.
- Trout, Silas E., Philadelphia, Pa. Card index. 1,461,407; July 10.
- Troxel, Harvey H. (See Billman, Obed C., assignor.)
- Trucson Steel Company. (See White, Herbert E., assignor.)
- Trust, Henry, deceased, Park Ridge, N. J., and F. M. Ashley, Brooklyn, N. Y.; said Ashley assignor of his right to J. Trust, Park Ridge, N. J.; J. Trust, administratrix. Mixing and beating machine. 1,461,468; July 10.
- Trust, Josephine, administratrix. (See Trust, H., and Ashley.)
- Trust, Josephine. (See Trust, H., and Ashley, assignors.)
- Tulloch, Thomas G., London, England. Method of and means for propelling and controlling vessels. 1,461,691; July 10.
- Turner, James P., Faulkton, S. Dak. Horseshoeing device. 1,461,297; July 10.
- Tuso, Domenico, Burbank, Calif. Amusement device. 1,461,075; July 10.
- U. S. Slicing Machine Company. (See Bachman, Rudolph W., assignor.)
- United Alloy Steel Corporation. (See McKenzie, Angus, assignor.)
- United Hydro-Carbons Company. (See Clarke, Alexander, assignor.)
- United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)
- United Shoe Machinery Corporation. (See Keyes, Eugene L., assignor.)
- United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)
- United Shoe Machinery Corporation. (See Warren, Frank H., assignor.)
- Universal Tobacco Machine Company. (See Jackson, Graham H., assignor.)
- Vacek, Charles, Chicago, Ill. Necktie holder. 1,461,506; July 10.
- Van Antwerp, Harold O. (See Withrow, F. G., and Van Antwerp.)
- Van Dorn, William E., Chicago, Ill. Means for attaching steel car ends. 1,461,201; July 10.
- Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough-rounding-up machine. 1,461,076; July 10.
- Vanicek, Otto V., Temple, Tex. Cultivator harrow. 1,461,053; July 10.
- Veazer, John A., Youngstown, Ohio. Car replacer. 1,461,589; July 10.
- Velte, Charles J., Waterbury, Conn. Athlete's medal. 1,461,565; July 10.
- Venable, William M., Pittsburgh, Pa. Phonograph. 1,461,334; July 10.
- Venon, Jules H., New York, N. Y. Dish. Des. 62,654; July 10.
- Venon, Jules H., New York, N. Y. Dish. Des. 62,655; July 10.
- Venon, Jules H., New York, N. Y. Dish. Des. 62,656; July 10.
- Venon, Jules H., New York, N. Y. Dish. Des. 62,657; July 10.
- Venon, Jules H., New York, N. Y. Dish. Des. 62,658; July 10.
- Veraguth, Hans. (See Studinger, H., Veraguth, and Tobler.)
- Vester, Alfred Sons, Inc. (See Howell, Hamilton T., assignor.)
- Vickers Limited. (See McKechnie, J., and Rabbidge, assignors.)
- Vische, Cipriano, Geneva, Italy. Cinematographic apparatus for the performance of musical films. 1,461,298; July 10.
- Voge, Edward, West Alexandria, Ohio. Propeller. 1,461,054; July 10.
- Voorst, J. Clarence, New York, N. Y. Division plate for egg cases. 1,461,235; July 10.
- Vosburg, Alan E., and R. B. Whitney, Detroit, Mich., assignors to A. V. Hannifin, Chicago, Ill. Boring bar and the like. 1,461,202; July 10.
- Vosler, Kenneth D., South Amboy, N. J. Drawing implement. 1,461,335; July 10.
- Vulcan Last Company, The. (See Searl, Clinton M., assignor.)
- Wade, James M. (See Wells, A. Z., and Wade.)
- Wadleigh, Rufus D., Old Town, Me. Baffle block and combustion-chamber top. 1,461,566; July 10.
- Wagner, Paul A., Jersey City, N. J. Reed for looms. 1,461,547; July 10.
- Walker, George L., Moorhead, Minn. Check-protecting means. 1,461,055; July 10.
- Walker Signal and Equipment Corporation. (See Walker, William L., assignor.)
- Walker, William L., assignor to Walker Signal and Equipment Corporation, New York, N. Y. Signaling apparatus. 1,461,056; July 10.
- Walper, Curry O., assignor of one-third to F. A. Maslen and one-third to B. E. Clark, Detroit, Mich. Wall construction. 1,461,590; July 10.
- Walsh, Philip R., et al. (See Bachmann, Frederick, assignor.)
- Warren, Frank H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tack-pulling device. 1,461,057; July 10.
- Watt, James A. D., London, England, assignor to Super Razors Incorporated, New York, N. Y. Safety razor. 1,461,168; July 10.
- Watts, George W., Hot Springs, Ark. Spring wheel. 1,461,408; July 10.
- Wayrynen, Eino H., East Lake, Minn. Gate lock. 1,461,591; July 10.
- Webb, Benjamin F. (See Karl, A. J., and Webb.)
- Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Shaft hanger. 1,461,236; July 10.
- Webb-Multispeed Winch Manufacturing Company. (See Karl, A. J., and Webb, assignors.)
- Webster, Edwin M. (See Falzer, L., and Webster.)
- Webster, Hyleman A., Columbia, Tenn. Making superphosphates. 1,461,077; July 10.
- Webster, Ralph C., Haverhill, Mass. Cushioned toe reinforcement for lasts. 1,461,469; July 10.
- Wehn, Charles E., assignor to Listo Pencil Corporation, Alameda, Calif. Shaping pyroxylin, celluloid, and like materials. 1,461,299; July 10.
- Weide, Hans, Brooklyn, assignor to Lorenz & Weide, New York, N. Y. Holder or cabinet for carrying talking-machine records. 1,461,336; July 10.
- Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)
- Weiss, Howard F., assignor to C. F. Burgess Laboratories, Madison, Wis. Wall board. 1,461,337; July 10.
- Welker, Louis, jr., Williamsport, Pa., assignor to The New Home Sewing Machine Company, Orange, Mass. Sewing-machine driving mechanism. 1,461,058; July 10.
- Wells, Alfred Z., and J. M. Wade, Wenatchee, Wash. Fruit elevator. 1,461,638; July 10.
- Wentworth, Philip C., Providence, R. I. Ring traveler. 1,461,059; July 10.
- West, Claude A., Detroit, Mich. Metal-working tool. 1,461,548; July 10.
- West, Ralph H., Bay City, Mich. Safety windshield. 1,461,237; July 10.
- Western Electric Company. (See Bell, John H., assignor.)
- Western Electric Company. (See Dobbin, Henry F., assignor.)
- Western Electric Company. (See Fletcher, Harvey, assignor.)
- Western Electric Company. (See Houskeeper, William G., assignor.)
- Western Electric Company. (See Irvine, Frank S., assignor.)
- Western Electric Company. (See Moore, Charles R., assignor.)
- Western Electric Company. (See Mortimer, Louis A., assignor.)
- Western Electric Company. (See Reddig, Charles E., assignor.)
- Western Electric Company. (See Reynolds, John N., assignor.)
- Western Electric Company. (See Schwerin, Paul, assignor.)
- Western Electric Company. (See Throusen, Sigurd, assignor.)
- Western Gas Construction Company, The. (See Hayes, Fred B., assignor.)

- Western Union Telegraph Company, The. (See Benjamin, George R., assignor.)
- Westinghouse Air Brake Company, The. (See McWhirter, William C., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Burns, James A., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Dann, Walter M., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
- Westinghouse Lamp Company. (See Hall, R. D., and Smith, assignors.)
- Westinghouse Lamp Company. (See Hall, Roy D., assignor.)
- Westinghouse Lamp Company. (See Lederer, Anton, assignor.)
- Westinghouse Lamp Company. (See Madden, H. D., and Higgins, assignors.)
- Westinghouse Lamp Company. (See Ramage, John H., assignor.)
- Westinghouse Lamp Company. (See Smith, Harry H., assignor.)
- Wharton, William, Jr., & Company. (See Psilander, Charles A., assignor.)
- Wheeler, Charles H., East Palestine, Ohio. Rubber tire. Des. 62,659; July 10.
- Wheeler, Harriett V., Chicago, Ill. Flour sifter. 1,461,567; July 10.
- Wheeling Mold & Foundry Co. (See Rauschenberg, Emil C., assignor.)
- White, Herbert E., assignor to Trucson Steel Company, Youngstown, Ohio. Steel form for concrete construction. 1,461,409; July 10.
- White, John W., Jr., assignor to General Motors Corporation, Detroit, Mich. Motor vehicle. 1,461,715; July 10.
- Whiteside, John W., New York, N. Y. Luggage carrier. 1,461,373; July 10.
- Whiting & Davis Company. (See Rowan, Harry B., assignor.)
- Whitney, Robert B. (See Vosburg, A. E., and Whitney.)
- Whitney, Wallace P., Springfield, Ill. Spacer for paving blocks. 1,461,060; July 10.
- Whittier, Nelson P., Beverly Hills, Calif. Gasoline tank and feed-line lock. 1,461,507; July 10.
- Wilkens, Jacob K., Muscatine, Iowa. Demountable rim. 1,461,592; July 10.
- Willson, Mendal W., Mount Carmel, Ill. Ozonizer. 1,461,238; July 10.
- Wilson, Joseph R. (See Gilman, F. L., and Wilson.)
- Wilson, Walter C., Montello, Nev. Insect catcher. 1,461,169; July 10.
- Wilson, William D., and A. Cullander, assignors of one-third to E. Haga, Belzoni, Miss. Cotton tramper. 1,461,639; July 10.
- Winchester, George, Roselle, and F. A. Howard, Elizabeth, N. J., assignors to Standard Development Company. Spark plug. 1,461,300; July 10.
- Wirrkala, Oscar A., Rome Township, Whatcom County, Wash. Logging engine. 1,461,338; July 10.
- Wirrer, Gottfried, Plainfield, N. J., assignor, by mesne assignments, to Connecticut Telephone and Electric Co., Inc., Meriden, Conn. Ignition regulator for internal-combustion engines. 1,461,339; July 10.
- Wirth-Frey, Elias, assignor to the Firm Aktiengesellschaft Kummier & Matter, Aarau, Switzerland. Process and apparatus for evaporating liquids. 1,461,640; July 10.
- Wiskott, Max, Breslau, Germany. Producing reflectors. 1,461,301; July 10.
- Withrow, Floyd G., and H. O. Van Antwerp, Grand Rapids, Mich.; said Van Antwerp assignor to said Withrow. Antirattler. 1,641,549; July 10.
- Wixted, John F. (See Tillyer, E. D., and Wixted.)
- Woltmann, Ernst, New York, N. Y. Operator's outfit for electric welding. Re15,652; July 10.
- Wood, Charles R., Fargo, N. Dak. Pocket for wearing apparel. Re15,646; July 10.
- Wood, Charles R., Fargo, N. Dak. Rule pocket. Re15,647; July 10.
- Woodson, Allen B., and W. Ferril, Clarksville, Tenn.; said Woodson assignor to said Ferril. Hand car. 1,461,593; July 10.
- Worstall, George G., Toms River, N. J. Cultivator. 1,461,508; July 10.
- Wright, Allyn L. (See Hopkins, James E., assignor.)
- Wright, Frank A., Hutchinson, Kans. Cleaning fluid for impregnating dust cloths and the like. 1,461,170; July 10.
- Wylie, William J., Columbia, Miss., and C. W. Cooper, Oxford, Ala.; said Cooper assignor to G. W. Green, Columbia, Miss. Extension frame for Fordson tractors. 1,461,598; July 10.
- Wyman-Gordan Company. (See Damerell, Mark H., assignor.)
- Yurow, Andrew, New York, assignor to S. M. Elowsky, Brooklyn, N. Y. Lock. 1,461,692; July 10.
- Zindel, Ernst, assignor to the Firm Scharer-Nussbaumer & Co., Erlenbach, Switzerland. Winding machine. 1,461,641; July 10.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Aeroplane. E. E. Nichols. 1,461,700; July 10.
Air-brake mechanism. L. G. Black. 1,461,025; July 10.
Air cleaner. A. C. Bennett. 1,461,174; July 10.
Air-dispensing device. C. B. Fry. 1,461,389; July 10.
Air separator. J. A. Paasche. 1,461,045; July 10.
Alarm: See—
Burglar alarm.
Alloy. F. M. Becket. 1,461,643; July 10.
Alloy. H. S. Cooper. 1,461,178; July 10.
Alloys in the form of paste or sludge, Apparatus for the electrolytic production of metallic. B. Leech. 1,461,276; July 10.
Amplifier. R. P. Silverthorn. 1,461,685; July 10.
Amusement apparatus. H. F. Maynes. 1,461,322; July 10.
Amusement device. D. Tusco. 1,461,075; July 10.
Anchor. Decoy. R. M. Hill. 1,461,617; July 10.
Anchor plate. E. and W. H. Clark. 1,461,308; July 10.
Animal trap. J. W. Primrose. 1,461,288; July 10.
Animal trap. J. P. Schuckman. 1,461,681; July 10.
Annealing box. Cast-metal. E. C. Rauschenberg. 1,461,555; July 10.
Antirater. F. G. Withrow and H. O. Van Antwerp. 1,461,549; July 10.
Antiskid device for vehicle wheels. A. J. Borst, jr. 1,461,378; July 10.
Antiskid devices for vehicle wheels. Tread section for. J. R. Reyburn. 1,461,327; July 10.
Arch. Entrance. W. W. Paine. Des. 62,641; July 10.
Automatic switch. F. S. Irvine. 1,461,528; July 10.
Automobile and other engines, Valve-spring compressor for. D. Clerico. 1,461,346; July 10.
Automobile brake. G. Parson. 1,461,674; July 10.
Automobile bumper. W. T. Morris. 1,461,431; July 10.
Automobile signal. P. McLaren. 1,461,251; July 10.
Automobile spring. F. G. Krakan. 1,461,274; July 10.
Automobile springs. Repair device for. P. T. Jasmin. 1,461,273; July 10.
Automobiles, Electric combination switch for. W. B. Marks. 1,461,429; July 10.
Automobiles, Oven attachment for. J. E. Z. Fowle. 1,461,142; July 10.
Automotive brake. W. C. McWhirter. 1,461,042; July 10.
Bag: See—
Golf bag.
Bag or net fastener. B. L. Herrick. 1,461,120; July 10.
Baling press. T. Cook. 1,461,577; July 10.
Banjos, Resonance device for. F. R. L. Berge. 1,461,596; July 10.
Basket. A. J. Flauder. Des. 62,631; July 10.
Bath and basin fitting. F. C. Darling. 1,461,698; July 10.
Bearing for sugar mills and the like, Hydraulic. G. C. Mitchell. 1,461,135; July 10.
Bedclothes holder. C. N. Prouty. 1,461,199; July 10.
Bell ringer, Automatic. J. W. Buckland. 1,461,177; July 10.
Belts or the like, Apparatus for use in making. C. H. Paeplow. 1,461,368; July 10.
Billing system, Combination. R. V. Newsham. 1,461,399; July 10.
Bill ironer and sterilizer. E. H. Moyle. 1,461,252; July 10.
Block and combustion-chamber top, Baffle. R. D. Wadleigh. 1,461,566; July 10.
Board: See—
Game board. Wall board.
Teeter board.
Boats, Propelling attachment for. J. N. Coughlan. 1,461,697; July 10.
Boiler: See—
Ham boiler.
Boiler feed mechanism. D. C. Sears and A. M. Bradford. 1,461,683; July 10.
Boring bar and the like. A. E. Vosburg and R. B. Whitney. 1,461,202; July 10.
Bottle-capping machines, Compensating mechanism for. C. W. Kendall. 1,461,550; July 10.
Bottle handle, Milk-. L. Kranzl. 1,461,621; July 10.
Bottles, Holder for nursing. R. E. Bannon. 1,461,342; July 10.
Box: See—
Annealing box. Match box.
Display box. Sound box.
Boxes, Machine for making. A. V. Coster. 1,461,414; July 10.
Brace: See—
Fender brace.
Bracelet. P. B. McKenzie. 1,461,250; July 10.
Bracelets, Link for expansible. G. J. Bauer and F. B. Carson. 1,461,203; July 10.
Bracket. J. T. Corley. 1,461,210; July 10.
Brake: See—
Automobile brake. Emergency brake.
Automotive brake. Railway brake.
Brake beams, Support for clasp. E. G. Busse. 1,461,516; July 10.
Brake lining dressing. W. B. Falor. 1,461,386; July 10.
Brakes, Regulating device for the flow of liquid in artillery. E. Rimailho. 1,461,403; July 10.
Braking attachment. J. L. Devon. 1,461,084; July 10.
Bricks, tiles, and other building materials, Machine for making. G. V. Picot. 1,461,159; July 10.
Brush. E. van N. Kriehn. Des. 62,634; July 10.
Brush. Lather. M. B. Behrman. 1,461,344; July 10.
Brushes, Receptacle for the storage and preservation of used paint. J. E. Hopkins. 1,461,618; July 10.
Buffing machine. E. N. Maul. 1,461,134; July 10.
Building construction. J. A. Pritchard. 1,461,452; July 10.
Building construction, Apparatus for. M. L. Lisowski. 1,461,426; July 10.
Bumper. L. F. Stafford. 1,461,564; July 10.
Burglar alarm. J. E. Bond. 1,461,206; July 10.
Burglar alarm. A. B. Simpson. 1,461,294; July 10.
Burner: See—
Fuel burner. Gas burner.
Bushings, Extractor. A. Raffay. 1,461,554; July 10.
Button, Cuff. C. A. Goddard. 1,461,524; July 10.
Cabinet construction. W. H. Friedline. 1,461,239; July 10.
Cabinets, Sliding moldboard for. H. A. Hall. 1,461,525; July 10.
Cable end and housing and assembling the same. G. W. Stout. 1,461,466; July 10.
Calculating machines, Tens-carrying device for. P. Reiss. 1,461,455; July 10.
Candy novelty. J. R. Pettit. 1,461,543; July 10.
Can: See—
Garbage can.
Can opener. H. E. Keeler. 1,461,151; July 10.
Can opener. L. D. Roberts. 1,461,162; July 10.
Cap, Adjustable. M. Lebow. 1,461,623; July 10.
Carburetor. K. A. Ackley. 1,461,470; July 10.
Carburetor. A. Aeberli and W. Dreyer. 1,461,104; July 10.
Carburetor-controlling device. F. Forney and R. H. Hoff. 1,461,521; July 10.
Car cager, Automatic mine-. F. F. Brasche. 1,461,513; July 10.
Car door. H. Rhoebecker. 1,461,678; July 10.
Car-door roller. C. McGowan, G. Peterson, and A. A. Lund. 1,461,535; July 10.
Car ends, Means for attaching steel. W. E. Van Dorn. 1,461,201; July 10.
Car, Hand. A. B. Woodson and W. Ferril. 1,461,593; July 10.
Car replacer. J. A. Veazey. 1,461,589; July 10.
Car signal device. E. H. Hand. 1,461,352; July 10.
Cars, Double-door construction for railway. G. G. Gilpin. 1,461,035; July 10.
Carding machines, Rubber apron for. T. H. and G. W. Hunter. 1,461,527; July 10.
Carline. C. D. Bonsall. 1,461,704; July 10.
Carriage, Convertible baby. C. O. Robinson. 1,461,458; July 10.
Carrier: See—
Luggage carrier. Tire carrier.
Carton. F. B. Davidson. 1,461,415; July 10.
Case: See—
Egg case.
Centrifugal separator. H. Feldmeier. 1,461,031; July 10.
Chain coupler, Auto. H. Campbell. 1,461,306; July 10.
Chairs and the like, Fitting for revolving. R. K. Dawson. 1,461,602; July 10.
Chart, decimal-equivalent. H. O. Olson. 1,461,138; July 10.
Check-protecting means. G. L. Walker. 1,461,055; July 10.
Cheese, Sterilizing. E. E. Eldredge. Re15,648; July 10.

- Cinematographic apparatus for the performance of musical films. C. Vische. 1,461,298; July 10.
- Cinematographic films, Machine for treating. G. A. Salins. 1,461,329; July 10.
- Circuit maker and breaker, Pedal-carried. C. F. Cole. 1,461,380; July 10.
- Circuit, Substation. H. Fletcher. 1,461,183; July 10.
- Clamp: *See*—
- Hose clamp.
- Cleaner: *See*—
- Air cleaner. Suction cleaner.
- Fuel cleaner. Windshield cleaner.
- Meat-block cleaner.
- Cleaning composition. D. E. Hakes and A. Laperou. 1,461,351; July 10.
- Cleaning device, Air-. C. R. Short and A. L. Cash. 1,461,630; July 10.
- Clothes wringer. C. E. Reddig. 1,461,226; July 10.
- Closure device. M. Hornstein. 1,461,242; July 10.
- Clutch, Friction. A. B. Browne. 1,461,573; July 10.
- Clutch-operating device. A. B. Thompson. 1,461,256; July 10.
- Coaster and chair, Combined. T. J. Stone. 1,461,406; July 10.
- Coating material, Method and apparatus for. P. Schwerin. 1,461,228; July 10.
- Coking liquefiable bituminous materials, Apparatus for. F. Puening. 1,461,324; July 10.
- Collar holder. E. I. Rogers, jr. 1,461,328; July 10.
- Color transparency. W. V. D. Kelley. 1,461,356; July 10.
- Concrete-block machine. R. S. Cohoon. 1,461,413; July 10.
- Concrete construction, Steel form for. H. E. White. 1,461,409; July 10.
- Concrete piles, Making. G. G. Powell. 1,461,451; July 10.
- Concrete wall. A. G. Reynolds. 1,461,369; July 10.
- Confectionery, Means for dipping and coating. F. R. Giddings. 1,461,115; July 10.
- Container top. C. S. Baron. 1,461,375; July 10.
- Control system. E. F. W. Alexanderson. 1,461,571; July 10.
- Control system. E. M. Bouton. 1,461,512; July 10.
- Conveyer, Portable. G. Hanson and C. A. Nelson. 1,461,707; July 10.
- Conveyer system. A. E. Bailey. 1,461,103; July 10.
- Cooking device. M. Ivancic. 1,461,092; July 10.
- Cooking machine, Doughnut-. H. Lisl. 1,461,488; July 10.
- Cooking utensil. H. V. Mulford and W. D. Felty. 1,461,366; July 10.
- Corn sheller. R. M. Mitchell. 1,461,283; July 10.
- Corn shellers, Screen for. R. E. Hanneman. 1,461,144; July 10.
- Cotton cleaning machine. E. H. Rooney. 1,461,562; July 10.
- Cotton tramper. W. D. Wilson and A. Cullander. 1,461,639; July 10.
- Cotton trammers, Gear lock for. T. S. Grimes. 1,461,579; July 10.
- Coupling: *See*—
- Pipe coupling. Trailer coupling.
- Swiveled coupling.
- Coupling head. W. L. Read. 1,461,225; July 10.
- Crusher roll. T. A. Hibbins. 1,461,036; July 10.
- Cultivator. G. G. Worstall. 1,461,508; July 10.
- Cultivator tools, Clamp for. W. L. Beall. 1,461,302; July 10.
- Cup: *See*—
- Grease cup.
- Current motor. H. R. Solinger and E. G. Messer. 1,461,502; July 10.
- Curtain and shade pole fixture. C. Schmidt. 1,461,255; July 10.
- Cuspider. M. G. Martin. 1,461,156; July 10.
- Cutting bur. F. A. Bartlett. 1,461,376; July 10.
- Cut-out, Automatic. J. S. Reynolds. 1,461,456; July 10.
- Damper control. L. O. Sudderberg. 1,461,231; July 10.
- Damping device, Vibration-. M. Tibbetts. Re15,645; July 10.
- Dental impression trays, Detachable holder for. J. S. Bridges. 1,461,209; July 10.
- Derrick, Hay. C. A. Chapman. 1,461,307; July 10.
- Diamonds, Apparatus for cutting. A. T. Hunt. 1,461,149; July 10.
- Diaphragm device. M. A. Fesler. 1,461,086; July 10.
- Dic: *See*—
- Macaroui die.
- Dipper tooth. M. G. Moore. 1,461,136; July 10.
- Direction indicator. O. C. Knigge. 1,461,664; July 10.
- Discharge-indicating device. O. H. Eschholz. 1,461,519; July 10.
- Fish. J. H. Venon. Des. 62,654-8; July 10.
- Disk wheel. G. D. Slaymaker. 1,461,229; July 10.
- Disk wheel. E. M. Torkelson and B. Meigs. 1,461,690; July 10.
- Dispatch holder. J. H. Doub. 1,461,382; July 10.
- Display box. A. K. Harned. 1,461,656; July 10.
- Display last. A. E. Goodwin. 1,461,652; July 10.
- Display stand. J. C. Hunter. Des. 62,633; July 10.
- Dishwasher. C. Breer. 1,461,473; July 10.
- Dolly jack. F. B. Gist and C. P. Martin. 1,461,481; July 10.
- Doorbell. J. A. Baginley. 1,461,019; July 10.
- Door construction. N. Paine. 1,461,196; July 10.
- Dough-rounding-up machine. F. H. Van Houten. 1,461,076; July 10.
- Draft-controlling device. J. Elick. 1,461,606; July 10.
- Drafting instrument. J. A. Kaminski. 1,461,530; July 10.
- Drawing instrument. G. J. Hood. 1,461,421; July 10.
- Drawing implement. K. D. Vosler. 1,461,335; July 10.
- Dredge. B. O. Godfrey. 1,461,240; July 10.
- Drier: *See*—
- Tray drier.
- Drill: *See*—
- Well drill.
- Drilling machines, Clamping mechanism for radial. J. E. Larsh. 1,461,666; July 10.
- Drilling tool. W. R. Howard. 1,461,037; July 10.
- Drying apparatus. J. F. Hughes. 1,461,148; July 10.
- Drying apparatus. J. W. Pearson. 1,461,224; July 10.
- Dust cloths and the like, Cleaning fluid for impregnating. F. A. Wright. 1,461,170; July 10.
- Dustpan. G. W. Lewis. 1,461,624; July 10.
- Dustproof and mothproof bag. G. Rottman. 1,461,049; July 10.
- Dyestuffs and making same, Indigoidic. H. Staudinger, H. Veraguth, and R. Tobler. 1,461,435; July 10.
- Dynamo driven by wheel axles. E. Dick. 1,461,181; July 10.
- Dynamo-electric machine. A. H. Neuland. 1,461,542; July 10.
- Egg case. H. G. Stuenkel. 1,461,587; July 10.
- Egg cases, Division plate for. J. C. Voorhorst. 1,461,235; July 10.
- Egg crate. N. Sandor. 1,461,099; July 10.
- Electric-circuit-control mechanism, Automatic. F. Bonk and A. W. Stewart. 1,461,207; July 10.
- Electric circuit, Light-controlled means for opening and closing an. F. J. Fransson. 1,461,523; July 10.
- Electric circuits, Governor for. E. J. Tomlinson. 1,461,103; July 10.
- Electric currents, System for generating and distributing. C. H. Tower. 1,461,234; July 10.
- Electric lights, Globe support for. J. W. French. 1,461,611; July 10.
- Electric switch. G. A. Burnham. 1,461,695; July 10.
- Electrical distributor. W. B. Stearns. 1,461,101; July 10.
- Electrical machines, Commutating system for. C. L. A. M. Leblanc. 1,461,446; July 10.
- Electrical testing instrument. J. F. Moody. 1,461,492; July 10.
- Electrical translating devices, Starter for. F. G. Keyes. 1,461,038; July 10.
- Elevator: *See*—
- Fruit elevator.
- Elevator. T. C. Craig. 1,461,601; July 10.
- Elevator door hanger. O. P. McGee. 1,461,249; July 10.
- Elevator feeder, Box-. F. Stebler. 1,461,465; July 10.
- Embroidery, Machine. E. O. Schuler. Des. 62,652; July 10.
- Emergency brake. J. W. Orr. 1,461,401; July 10.
- Emulsifying apparatus. G. Grindrod. 1,461,653; July 10.
- Engine: *See*—
- Gas engine. Logging engine.
- Internal - Combustion engine. Two-stroke engine.
- Engines, Cooling-liquid-pump mounting for internal-combustion. A. A. Bull. 1,461,711; July 10.
- Engines, Fuel-economizing device for internal-combustion. J. C. Henry. 1,461,659; July 10.
- Engines, Governing device for internal-combustion. E. Moore. Re15,650; July 10.
- Engines, Ignition device for internal-combustion. E. A. Gosnell. 1,461,088; July 10.
- Engines, Ignition regulator for internal-combustion. G. Wirrer. 1,461,339; July 10.
- Engines, Oilier for. W. A. Rarig. 1,461,325; July 10.
- Envelope. W. Szczerba. 1,461,635; July 10.
- Extractor: *See*—
- Bushing extractor.
- Fabric: *See*—
- Ornamental fabric.
- Fabric-stitching device. J. D. Lacroix. 1,461,125; July 10.
- Fabrics and making same, Composition for saturating. L. Kirschbraun. 1,461,445; July 10.
- Fender brace, Adjustable. F. L. Bronson. 1,461,304; July 10.
- Filament. R. D. Hall. 1,461,118; July 10.
- Filament support. S. Thronsen. 1,461,232; July 10.
- Filing device. A. A. Ainsworth. 1,461,570; July 10.
- Film-plates, Frame for the horizontal development of. P. Mathiotte. 1,461,321; July 10.
- Film reel, Safety. L. J. Doty. 1,461,029; July 10.
- Filter, Oil. R. S. Moore and L. B. Jones. 1,461,627; July 10.
- Fire kindler. J. Quist. 1,461,496; July 10.
- Fireplace. W. E. De Armond. 1,461,211; July 10.
- Fish reel, Level-wind. W. Sc'mid. 1,461,586; July 10.
- Fishing reel. W. C. Moll. 1,461,043; July 10.
- Fish-shipment tank. G. L. A. Friedrichs. 1,461,350; July 10.
- Fishing tackle. A. H. Lent. 1,461,246; July 10.
- Fish-type roller. H. E. Lubker. 1,461,361; July 10.
- Fixture, Universal. C. T. Male. 1,461,668; July 10.

- Flanging machine. H. McCabe. 1,461,041; July 10.
 Fluid-conduit coupling device. A. E. Falor. 1,461,385; July 10.
 Fluid control, Automatic. J. Brombacher. 1,461,262; July 10.
 Fluids, Condensing. C. E. Rogers. 1,461,164; July 10.
 Fluid motor. W. Knapp. 1,461,620; July 10.
 Floor-mop attachment. P. H. and J. S. Macy. 1,461,319; July 10.
 Flushing apparatus, Automatic. A. W. Robinson. 1,461,163; July 10.
 Flush tank. O. C. Papin. 1,416,673; July 10.
 Flying machines, Safety device for. S. D. Jacobson. 1,461,216; July 10.
 Fly-paper holder. O. J. Swanson. 1,461,689; July 10.
 Forging machine. F. A. Halleck. 1,461,655; July 10.
 Frame: *See*—
 Silo-door frame.
 Frames, Corner joint for. L. R. Centerbar. 1,461,440; July 10.
 Frog or crossing structure. C. A. Psilander. 1,461,701; July 10.
 Frozen dainties, Container for. F. E. Mayol. Des. 62,640; July 10.
 Fruit elevator. A. Z. Wells and J. M. Wade. 1,461,638; July 10.
 Fruit-sizing apparatus. F. Stebler and R. E. Davis. 1,461,702; July 10.
 Fuel burner, Gaseous. B. R. and J. A. Kloebe. 1,461,394; July 10.
 Fuel burner, Mechanical pressure atomizing. W. R. Purnell. 1,461,545; July 10.
 Fuel, Carbonaceous. W. E. Trent. 1,461,167; July 10.
 Fuel cleaner. R. E. Strobel. 1,461,687; July 10.
 Fuel saver. A. Edmond. 1,461,030; July 10.
 Funnel, Collapsible. W. J. Haessler. 1,461,654; July 10.
 Furnace: *See*—
 Stoker furnaces.
 Furnace, Humidifier for hot air. R. E. Kelm. 1,461,423; July 10.
 Furnaces, Water back for hot-air and other. J. Hopfenthaler and C. H. Fischer. 1,461,349; July 10.
 Game. R. N. Maxwell. 1,461,218; July 10.
 Game apparatus. J. A. Ernst, jr. 1,461,649; July 10.
 Game apparatus. C. Papouchis. 1,461,432; July 10.
 Game board, Card. J. H. Stansbury. 1,461,633; July 10.
 Games, Score-indicating device for. H. M. Mathieson. 1,461,449; July 10.
 Garage-door lock. C. C. Parke. 1,461,158; July 10.
 Garbage can. O. N. Owen. 1,461,253; July 10.
 Garbage incinerator. W. F. Born. 1,461,108; July 10.
 Garment. I. Roggen. 1,461,679; July 10.
 Garment hanger. L. Duberstein. 1,461,442; July 10.
 Gas apparatus. F. Belleville A. E. Belleville, and R. S. Henderson. 1,461,377; July 10.
 Gas burner. J. Kemmer. 1,461,663; July 10.
 Gas burner, Acetylene. W. J. Frisbie. 1,461,034; July 10.
 Gas engine. O. Nelson. 1,461,494; July 10.
 Gas heater. H. R. Humphrey. 1,461,191-2; July 10.
 Gas, Method and mechanism for testing. A. Clarke. 1,461,345; July 10.
 Gas retort, Continuous straw. G. H. Harrison. 1,461,614; July 10.
 Gases, Device for condensing. C. R. and M. C. Mabec. 1,461,364; July 10.
 Gate lock. E. H. Wayrynen. 1,461,591; July 10.
 Gauge: *See*—
 Pressure gauge.
 Gauging instrument, Circle. H. J. Adams. 1,461,569; July 10.
 Gear, Differential. J. H. Sternbergh. 1,461,102; July 10.
 Gearing, Skew helical crown. E. Stubbs and E. R. Fellows. 1,461,230; July 10.
 Gearing mechanism. C. Henderson. 1,461,484; July 10.
 Glass articles, Machine for the manufacture of. R. F. Hall. 1,461,271; July 10.
 Glass-drawing apparatus. C. Donaldson and C. Day. 1,461,603; July 10.
 Glassware, Apparatus for the manufacture of. P. Ebeling. 1,461,416; July 10.
 Golf bag. J. E. Schank. 1,461,459; July 10.
 Grain germ and scutellum, Treating. D. Chidlow. 1,461,703; July 10.
 Grate construction. S. N. Fleming. 1,461,443; July 10.
 Grease cup. W. P. Koepfer. 1,461,665; July 10.
 Grease cups, Caps for. W. H. Durant. 1,461,383; July 10.
 Grinding machine. J. A. Burns. 1,461,514; July 10.
 Grinding machines, Abrasive-wheel chuck for. F. E. Gardner. 1,461,184; July 10.
 Gun barrels, Method of and means for forming. C. C. Loomis. 1,461,129; July 10.
 Gun, Recoll. H. Romberg. 1,461,561; July 10.
 Hair clipper. W. H. Redman. 1,461,326; July 10.
 Hair curler. O. D. McClintock. 1,461,533; July 10.
 Ham boiler. H. Adelman. 1,461,509; July 10.
 Hammer, Power. R. C. Schroth, jr., and C. A. Herman. 1,461,460; July 10.
 Handle: *See*—
 Bottle handle.
 Hanger: *See*—
 Elevator-door hanger. Shaft hanger.
 Garment hanger.
- Harrow, Cultivator. O. V. Vanicek. 1,461,053; July 10.
 Headlight. T. W. Post. 1,461,544; July 10.
 Headlight, Dirigible. P. N. Andresen and P. J. Jeffway. 1,461,341; July 10.
 Headlight mechanism. S. E. Douglass. 1,461,604; July 10.
 Headwear, Novelty. P. M. Hennegan. 1,461,189; July 10.
 Heater: *See*—
 Gas heater. Orchard heater.
 Heating system. B. Mills, R. R. Row, and H. C. Davis. 1,461,541; July 10.
 Hcol-building machine. A. S. Everett. 1,461,384; July 10.
 Hcol-seat lasting and nailing machine. E. L. Keyes. 1,461,153; July 10.
 Hinge. E. B. Bicker. 1,461,175; July 10.
 Hoist. W. E. Simpson. 1,461,052; July 10.
 Hoisting machine. L. Falzer and E. M. Webber. 1,461,650; July 10.
 Horseshoe. C. Soltész. 1,461,333; July 10.
 Horseshoeing device. J. P. Turner. 1,461,297; July 10.
 Hose and fitting, Assembling. M. Loughhead. 1,461,130; July 10.
 Hose clamp. L. M. Quémard. 1,461,290; July 10.
 Hub-bearing construction. F. A. Nauts. 1,461,223; July 10.
 Hub, Cushioned. C. E. Soper. 1,461,166; July 10.
 Ice-cream cones, Machine for making. F. H. Miller. 1,461,709; July 10.
 Ice pick. H. E. Keeler. 1,461,152; July 10.
 Implements, Controlling device for drawn. V. Pellissier. 1,461,198; July 10.
 Index, Card. S. E. Trout. 1,461,407; July 10.
 Index, Timing. V. W. Pagé. 1,461,671; July 10.
 Indicating device. M. H. Damerell. 1,461,083; July 10.
 Indicator: *See*—
 Direction indicator.
 Insect catcher. W. C. Wilson. 1,461,169; July 10.
 Instruments, Damping device for. F. F. Dorsey. 1,461,381; July 10.
 Internal-combustion engine, Two-cycle. C. Berger. 1,461,080; July 10.
 Internal-combustion engine. J. W. Hall. 1,461,089; July 10.
 Internal-combustion engine. F. N. Kawamura. 1,461,662; July 10.
 Internal-combustion engine. A. L. Powell. 1,461,495.
 Jack: *See*—
 Dolly jack. Rail jack.
 Jacks, Attachment for. S. A. Irwin. 1,461,355; July 10.
 Knitting machine, Circular rib. T. C. Bromley and W. Cavers. 1,461,693; July 10.
 Knitting machines, Stop motion for. W. T. Barratt. 1,461,172; July 10.
 Label, Stationery. M. R. Scanlan. 1,461,585; July 10.
 Lace. T. H. Smedley. Des. 62,653; July 10.
 Lamp, Acetylene. J. M. Brock. 1,461,572; July 10.
 Lamp clip and stay, Miner's. N. Farley. 1,461,607; July 10.
 Lamp, Electric gas. A. Lederer. No. 1,461,359-60; July 10.
 Lamp, Night. E. L. Trenteseau. 1,461,233; July 10.
 Lamp post, Yielding self-arighting safety. F. W. Griswold. 1,461,116; July 10.
 Lamps and making the same, Fluimentary body for electric. R. D. Hall and H. H. Smith. 1,461,117; July 10.
 Lamps, Method of and apparatus for manufacturing incandescent. H. D. Madden and J. J. Higgins. 1,461,155; July 10.
 Lamps, Treating filaments for incandescent electric. J. H. Ramace. 1,461,140; July 10.
 Lamps, Treating filaments for incandescent electric. H. H. Smith. 1,461,100; July 10.
 Landing device. H. C. F. Holz. 1,461,660; July 10.
 Lantern, Electric. T. Mee, jr. 1,461,540; July 10.
 Lanterns, Focusing finder for. C. O. Harrington. 1,461,418; July 10.
 Lanterns, Maintaining a source of light in a desired position in. C. O. Harrington. 1,461,187; July 10.
 Last. C. M. Searl. 1,461,051; July 10.
 Lasts, Cushioned toe reinforce for. R. C. Webster. 1,461,469; July 10.
 Latch parts, Protecting device for. L. Ottinger. 1,461,044; July 10.
 Laundry trays, Soap-dish attachment for. E. R. Buhtz. 1,461,263; July 10.
 Lens grinder. A. Pellow. 1,461,094; July 10.
 Lens holder. A. A. Arnold. 1,461,078; July 10.
 Lens-marking device. E. D. Tillyer and J. F. Wixted. 1,461,074; July 10.
 Lever, Gear-shift. P. F. Rice. 1,461,457; July 10.
 Lifting device. J. Burkley. 1,461,694; July 10.
 Lifting jack for motor vehicles. A. L. Holton. 1,461,353; July 10.
 Light and firearm, Combined. S. P. Cottrell. 1,461,600; July 10.
 Lighting fixture. R. C. Pfeager. Des. 62,642-5; July 10.
 Lighting-fixture arm. N. Lipsky. Des. 62,639; July 10.
 Lighting-fixture arm. M. F. Rosacker. Des. 62,646; July 10.
 Lighting-fixture band. N. Lipsky. Des. 62,637; July 10.
 Lighting-fixture body. N. Lipsky. Des. 62,638; July 10.
 Lighting-fixture pan. N. Lipsky. Des. 62,635; July 10.

- Lighting-fixture part. P. I. Ansoerge. Des. 62,630; July 10.
 Lighting-fixture plate. H. T. Howell. Des. 62,632; July 10.
 Lighting system, Steam-locomotive. A. McGary. 1,461,534; July 10.
 Line control, Adjusting mechanism adapted for. L. Holland-Letz. 1,461,420; July 10.
 Line switch. J. N. Reynolds. Re15,644; July 10.
 Lip-stick container. L. Root. 1,461,680; July 10.
 Liquid containers, Discharge spout for. S. Frey. 1,461,269; July 10.
 Liquid measuring and dispensing apparatus. E. A. Rix. 1,461,292; July 10.
 Liquids, Process and apparatus for evaporating. E. Wirth-Frey. 1,461,640; July 10.
 Lock: See—
 Garage-door lock. Valve-spring-lifter lock.
 Gate lock. Window lock.
 Lock. E. E. Longfellow. 1,461,279; July 10.
 Lock. A. Yurow. 1,461,692; July 10.
 Locking device. J. L. Ocheltree, jr. 1,461,400; July 10.
 Locomotive-smoke-box front. A. T. Kuehner. 1,461,315; July 10.
 Locomotive, Turbine-driven. F. Ljungström. 1,461,278; July 10.
 Logging engine. O. A. Wirkkala. 1,461,338; July 10.
 Lookout or doorpeep. F. Laibach. 1,461,487; July 10.
 Looms, Reed for. P. A. Wagner. 1,461,547; July 10.
 Loose-leaf connection. F. L. Martin. 1,461,669; July 10.
 Luggage carrier. J. W. Whiteside. 1,461,373; July 10.
 Lumber, Apparatus for drying. R. F. Jenkinson. 1,461,393; July 10.
 Macaroni die. G. Tanzi. 1,461,504; July 10.
 Magnesite refractory. W. W. Greenwood. 1,461,444; July 10.
 Magneto ignition device. J. K. Leibing. 1,461,128; July 10.
 Match boxes, Machine for making. M. Paridon. 1,461,433-4; July 10.
 Match box. J. A. Hey. 1,461,146; July 10.
 Match machines, Composition-applying device for book. W. H. Shoffer. 1,461,461; July 10.
 Measuring and dispensing vessel, Liquid. J. M. Kishpaugh. 1,461,486; July 10.
 Measuring and indicating mechanism, Fluid. A. Stuber. Re15,651; July 10.
 Measuring machine, Liquid-. W. W. Leinert. 1,461,424; July 10.
 Meat-block cleaner. S. Hermanowich. 1,461,615; July 10.
 Medal, Athlete's. C. J. Velte. 1,461,565; July 10.
 Medicinal device. S. Glickson. 1,461,185; July 10.
 Mesh bag. H. B. Rowan. Des. 62,647; July 10.
 Metal wheel. R. J. Burrows. 1,461,515; July 10.
 Metal-working tool. C. A. West. 1,461,548; July 10.
 Microscopes, Condenser or illuminator for. H. N. and H. G. Ott. 1,461,367; July 10.
 Milling machine. H. C. Rose and A. Oberhoffken. 1,461,098; July 10.
 Milling machine, Circular-. H. C. Rose and A. Oberhoffken. 1,461,097; July 10.
 Milling machines, Indexing plate for. E. R. La Casse. 1,461,316; July 10.
 Mirror support. F. H. Mason. 1,461,626; July 10.
 Mixing and beating machine. H. Trust and F. M. Ashley. 1,461,468; July 10.
 Molding apparatus and process, Ware-. V. E. Schmeideknecht. 1,461,563; July 10.
 Molding machine. H. E. Henricks. 1,461,145; July 10.
 Molds, Machine for delivering cores to. H. A. Myers. 1,461,222; July 10.
 Motor: See—
 Current motor. Fluid motor.
 Motors, Automatic controller for. J. C. and F. L. De Laney. 1,461,268; July 10.
 Mower, Lawn. J. W. Peters. 1,461,323; July 10.
 Mowers, Cutter bar for lawn. E. C. Lane. 1,461,532; July 10.
 Musical instruments, Bow for. C. D. Rigg. 1,461,096; July 10.
 Musical instruments, Means for instruction with respect to. J. C. Hagey and T. E. Kavanaugh. 1,461,241; July 10.
 Nail-pulling machine. W. Ellis. 1,461,712; July 10.
 Necklaces, Catch for. H. C. Schick. Des. 62,648-51; July 10.
 Necktie holder. C. Vacek. 1,461,506; July 10.
 Nest, Poultry. J. L. Boisvert. 1,461,303; July 10.
 Net-pulling machine. W. F. Depew. 1,461,141; July 10.
 Nut grader. W. P. Bullard. 1,461,264-5; July 10.
 Nut-shelling machine. J. H. Aldrich. 1,461,410; July 10.
 Nut tapping machine. R. F. Barnes. 1,461,171; July 10.
 Oxygen and hydrogen, Electrolyzing apparatus for the manufacture of. G. F. Jaubert. 1,461,661; July 10.
 Oil cap. F. Arrigoni. 1,461,436; July 10.
 Oiler, Spring. W. E. Leech, jr. 1,461,244-5; July 10.
 Ophthalmic mounting. C. O. Cozzens. 1,461,082; July 10.
 Ophthalmic mounting. E. L. Schumacher. 1,461,071; July 10.
 Ophthalmic mounting. H. H. Styhl. 1,461,073; July 10.
 Orchard heater. G. Lingenfelter. 1,461,247; July 10.
 Ore and like materials, Treating. W. E. Trent. 1,461,372; July 10.
 Ore separator. A. E. Bookwalter. 1,461,647; July 10.
 Ornamental fabric. C. Jenkins. 1,461,581; July 10.
 Oven. C. McBridge. 1,461,280; July 10.
 Overload device. C. H. Rippl. 1,461,370; July 10.
 Ozonizer. M. W. Willson. 1,461,238; July 10.
 Package-tying device. L. R. Sangston. 1,461,584; July 10.
 Paper-cup-dispensing device. J. Schoepe. 1,461,332; July 10.
 Packer, Tobacco. O. R. Matson. 1,461,491; July 10.
 Paper-cutting machine. E. R. Linebaugh. 1,461,425; July 10.
 Paper, Wall. W. A. Lorenz. 1,461,397; July 10.
 Paping device, Wall-. S. Pytlak. 1,461,453; July 10.
 Paving blocks, Spacer for. W. P. Whitney. 1,461,060; July 10.
 Pencil. O. C. Billman. 1,461,437; July 10.
 Phonograph. W. M. Venable. 1,461,334; July 10.
 Phonographs, Automatic stop for. G. L. Schuetz. 1,461,050; July 10.
 Pictures, Producing visual depth in projected. T. H. Marten. 1,461,131-2; July 10.
 Pipe: See—
 Tobacco pipe.
 Pipe and nut wrench, Combined. G. Forton. 1,461,522; July 10.
 Pipe coupling. H. W. Hahn. 1,461,482; July 10.
 Pipe-thread protector. H. W. Avery. 1,461,595; July 10.
 Pipes, Adjustable head for. C. M. Buller. 1,461,438; July 10.
 Pipes, Strainer and stopper for. M. Lebleson. 1,461,317; July 10.
 Pistol and other small arm, Automatic. J. W. Fearn. 1,461,387; July 10.
 Planting machine, Potato-. H. S. Larsen. 1,461,396; July 10.
 Plate-feeding mechanism. C. A. Kloman. 1,461,358; July 10.
 Platforms, Device for driving the bands of rolling. L. D. A. Casalonga and G. Miot. 1,461,476; July 10.
 Plating half-rotary feed guide. N. H. Seymour. 1,461,684; July 10.
 Plows, Subsoiler attachment for. F. M. Dyke. 1,461,113; July 10.
 Pocket for wearing apparel. C. R. Wood. Re15,646; July 10.
 Pocket, Rule. C. R. Wood. Re15,647; July 10.
 Poles, Restoring. F. W. Patterson. 1,461,046; July 10.
 Polishing machine. F. A. Marcello. 1,461,708; July 10.
 Power transmission. J. Reece. 1,461,557; July 10.
 Power-transmission apparatus. J. Reece. 1,461,558; July 10.
 Power-transmission apparatus. J. and F. A. Reece. 1,461,559; July 10.
 Press: See—
 Baling press. Salt press.
 Press and using same, Straightening. J. H. Staley. 1,461,463; July 10.
 Pressure gauge. K. R. Strandell. 1,461,200; July 10.
 Printers' galleys, Correction of type in. T. Burden. 1,461,081; July 10.
 Printing machine, Rotary. J. M. Almedia. 1,461,594; July 10.
 Printing roller. A. Johnson. 1,461,123; July 10.
 Printing roller. T. Regensteiner. 1,461,068; July 10.
 Projection device. T. H. Marten. 1,461,133; July 10.
 Propeller. E. Voge. 1,461,054; July 10.
 Puller: See—
 Wheel puller.
 Pump-pressure-regulating device. Air. H. Brewer. 1,461,379; July 10.
 Pump, Vacuum. W. G. Houskeeper. 1,461,190; July 10.
 Pumping system. H. E. La Bour. 1,461,622; July 10.
 Punch, Center. A. Forsyth. 1,461,032; July 10.
 Purifying and packaging ether. E. Mallinckrodt, jr. 1,461,539; July 10.
 Pyroxilin, celluloid, and like materials, Shaping. C. E. Wehn. 1,461,299; July 10.
 Rack: See—
 Towel rack.
 Rack. P. T. Regan. 1,461,676; July 10.
 Radiator cap. G. E. Force. 1,461,706; July 10.
 Radiator, Transformer. W. M. Dann. 1,461,518; July 10.
 Radioactive spray material. R. R. Adams. 1,461,340; July 10.
 Radius leaf. G. C. Robbins. 1,461,497; July 10.
 Rail anchor. R. A. Blair. 1,461,258-61; July 10.
 Rail bond. T. Haulton. 1,461,061; July 10.
 Rail jack. F. Hachmann. 1,461,186; July 10.
 Railway brake. O. Royster. 1,461,254; July 10.
 Railway-crossing signal. J. B. De Luca. 1,461,180; July 10.
 Railway mine tie and rail fastener. T. Richards, sr. 1,461,069; July 10.
 Railway tie. C. J. Cooper. 1,461,477; July 10.
 Razor, Safety. J. A. D. Watt. 1,461,168; July 10.
 Razors, Safety guard for. A. McNulty. 1,461,490; July 10.
 Reading guide, paper cutter, and bookmark, Combined. O. J. Kraemer. 1,461,395; July 10.
 Receptacle. I. Levy. 1,461,697; July 10.

- Record system, Curve. W. C. Brinton. 1,461,710; July 10.
- Reel: *See—*
- Film reel. Fishing reel.
- Reel. Fish reel.
- Reflector, Nonglare. J. N. Lyles. 1,461,362; July 10.
- Reflectors, Producing. M. Wiskott. 1,461,301; July 10.
- Regulator: *See—*
- Windmill regulator.
- Rheostat and the like. E. R. Stockle. 1,461,634; July 10.
- Rheostat with auxiliary contact system. D. H. Sheriff, jr. 1,461,072; July 10.
- Rim, Demountable. J. K. Wilkens. 1,461,592; July 10.
- Rim tool, Split-. A. L. Levy. 1,461,194; July 10.
- Ring traveler. P. C. Wentworth. 1,461,059; July 10.
- Rods, Device for truing connecting. W. C. Coryell. 1,461,309; July 10.
- Roller: *See—*
- Car-door roller. Printing roller.
- Roof plate form. L. Engeset. 1,461,182; July 10.
- Rope hitch. A. L. Shaner. 1,461,498; July 10.
- Rubber, Reclaiming vulcanized. W. B. Pratt. 1,461,675; July 10.
- Rule, Slide. C. N. Reynolds, jr. 1,461,677; July 10.
- Saddle. C. B. Mills. 1,461,282; July 10.
- Salt press, Hydraulic. G. Kershner. 1,461,093; July 10.
- Sand and gravel, Apparatus for treating. R. W. Moser. 1,461,067; July 10.
- Sash raising and lowering device. N. C. Leidgen. 1,461,277; July 10.
- Saw, Drag. F. Fox. 1,461,388; July 10.
- Saw, Ice. J. C. Dietrich. 1,461,479; July 10.
- Screen: *See—*
- Window screen.
- Searchlight mounting, Quick-detachable. J. K. Olsen. 1,461,285; July 10.
- Separator: *See—*
- Air separator. Ore separator.
- Centrifugal separator.
- Sewing machine. J. Kiewicz. 1,461,619; July 10.
- Sewing machine. M. McCann. 1,461,428; July 10.
- Sewing-machine driving mechanism. L. Welker, jr. 1,461,058; July 10.
- Sewing machine, Buttonhole-. A. E. Lindner. 1,461,040; July 10.
- Sewing machines, Snap-fastener clamp for. M. McCann. 1,461,427; July 10.
- Shade container, Window-. G. W. Grigg. 1,461,390; July 10.
- Shade-roller fixture. P. A. Perse, jr. 1,461,583; July 10.
- Shaft hanger. I. F. Webb. 1,461,236; July 10.
- Shafts and other mechanical rotary members, Means for indicating error in direction of rotation of. J. McKechnie and W. F. Rabbidge. 1,461,448; July 10.
- Sheet-metal building. A. McKenzie. 1,461,538; July 10.
- Sheet-metal plates, Apparatus for separating rolled. J. A. Hellstrom. 1,461,580; July 10.
- Sheller: *See—*
- Corn sheller.
- Ship propulsion, Electric. A. H. Mittag. 1,461,553; July 10.
- Ship-propulsion system. F. H. Clough. 1,461,575-6; July 10.
- Ship-propulsion system. C. Macmillan. 1,461,551; July 10.
- Ship-propulsion system. A. H. Mittag. 1,461,552; July 10.
- Ships' plates, Fastening means for. W. Meyer. 1,461,195; July 10.
- Shock absorber. A. E. Guertin. 1,461,391; July 10.
- Shoe dressing. S. Cassisa. 1,461,696; July 10.
- Shoe bottoms, Machine for operating on. E. Erickson. 1,461,085.
- Shoe-shining device. F. W. Dusche. 1,461,310; July 10.
- Shoemaker's repair form. R. Castrogiovanni. 1,461,517; July 10.
- Sifter, Flour. H. V. Wheeler. 1,461,567; July 10.
- Sign, Advertising. J. L. Ray. 1,461,047; July 10.
- Signal: *See—*
- Automobile signal. Track signal.
- Railway-crossing signal.
- Signal. J. H. Hunt. 1,461,215; July 10.
- Signaling apparatus. R. C. Pessell. 1,461,402; July 10.
- Signaling apparatus. W. L. Walker. 1,461,056; July 10.
- Signaling system. J. H. Bell. 1,461,204; July 10.
- Silo-door frame. C. M. B. Boos. 1,461,208; July 10.
- Silo ladder. F. M. Reinhart. 1,461,291; July 10.
- Singletree. J. W. Montgomery. 1,461,430; July 10.
- Slicing machines, Sharpener for. R. W. Bachman. 1,461,105; July 10.
- Slide attachment cut-off. H. E. Stalter. 1,461,464; July 10.
- Slitting means. J. A. Cameron and G. B. Birch. 1,461,266; July 10.
- Smoke screens, Material for producing. H. F. French and R. C. Benner. 1,461,646; July 10.
- Sound box. A. Z. Coats. 1,461,597; July 10.
- Sound reproducers, Needle chuck for. J. W. Booth. 1,461,176; July 10.
- Spark arrester. S. E. Douglass. 1,461,605; July 10.
- Spark plug. J. Marks. 1,461,320; July 10.
- Spark plug. A. Schmidt. 1,461,629; July 10.
- Spark plug. J. S. Solomon. 1,461,405; July 10.
- Spark plug. G. Winchester and F. A. Howard. 1,461,300; July 10.
- Spark timer. G. L. Herz. 1,461,526; July 10.
- Speed transmission, Variable. J. Reece. 1,461,556; July 10.
- Speedometer, Magnetic. J. Patrick. 1,461,628; July 10.
- Speedometers, Transmission drive for. W. H. Schulze. 1,461,293; July 10.
- Spool head. V. Gero. 1,461,480; July 10.
- Spooling machine. L. Berzon. 1,461,205; July 10.
- Spraying liquids by compressed air, Apparatus for. R. Robertson. 1,461,546; July 10.
- Spring: *See—*
- Automobile spring.
- Spring mounting. V. W. Pagé. 1,461,672; July 10.
- Spring-repairing device. J. E. Stevens. 1,461,295; July 10.
- Spring wheel. G. W. Watts. 1,461,408; July 10.
- Staple-driving machinery. J. Muth. 1,461,137; July 10.
- Steam-ejector apparatus. M. Leblanc. 1,461,447; July 10.
- Stoker furnace. H. A. Poppenhusen. 1,461,450; July 10.
- Storage and delivery apparatus, Trapdoor for. L. Charlier. 1,461,411; July 10.
- Store, Self-serving. L. N. Anderson. 1,461,374; July 10.
- Stove. S. P. Massey. 1,461,065; July 10.
- Stove, Hot-blast. F. E. Kling. 1,461,357; July 10.
- Stringed instruments, Attachment for. E. S. Tanquary. 1,461,636; July 10.
- Stringed instruments, Pick for. P. M. Rudesyle. 1,461,070; July 10.
- Submarine signaling. C. R. Moore. 1,461,220; July 10.
- Suction cleaner. A. C. Bennett. 1,461,173; July 10.
- Sugar-cane mills, Maceration distributor for. W. G. Hall. 1,461,272; July 10.
- Superheater. G. P. Dravo. 1,461,213; July 10.
- Superphosphate, Making. H. A. Webster. 1,461,077; July 10.
- Surgical appliance, brace, and socket for arms and legs. R. W. Reed. 1,461,161; July 10.
- Swimming-pool construction. J. F. Booraem. 1,461,026; July 10.
- Switch: *See—*
- Automatic switch. Telephone-exchange line switch.
- Electric switch.
- Swiveled coupling. A. S. Frieze. 1,461,033; July 10.
- Tack-pulling device. F. H. Warren. 1,461,057; July 10.
- Tacks, Device for inserting map. W. P. Mills. 1,461,670; July 10.
- Talking machine, Automatic. L. G. Daniels. 1,461,111; July 10.
- Talking-machine records, Holder or cabinet for carrying. H. Weide. 1,461,336; July 10.
- Tank: *See—*
- Fish-shipment tank. Flush tank.
- Tank and feed-line lock, Gasoline. N. P. Whittier. 1,461,507; July 10.
- Tank heaters, Draft-controlling means for. G. W. Mundie. 1,461,157; July 10.
- Teeter board. M. Smerechanski. 1,461,631; July 10.
- Teeth, Artificial. J. Brookes and A. E. Tolley. 1,461,305; July 10.
- Telegraphic receiving instrument. C. Adams-Randall. 1,461,568; July 10.
- Telegraph system, Automatic. G. R. Benjamin. 1,461,645; July 10.
- Telephone-exchange line switch. H. F. Dobbin. 1,461,212; July 10.
- Telephone-exchange system. L. A. Mortimer. 1,461,221; July 10.
- Telescope. M. Lichtman. 1,461,063; July 10.
- Tension condenser, High-. E. Pfiffner. 1,461,287; July 10.
- Theater seats, Indicator for vacant. W. L. Guerin. 1,461,143; July 10.
- Thrashers, Separating mechanism for. E. W. Jones. 1,461,314; July 10.
- Thread, Machine for treating skeins of. M. Santaló. 1,461,330; July 10.
- Thread-pasting apparatus, Mechanical. F. A. Martens. 1,461,281; July 10.
- Threads and the like, Machine for generating and cutting. E. W. Miller. 1,461,219; July 10.
- Ticket changer, Adjustable metal. E. Becker and E. Aber. 1,461,022; July 10.
- Ticket, Marking. A. K. Marsh. 1,461,625; July 10.
- Tie: *See—*
- Railway tie.
- Tire carrier. E. D. Stinson. 1,461,503; July 10.
- Tire cover for automobiles, Spare-. W. G. Bate. 1,461,021; July 10.
- Tire, Rubber. C. H. Wheeler. Des. 62,659; July 10.
- Tire, Single-tube pneumatic. W. H. Kern. 1,461,485; July 10.
- Tire structures, Making cushion-. F. R. Klaus and F. H. Meyer. 1,461,531; July 10.
- Tires and casings, Punctureproof reliner for pneumatic. D. L. Lazerick. 1,461,217; July 10.
- Tires, Demountable rim for. L. B. Hancock. 1,461,311; July 10.
- Tire tool. W. W. Hileman. 1,461,616; July 10.
- Tobacco-leaf-book drum. G. H. Jackson. 1,461,122; July 10.

- Tobacco-leaf-booking machine. G. H. Jackson. 1,461,150; July 10.
- Tobacco-leaf machine. G. H. Jackson. 1,461,529; July 10.
- Tobacco, Pipe. F. E. Lasure. 1,461,126-7; July 10.
- Toilet. J. F. Geibel. 1,461,612; July 10.
- Toilet fixtures, Device for flushing. D. Newton. 1,461,284; July 10.
- Toilet kit. H. Slaiger. 1,461,501; July 10.
- Tool. F. Garrison. 1,461,270; July 10.
- Tool. R. W. Stone. 1,461,686; July 10.
- Tool, Combination. O. Ingstead. 1,461,392; July 10.
- Tool, Counterboring. J. H. Smith and G. J. Kengel. 1,461,462; July 10.
- Tool holder. T. C. Foley. 1,461,608; July 10.
- Torch. I. M. Hayward. 1,461,658; July 10.
- Towel rack. W. Kahl. 1,461,124; July 10.
- Towing mechanism, Vehicle. S. E. Lawrence. Re15,649; July 10.
- Toy. G. W. Cable. 1,461,109; July 10.
- Toy. C. C. Miller. 1,461,066; July 10.
- Toy, Figure. T. W. and W. J. Crenshaw. 1,461,179; July 10.
- Toy gun. J. C. Harris. 1,461,119; July 10.
- Toy gun. A. B. Thompson. 1,461,257; July 10.
- Toy, Gyroscopic. H. Hébrard. 1,461,313; July 10.
- Toy, Hobbyhorse. L. D. Barr. 1,461,020; July 10.
- Toy, Pneumatic. H. Larsen. 1,461,193; July 10.
- Toy, Wheeled. R. P. Fox. 1,461,651; July 10.
- Tractor. C. S. Allen. 1,461,642; July 10.
- Tractor. J. W. Brockson. 1,461,027; July 10.
- Tractor, Farm. L. Blackmore. 1,461,716; July 10.
- Track signal. L. S. Snell. 1,461,165; July 10.
- Tractor. W. N. Springer. 1,461,714; July 10.
- Tractors, Extension frame for Fordson. W. J. Wylie and C. W. Cooper. 1,461,598; July 10.
- Trailer, Camping. M. Caplan. 1,461,574; July 10.
- Trailer coupling. C. G. Clement. 1,461,412; July 10.
- Train-pipe couplings, Machine for removing and replacing metal parts of. W. D. Faidley, jr., J. W. Morris, and S. A. Patterson. 1,461,578; July 10.
- Transmission band. A. P. Pfeffer. 1,461,286; July 10.
- Transmission circuits, Multiplex. D. K. Martin. 1,461,064; July 10.
- Trap. *See—*
Animal trap.
- Tray, Dish-holding. C. Breer. 1,461,474; July 10.
- Tray drier. W. M. Schwartz. 1,461,682; July 10.
- Trees and the like, Means for preventing frost on. J. S. Cox. 1,461,110; July 10.
- Trolley. J. F. Reilly. 1,461,454; July 10.
- Truck, Elevating. A. Sonander. 1,461,371; July 10.
- Truck, Lifting. W. Stuebing, jr. 1,461,688; July 10.
- Trucks, trailers, and the like, Stake-holding device for. M. T. Barrier. 1,461,107; July 10.
- Tube closure, Collapsible. G. E. Force. 1,461,609; July 10.
- Tube manufacture, Vacuum. P. Schwerin. 1,461,227; July 10.
- Tubular bodies, Making. P. A. E. Armstrong. 1,461,018; July 10.
- Tuning dial, Vernier. R. H. Moore. 1,461,493; July 10.
- Turbine. L. De Santis. 1,461,699; July 10.
- Turbine, Water. T. J. Jolly and W. F. Fitzpatrick. 1,461,422; July 10.
- Two-stroke engine. R. H. Dickinson. 1,461,348; July 10.
- Typewriters, Manifold attachment for. M. L. Cossitt. 1,461,599; July 10.
- Typewriting and like machines, Carriage pull band for. H. E. Cook. 1,461,347; July 10.
- Typewriting machine. J. H. Barr. 1,461,510-11; July 10.
- Typewriting machine. J. B. Holden. 1,461,419; July 10.
- Typewriting machine. P. L. Schmidt. 1,461,331; July 10.
- Utensil holder. Frank R. McGee. 1,461,363; July 10.
- Valve. F. B. Hayes. 1,461,188; July 10.
- Valve, Automatic. P. Roth. 1,461,404; July 10.
- Valve, Check. W. W. Burgin. 1,461,439; July 10.
- Valve for automatic water heaters. C. D. Bedwin. 1,461,644; July 10.
- Valve for internal-combustion engines, Oscillating. R. A. Brady. 1,461,472; July 10.
- Valve grinder. J. M. Coburn and J. M. McCrary. 1,461,267; July 10.
- Valve or cock. W. A. Forman. 1,461,520; July 10.
- Valve, Radiator. C. V. Haynes. 1,461,657; July 10.
- Valve, Reducing. J. W. McConnell. 1,461,248; July 10.
- Valve, Rotary. S. J. Tritt, jr. 1,461,296; July 10.
- Valve seat for ball cocks, Removable. F. D. Leslie. 1,461,039; July 10.
- Valve-spring-lifter lock. H. W. Kulp and M. C. Dellinger. 1,461,275; July 10.
- Valve tappet for internal-combustion engine. G. R. Rich. 1,461,560; July 10.
- Vaporizing device. F. Howard. 1,461,243; July 10.
- Vegetable slicer. R. A. Porter. 1,461,160; July 10.
- Vehicle, Endless-track. L. K. Davis. 1,461,028; July 10.
- Vehicle, Motor. J. W. White, jr. 1,461,715; July 10.
- Vehicle shock absorber. G. Henley. 1,461,091; July 10.
- Vehicle wheel, Resilient. T. S. Hallett. 1,461,483; July 10.
- Vehicles, Automatic transmission release for motor. J. A. Hill. 1,461,121; July 10.
- Vehicles, Clutch device for motor. M. J. B. Barbarou. 1,461,343; July 10.
- Vehicles, Eyeshield attachment for motor. J. W. Primrose. 1,461,289; July 10.
- Vehicles, Protective ventilating screen for. B. A. Daniels. 1,461,478; July 10.
- Vehicles, Signal for. L. H. Ekeberg. 1,461,114; July 10.
- Vehicles, Signal and guide light for motor. A. Parlow. 1,461,197; July 10.
- Vending machine. W. H. Gilbert. 1,461,613; July 10.
- Vending machine, Coin-controlled. H. Giles. 1,461,417; July 10.
- Vessels, Method of and means for propelling and controlling. T. G. Tulloch. 1,461,691; July 10.
- Wall board. H. F. Weiss. 1,461,337; July 10.
- Wall construction. C. O. Walper. 1,461,590; July 10.
- Washing machine. T. Inaki. 1,461,354; July 10.
- Washing machine. H. F. Snyder. 1,461,632; July 10.
- Washing machines, Multiple-tub. I. D. Lengel. 1,461,318; July 10.
- Water c-o-sets, Sanitary apparatus for. F. Paul. 1,461,139; July 10.
- Water or other liquid by compressed air, Method and means for raising. R. C. Dickson. 1,461,112; July 10.
- Waterproofed receptacles, Methods of and apparatus for producing. W. E. Benson. 1,461,024; July 10.
- Weaner, Calif. E. W. Nedved. 1,461,582; July 10.
- Weather strip. A. B. Beitman. 1,461,079; July 10.
- Welding, Operator's outfit for electric. E. Woltmann. Re15,652; July 10.
- Well bailer, Oil. C. W. Morris. 1,461,365; July 10.
- Well drill. F. L. Gilman and J. R. Wilson. 1,461,713; July 10.
- Well-drilling tool. H. B. McGowan. 1,461,154; July 10.
- Welt-beating machine. F. N. La Chapelle. 1,461,062; July 10.
- Wheel. *See—*
Disk wheel. Vehicle wheel.
Metal wheel. Windmill wheel.
Spring wheel.
- Wheel. R. G. Bruner. 1,461,475; July 10.
- Wheel puller. F. W. Hayward. 1,461,312; July 10.
- Wheels, Resilient rim for automobile. F. Thornton. 1,461,505; July 10.
- Winch and support therefor, Combined. A. J. Karl and B. F. Webb. 1,461,637; July 10.
- Winding and hanking machine. A. E. Dunham. 1,461,705; July 10.
- Winding machine. E. Zindel. 1,461,641; July 10.
- Windmill regulator. J. M. Lowe. 1,461,489; July 10.
- Windmill wheel. N. A. Roman. 1,461,048; July 10.
- Window-cleaner's life net. G. W. Bryant. 1,461,648; July 10.
- Window construction. P. Becker. 1,461,023; July 10.
- Window fastener and antirattler. R. Stuart. 1,461,467; July 10.
- Window lock. S. J. Hoff. 1,461,147; July 10.
- Window-operating mechanism. L. M. Foss. 1,461,610; July 10.
- Window screen. A. E. Davis. 1,461,441; July 10.
- Window screen. C. W. Trickey. 1,461,588; July 10.
- Window stop. N. L. Shankland. 1,461,499; July 10.
- Windows and screen doors, Screen for. H. B. Shippee. 1,461,500; July 10.
- Windshield. A. M. Reiner. 1,461,095; July 10.
- Windshield cleaner. A. L. Fitz Gibbon. 1,461,087; July 10.
- Windshield, Safety. R. H. West. 1,461,237; July 10.
- Windshield visor. J. B. McMullen. 1,461,398; July 10.
- Wire distributor. J. W. Hendrix. 1,461,214; July 10.
- Wood-bending apparatus. F. H. Bancroft. 1,461,471; July 10.
- Wood-cutter sizer head. H. K. Hansen. 1,461,090; July 10.
- Wringer. *See—*
Clothes wringer.
- Yarn-tension device. J. O. McKean. 1,461,536-7; July 10.

CLASSIFICATION OF PATENTS

ISSUED JULY 10, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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215—	100: 1,461,621		1,461,447	242—	34: 1,461,641		44: 1,461,186		37: 1,461,176		1,461,478
216—	6: 1,461,453		24: 1,461,379		39: 1,461,205		50: 1,461,632	278—	115: 1,461,430		97: 1,461,289
217—	5: 1,461,587	233—	23: 1,461,031		53: 1,461,705		64: 1,461,214	279—	9: 1,461,548	299—	96: 1,461,546
	22: 1,461,099	234—	1: 1,461,519		84.4: 1,461,586		94: 1,461,353		101: 1,461,154		120: 1,461,545
	26: 1,461,235		1,461,613		84.6: 1,461,043		111: 1,461,355	280—	31: 1,461,458	301—	3: 1,461,223
219—	8: R. 15,652	235—	1: R. 15,651		117: 1,461,052		138: 1,461,141		33.15: 1,461,412		21: 1,461,311
	48: 1,461,634		70: 1,461,677		124: 1,461,480		145: 1,461,650		33.44: R. 15,649		30: 1,461,562
	55: 1,461,072		83: 1,461,449		150: 1,461,536		185: 1,461,338		87: 1,461,210		63: 1,461,229
220—	32: 1,461,706		88: 1,461,138		1,461,537		188: 1,461,637		96.1: 1,461,027		1,461,515
	47: 1,461,253		98: 1,461,432	244—	21: 1,461,216	255—	4: 1,461,037		147: 1,461,107		1,461,690
	52: 1,461,151		138: 1,461,455		29: 1,461,660		1,461,713		152: 1,461,304	303—	78: 1,461,025
	86: 1,461,436	236—	18: 1,461,470		30: 1,461,700		139: 1,461,518	282—	27: 1,461,399		85: 1,461,042
221—	13: 1,461,375		25: 1,461,644	246—	196: 1,461,352						

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- A. and G. Co., St. Louis, Mo. Applicators for the lips. 170,485; July 17; Serial No. 172,409; published Apr. 17, 1923.
- Ad-Pep Printing and Publishing Co. (See International Association of Machinists.)
- Aetna Carpet Co., New York, N. Y. Textile carpets. 170,539; July 17; Serial No. 174,504; published Apr. 17, 1923.
- Agripa Company, The. (See Mitchell, Robert G.)
- Aikin & Aikin, Fort Worth, Tex. Playing cards. 170,371; July 17; Serial No. 174,056; published Apr. 10, 1923.
- Akin Manufacturing Company, Charlotte, N. C. Shoe polish. 170,603; July 17; Serial No. 174,809; published Apr. 24, 1923.
- Aladdin Mystic Beauty Company, Grand Rapids, Mich. Clay for facial treatment. 170,459; July 17; Serial No. 172,572; published Apr. 10, 1923.
- Alexander, Samuel, Philadelphia, Pa. Boots and shoes made of leather. 170,486; July 17; Serial No. 172,410; published Apr. 17, 1923.
- Allen-Spiegel Shoe Mfg. Co., Belgium, Wis. Shoes, in-soles, and outer soles. 170,399; July 17; Serial No. 171,519; published Apr. 10, 1923.
- Aller Brothers, Chicago, Ill. Paper tablets, composition and blank books, pads, papeteries, etc. 170,638; July 17; Serial No. 175,539; published Apr. 17, 1923.
- Ambrosia Chocolate Co., Milwaukee, Wis. Candy. 170,430; July 17; Serial No. 171,887; published Apr. 10, 1923.
- American Agricultural Chemical Company, The, New York, N. Y. Fertilizer. 170,622; July 17; Serial No. 176,868; published Apr. 17, 1923.
- American Banking Machine Corporation, The, Saginaw, Mich. Advertising cards and educational posters. 170,608; July 17; Serial No. 173,948; published Apr. 24, 1923.
- American Chemical & Drug Co., Olyphant, Pa. Proprietary medicinal preparation for use as an aid to nature in lung affections, coughs, etc. 170,431; July 17; Serial No. 171,889; published Apr. 10, 1923.
- American Cotton Oil Company, The, Union Township, near Guttenberg, N. J., and New York, N. Y. Oil for salads and cooking. 170,400; July 17; Serial No. 171,520; published Apr. 10, 1923.
- American Oil Corporation, Jackson, Mich. Lubricating oils. 170,531; July 17; Serial No. 174,277; published Mar. 27, 1923.
- American Pickle & Canning Company, Hattiesburg, Miss. Pickles. 170,518; July 17; Serial No. 172,716; published Apr. 17, 1923.
- American Uniform Company, Inc., Wales, Mass. Woolen fabrics in the piece. 170,651; July 17; Serial No. 170,115; published Apr. 24, 1923.
- Anderson, Arthur A., doing business as Arthur Anderson Fish Co., Astoria, Oreg. Canned salmon. 170,515; July 17; Serial No. 172,821; published Apr. 17, 1923.
- Arizona Citrus Growers' Co., Phoenix, Ariz. Fresh citrus fruits. 170,516; July 17; Serial No. 172,857; published Apr. 17, 1923.
- Atmore and Son, Inc., Philadelphia, Pa. Mayonnaise. 170,449; July 17; Serial No. 172,196; published Apr. 10, 1923.
- Baltimore Copper Paint Company. (See Reeder, Oliver & Son, Inc.)
- Barriemore Shop, The. (See Lederer & Latz.)
- Barry, T. D., Company, Brockton, Mass. Shoes made wholly or in part of leather. 170,410; July 17; Serial No. 173,460; published Apr. 3, 1923.
- Bear, John D., Company. (See O'Rear, Robert E.)
- Berg, Frank L., Alton, Ill. Candy. 170,549; July 17; Serial No. 173,289; published Apr. 24, 1923.
- Biehl, George M., doing business as Liberty Storage Battery Company, Pottsville, Pa. Storage batteries. 170,575; July 17; Serial No. 167,347; published Apr. 3, 1923.
- Bird-Archer Company, The, New York, N. Y. Core facings, blackings, and binders, etc. 170,583; July 17; Serial No. 158,596; published Apr. 17, 1923.
- Bishop & Company, Los Angeles, Calif. Biscuits. 170,663; July 17; Serial No. 154,455; published Aug. 24, 1920.
- Blackburn, Mrs. L. A., Fort Worth, Tex. Preparation for influenza. 170,364; July 17; Serial No. 173,952; published Apr. 10, 1923.
- Blair, Samuel A., doing business as Blair Lumber Company, New York, N. Y. Wall or plaster board. 170,522; July 17; Serial No. 174,723; published Apr. 17, 1923.
- Blumenfeld, Samuel M., New York, N. Y. Boys' and men's caps. 170,365; July 17; Serial No. 173,953; published Apr. 3, 1923.
- Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 170,636; July 17; Serial No. 175,767; published Apr. 17, 1923.
- Bon-Quin Co. (See Brown, H. Clay.)
- Booth, F. E., Co., San Francisco, Calif. Oil used in making high-gloss varnish. 170,578; July 17; Serial No. 167,553; published Apr. 17, 1923.
- Bost, Bernice C., Chicago, Ill. Section of a monthly periodical. 170,562; July 17; Serial No. 173,910; published Apr. 17, 1923.
- Bownes, Frank, Company, Inc., Lynn, Mass. Paint enamels. 170,609; July 17; Serial No. 176,396; published Apr. 17, 1923.
- Brackett, William E., Toledo, Ohio. Powder for bathing, washing, and cleaning purposes. 170,564; July 17; Serial No. 173,994; published Apr. 24, 1923.
- Brecht Candy Company, The, Denver, Colo. Candy. 170,448; July 17; Serial No. 172,199; published Apr. 10, 1923.
- Brine, James W., Company, Boston, Mass. Woolen football blankets. 170,519; July 17; Serial No. 172,728; published Apr. 17, 1923.
- Brown, H. Clay, doing business as The Bon-Quin Co., Shreveport, La. Medicinal tonics for keeping the system in a healthy condition, etc. 170,552; July 17; Serial No. 173,589; published Apr. 17, 1923.
- Brown Orcola Company, The, Chicago, Ill. Shortening. 170,580; July 17; Serial No. 167,598; published Apr. 17, 1923.
- Buettner, T., & Co., Chicago, Ill. Art needlework. 170,645; July 17; Serial No. 170,270; published Apr. 24, 1923.
- Bunge, Herman, Elgin, Ill. Gasoline and lubricating oils. 170,643; July 17; Serial No. 176,064; published Apr. 17, 1923.
- Burns, E. Reed, Manufacturing Corp., Brooklyn, N. Y. Polishing compositions in the form of powder, paste, and liquid for metal. 170,499; July 17; Serial No. 171,009; published Apr. 24, 1923.
- Burpee, W. Atlee, Co., Philadelphia, Pa. Vegetable seeds. 170,627; July 17; Serial No. 175,065; published Apr. 24, 1923.
- C-R Millinery Co., Chicago, Ill. Misses' and ladies' hats. 170,432; July 17; Serial No. 171,905; published Apr. 10, 1923.
- Cabrera, G. M., doing business as Cabrera & Co., New York, N. Y. Chocolate. 170,657; July 17; Serial No. 168,511; published Apr. 17, 1923.
- Calcorgan Laboratories. (See Holm, J. Henry.)
- California Card Manufacturing Co., San Francisco, Calif. Photographic mountings. 170,633; July 17; Serial No. 175,340; published Apr. 17, 1923.
- Camlin Corset Co., Inc., New York, N. Y. Corsets and brassieres. 170,386; July 17; Serial No. 170,620; published Apr. 10, 1923.
- Cannon, Addis O., doing business as Cannon Toy Factory, Kent, Ohio. Toy wagons. 170,370; July 17; Serial No. 174,053; published Apr. 10, 1923.
- Canvas Products Company, St. Louis, Mo. Tents, tarpaulins, wagon covers, etc. 170,690-1; July 17.
- Capitol Hat Frame Works, Des Moines, Iowa. Hat frames. 170,389; July 17; Serial No. 170,807; published Apr. 3, 1923.
- Carmichael, Homer S., doing business as The International Canning Co., Belize, British Honduras, Central America. Canned lobster and tropical fruits. 170,592; July 17; Serial No. 148,126; published Oct. 31, 1922.
- Carnrick, G. W., Co., New York, N. Y. Medicinal preparations for the treatment of glandular deficiency. 170,415; July 17; Serial No. 173,127; published Apr. 10, 1923.
- Cassileth & Schwartz, Brooklyn, N. Y. Fur skins. 170,678; July 17; Serial No. 169,754; published Apr. 24, 1923.
- Celite Products Company, Los Angeles, Calif., and New York, N. Y. Material for arresting and separating impurities or other matter from fluids. 170,594; July 17; Serial No. 146,755; published Apr. 17, 1923.
- Central Dental Laboratory Co. Incorporated, New York, N. Y. Dental crowns composed of artificial enamel and metal. 170,378; July 17; Serial No. 174,356; published Apr. 10, 1923.
- Ceres Core Binder Company. (See McGrory, Daniel T.)
- Chadwin, Leo L., doing business as Gem Tire & Rubber Company, Philadelphia, Pa. Tires and inner tubes. 170,487; July 17; Serial No. 172,512; published Apr. 24, 1923.
- Cicetti, Federico, doing business as No-Worry Chemical Co., Newark, N. J. Washing fluid. 170,630; July 17; Serial No. 174,725; published Apr. 24, 1923.
- Cleveland Steel Barrel Company, The, Cleveland, Ohio. Pump outfits for dispensing lubricants and other fluids, parts thereof, and fittings thereof. 170,472; July 17; Serial No. 171,063; published Apr. 17, 1923.
- Close, George Co., The, Cambridge, Mass. Candy. 170,483; July 17; Serial No. 172,517; published Apr. 17, 1923.

- Close, George Co., The, Cambridge, Mass. Candy. 170,488; July 17; Serial No. 172,516; published Apr. 17, 1923.
- Cohen, J. H., doing business as The Connecticut Automotive Specialties Co. Inc., Bridgeport, Conn. Vacuum tank floats. 170,469; July 17; Serial No. 167,840; published Apr. 17, 1923.
- Comber & Cie., Saumur, France. Beverages sold as soft drinks. 170,874; July 17; Serial No. 174,166; published Apr. 10, 1923.
- Concentrated Products Corporation, Carlstadt, N. J., and New York, N. Y. Shampoo. 170,412; July 17; Serial No. 173,323; published Apr. 10, 1923.
- Connecticut Automotive Specialties Co., The. (See Cohen, J. H.)
- Con-O-Lite Corporation, Cortland, N. Y. Burial vaults. 170,642; July 17; Serial No. 176,072; published Apr. 17, 1923.
- Continental Rubber Company of New York, New York, N. Y. Unvulcanized Guayule rubber. 170,538; July 17; Serial No. 174,427; published Apr. 24, 1923.
- Cord Tire Corporation, The, Chester, W. Va. Automobile tire casings. 170,660; July 17; Serial No. 167,712; published Apr. 17, 1923.
- Corning Glass Works, Corning, N. Y. Glass teapots. 170,395; July 17; Serial No. 171,413; published Apr. 10, 1923.
- Curtis & Jones Company, Reading, Pa. Shoes. 170,396; July 17; Serial No. 171,414; published Apr. 10, 1923.
- Dakota Compound Company, Pierre, S. Dak. Powder used as water softener. 170,440; July 17; Serial No. 172,084; published Apr. 10, 1923.
- Deane Plaster Co., The, Yonkers, N. Y. Antiseptic dressings and absorbent and medicated cottons and gauzes, and bandages. 170,634; July 17; Serial No. 175,307; published Apr. 17, 1923.
- Deep Sea Fisheries, Inc., Rockland, Me. Boneless salt codfish. 170,441; July 17; Serial No. 172,085; published Apr. 10, 1923.
- Delacour Bros. Ltd., London, England. Tobacco pipes. 170,612-15; July 17; Serial Nos. 176,723-6; published Apr. 24, 1923.
- Delacour Bros. Ltd., London, England. Tobacco pipes. 170,623-4; July 17; Serial Nos. 176,727-8; published Apr. 24, 1923.
- Des Lauriers Metal Products Co., Inc., St. Paul, Minn. Milk-shipping cans and cans used for packing and shipping ice cream. 170,641; July 17; Serial No. 176,166; published Apr. 24, 1923.
- Diamond Match Company, The, Chicago, Ill. Matches. 170,565-6; July 17; Serial Nos. 158,822-3; published Apr. 17, 1923.
- Diamond Match Company, The, Chicago, Ill. Matches. 170,617-20; July 17; Serial Nos. 177,075-8; published Apr. 17, 1923.
- Disney Hats, New York, N. Y. Hats and caps. 170,392; July 17; Serial No. 171,209; published Apr. 3, 1923.
- Domino House. (See Sullivan, Marguerite.)
- Drug Products Co. Inc., The, Long Island City, N. Y. Suppositories. 170,368; July 17; Serial No. 173,999; published April 10, 1923.
- Easting Windscreens Limited, Birmingham, England. Wind screens for use with vehicles. 170,493; July 17; Serial No. 171,987; published Apr. 24, 1923.
- Edmonds Shoe Company, Milwaukee, Wis. Leather shoes. 170,540; July 17; Serial No. 174,514; published Apr. 17, 1923.
- Egyptian Seed Growers Exchange, Flora, Ill. Grass and field seed. No. 170,388; July 17; Serial No. 170,759; published Apr. 10, 1923.
- Ehmann Olive Company, Oroville, Calif. Canned baked beans with pork. 170,662; July 17; Serial No. 168,359; published Apr. 24, 1923.
- Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,403; July 17; Serial No. 173,475; published Apr. 10, 1923.
- Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,404-5; July 17; Serial Nos. 173,472-3; published Apr. 10, 1923.
- Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,406; July 17; Serial No. 173,470; published Apr. 10, 1923.
- Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,407-9; July 17; Serial Nos. 173,466-8; published Apr. 10, 1923.
- Electrad Corporation of America, New York, N. Y. Vacuum tubes. 170,366; July 17; Serial No. 173,960; published Apr. 3, 1923.
- Ephraim Sanitary Canning Company, Ephraim, Utah. Canned vegetables. 170,654; July 17; Serial No. 169,477; published Apr. 17, 1923.
- European Radio Company. (See Goll, Robert E.)
- Ewald, Cora, Brooklyn, N. Y. Toy dolls. 170,377; July 17; Serial No. 174,386; published Apr. 10, 1923.
- Faehndrich, William, New York, N. Y. Cheese. 170,665; July 17; Serial No. 147,720; published Jan. 10, 1922.
- Filice & Perrelli Canning Co., Gilroy, Calif. Canned fruits and vegetables. 170,401; July 17; Serial No. 171,534; published Apr. 10, 1923.
- Fisher, William H., doing business as Fisher Manufacturing Co., Brockton, Mass. Mops and mop handles. 170,644; July 17; Serial No. 175,855; published Apr. 17, 1923.
- Fisk Rubber Company, The, Chicopee Falls, Mass. Rubber tires. 170,546; July 17; Serial No. 173,186; published Apr. 24, 1923.
- Fletcher American Company, Indianapolis, Ind. Monthly publication. 170,668; July 17; Serial No. 158,676; published Apr. 24, 1923.
- Flexible Steel Lacing Company, Chicago, Ill. Flexible or hinged belt fasteners. 170,470; July 17; Serial No. 167,870; published Apr. 17, 1923.
- Fontana Food Products Company, San Francisco, Calif. Macaroni products, canned fruits, vegetables, and fish, evaporated milk, etc. 170,507; July 17; Serial No. 172,872; published Apr. 17, 1923.
- Forstmann & Huffmann Company, assignor to Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 170,653; July 17; Serial No. 169,441; published Apr. 24, 1923.
- Fronk, Henrietta C., Schenectady, N. Y. Ointment for the treatment of rheumatism, sprains, sores, etc. 170,543; July 17; Serial No. 173,281; published May 1, 1923.
- Fuchs, Joseph J., doing business as Tourists Pride Mfg. Co., Minneapolis, Minn. Inner-tube repair patches. 170,601; July 17; Serial No. 132,601; published Apr. 17, 1923.
- Gem Tire & Rubber Company. (See Chadwin, Leo L.)
- Glickman, Abraham E., Brooklyn, N. Y. Hair tonic. 170,500; July 17; Serial No. 171,017; published Apr. 17, 1923.
- Glidden Nut Butter Company, The, Chicago, Ill. Oleo-margarine. 170,669; July 17; Serial No. 159,506; published Feb. 13, 1923.
- Glo-Tex Company, The, Indianapolis, Ind. Cleaning fluid for dry-cleaning fabrics, leather, and the like. 170,556; July 17; Serial No. 173,763; published Apr. 24, 1923.
- Goldsmith, Stern & Co., New York, N. Y. Sewing thimbles. 170,379; July 17; Serial No. 174,387; published Mar. 13, 1923.
- Goldthorp, Henry, Company, Inc., Philadelphia, Pa. Upholstery and drapery fabrics. 170,650; July 17; Serial No. 170,063; published Apr. 17, 1923.
- Goll, Robert E., doing business as European Radio Company, Brooklyn, N. Y. Radio equipment. 170,380; July 17; Serial No. 174,388; published Apr. 3, 1923.
- Goodman American Ice Cream Company, Chicago, Ill. Ice cream. 170,648; July 17; Serial No. 169,716; published Apr. 17, 1923.
- Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes and arctic overshoes. 170,611; July 17; Serial No. 176,338; published Apr. 17, 1923.
- Graham Brothers, Evansville, Ind. Motor trucks and automobiles. 170,489; July 17; Serial No. 172,272; published May 1, 1923.
- Graham, William, New York, N. Y. Leather. 170,436; July 17; Serial No. 171,693; published Apr. 10, 1923.
- Greene, William C., Company, Providence, R. I. Pins, buckles, clasps, buttons, watch chains, neck chains, etc. 170,455; July 17; Serial No. 172,331; published Apr. 3, 1923.
- Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 170,495; July 17; Serial No. 170,381; published Apr. 24, 1923.
- Griswold Manufacturing Company, The, Erie, Pa. Dutch ovens. 170,475; July 17; Serial No. 172,156; published Apr. 17, 1923.
- Gund, George, doing business as Hygienic Coffee Company, Cleveland, Ohio. Coffee. 170,484; July 17; Serial No. 172,529; published Apr. 17, 1923.
- Haas Baruch & Co., Los Angeles, Calif. Tapioca. 170,491; July 17; Serial No. 171,317; published Apr. 24, 1923.
- Halligan Candy Company, Davenport, Iowa. Candy. 170,511; July 17; Serial No. 173,043; published Apr. 17, 1923.
- Hanover-Hall Company, New York, N. Y. Men's felt, straw, cloth, and silk hats and caps. 170,381; July 17; Serial No. 174,389; published Apr. 3, 1923.
- Harlequin Parfumerie Compagnie, New York, N. Y. Bottles or vials or packages or cases in which there is inclosed or contained either perfume or toilet water, etc. 170,490; July 17; Serial No. 171,167; published Apr. 17, 1923.
- Harris Suspender Company, New York, N. Y. Apparel belts. 170,421; July 17; Serial No. 172,944; published Apr. 3, 1923.
- Harrison, Sarah A., Omaha, Nebr. Sanitary-napkin holders. 170,639; July 17; Serial No. 175,491; published Apr. 17, 1923.
- Havens, Horace E., Chicago, Ill. Salad and cooking oil. 170,520; July 17; Serial No. 172,738; published Apr. 17, 1923.
- Hawthorne Paper Company, Kalamazoo, Mich. Writing paper. 170,536; July 17; Serial No. 156,447; published Apr. 17, 1923.
- Health Products Corporation, New York, N. Y. Laxative chewing gum. 170,434; July 17; Serial No. 171,732; published Apr. 10, 1923.

- Henderson, F. R., & Co. Inc., New York, N. Y. Caoutchouc milk. 170,673; July 17; Serial No. 172,533; published Apr. 24, 1923.
- Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel and alloys of nickel in ingots, sheets, and wire. 170,477; July 17; Serial No. 172,701; published Apr. 17, 1923.
- Henry Wiggin & Company Limited, Parade, Birmingham, England. Metals used for electrical purposes. 170,478; July 17; Serial No. 172,702; published Apr. 17, 1923.
- Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel steel in the form of plates, sheets, wire, etc. 170,479; July 17; Serial No. 172,703; published Apr. 17, 1923.
- Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel-chrome alloy. 170,480-1; July 17; Serial Nos. 172,704-5; published Apr. 17, 1923.
- Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel and manganese alloy. 170,517; July 17; Serial No. 172,707; published Apr. 17, 1923.
- Heywood-Wakefield Company, Gardner, Mass. Baby carriages and go-carts. 170,397; July 10; Serial No. 171,458; published Apr. 10, 1923.
- Hibler, John M., doing business as J. M. Hibler Mfg. Co., Defiance, Ohio. Cleanser for rugs, carpets, woolen goods, clothing, upholstered furniture, etc. 170,677; July 17; Serial No. 171,019; published Apr. 24, 1923.
- Hicks, Mme. Bertha M., Manufacturing Co., The, Indianapolis, Ind. Hair growers, liquid hair tonic, tetter salve, face cream, etc. 170,394; July 17; Serial No. 171,365; published Apr. 3, 1923.
- Hirsch, Daniel, New York, N. Y. Identification tags. 170,695; July 17.
- Hirsch, Walter J., Co., Chicago, Ill. Peanut butter, olives, mustard, chow relish. 170,584; July 17; Serial No. 157,523; published Apr. 24, 1923.
- Holm, J. Henry, doing business as Calcorganic Laboratories, Chicago, Ill. Medicinal compound to be dispensed for promoting calcification. 170,402; July 17; Serial No. 171,539; published Apr. 10, 1923.
- Honey Products Co., Tustin, Calif. Peanut jam. 170,557; July 17; Serial No. 173,769; published Apr. 24, 1923.
- Hood River Canning Co., Hood River, Oreg. Canned cherries. 170,442; July 17; Serial No. 172,093; published Apr. 10, 1923.
- Hooven and Allison Company, The, Xenia, Ohio. Istle rope. 170,599; July 17; Serial No. 117,597; published Dec. 30, 1919.
- Horstmann, Wm. H. Company, Philadelphia, Pa. Yarn. 170,621; July 17; Serial No. 176,999; published Apr. 17, 1923.
- Humber Limited, Coventry, England. Bicycles, tricycles, motor cycles, motor trucks, passenger automobiles. 170,590; July 17; Serial No. 154,513; published Apr. 24, 1923.
- Hurty-Peck & Co., Indianapolis, Ind. Beverage, sold as a soft drink and sirups for making the same. 170,369; July 17; Serial No. 174,011; published Apr. 10, 1923.
- Hutmacher Brading Company, The, Paterson, N. J. Shoe and corset laces. 170,585; July 17; Serial No. 156,789; published Apr. 24, 1923.
- Hygienic Coffee Company. (See Gund, George.)
- Hygienic Laboratories, Chicago, Ill. Shampoo. 170,362; July 17; Serial No. 173,931; published Apr. 10, 1923.
- Hygienic Laboratories, Chicago, Ill. Hair tonics. 170,363; July 17; Serial No. 173,932; published Apr. 10, 1923.
- Ideal Tire and Rubber Company, The, Cleveland, Ohio. Vehicle tires, inner tubes, tire casings and shoes, and repair parts. 170,588; July 17; Serial No. 155,968; published Apr. 17, 1923.
- Illinois Fruit Exchange, Centralia, Ill. Fresh fruits and vegetables. 170,581; July 17; Serial No. 167,641; published Apr. 24, 1923.
- Indian Refining Company Inc., New York, N. Y. Lubricating oils, greases, compounds, etc. 170,460; July 17; Serial No. 172,596; published Apr. 10, 1923.
- International Association of Machinists, doing business as Ad-Pep Printing and Publishing Co., Washington, D. C. Cartoons, advertising cartoons, and illustrations. 170,544; July 17; Serial No. 158,121; published Apr. 24, 1923.
- International Canning Co., The. (See Carmichael, Homer S.)
- International Harvester Company, Chicago, Ill. Tractors and attachments and parts thereof. 170,553; July 17; Serial No. 173,649; published Apr. 17, 1923.
- "J-E" Storage Battery Company. (See Luburg, Charles E.)
- Jeannette Glass Company, Jeannette, Pa. Glass plates, bowls, napkins, jars, jugs, pitchers, etc. 170,451; July 10; Serial No. 172,277; published Apr. 3, 1923.
- Joannes Bros. Co., Green Bay, Wis. Tea. 170,521; July 17; Serial No. 172,743; published Apr. 17, 1923.
- John, J. T., Company, Johns, N. C. Cantaloupes. 170,579; July 17; Serial No. 167,569; published Apr. 24, 1923.
- Johnson Pickett Rope Co., The, Manila, P. I. Rope, twine, cables, commercial twines, clotheslines. 170,571-2; July 17; Serial Nos. 164,920-1; published Apr. 17, 1923.
- Kann, Lewis L., doing business as Kann Manufacturing Co., New York, N. Y. Shoes made of leather and fabric and a combination of said materials. 170,411; July 17; Serial No. 173,426; published Apr. 3, 1923.
- Kavanaugh, George W., Inc., New York, N. Y. Cotton sheetings and cloths in bolts. 170,602; July 17; Serial No. 134,825; published Feb. 11, 1922.
- Kehr, Ernest, Richmond Hill, New York, N. Y. Cough lozenges. 170,393; July 17; Serial No. 171,326; published Apr. 10, 1923.
- Kendall Mfg. Co., Providence, R. I. Soaps. 170,496; July 17; Serial No. 170,487; published Apr. 24, 1923.
- Kermul Products, Inc., New York, N. Y. Wonder soap, body wash, floor cleanser, glass polish, metal polish, etc. 170,563; July 17; Serial No. 173,968; published Apr. 24, 1923.
- Keynote Manufacturing Co. Inc., Indianapolis, Ind. Cooling chest. 170,473; July 17; Serial No. 171,086; published Apr. 10, 1923.
- Keystone Varnish Company, Brooklyn, N. Y. Preparation used in the manufacture of floor paints, enamels, etc. 170,610; July 17; Serial No. 176,351; published Apr. 17, 1923.
- Kimballton Lime Company, Inc., Kimballton, Va. Lime. 170,497; July 17; Serial No. 170,822; published Apr. 17, 1923.
- King Candy Co., Fort Worth, Tex. Candies. 170,382; July 17; Serial No. 172,113; published Apr. 10, 1923.
- Kokomo Automotive Mfg. Co., Kokomo, Ind. Rear-view mirrors for vehicles, vehicle windshield wings, etc. 170,689; July 17.
- Kolbe Paint Company, The, Cincinnati, Ohio. Ready-mixed paints, house paints, paint enamels, varnishes, etc. 170,632; July 17; Serial No. 175,358; published Apr. 17, 1923.
- Krank, A. J., Mfg. Co., St. Paul, Minn. Salve for burns, wounds, etc. 170,417; July 17; Serial No. 173,050; published Apr. 10, 1923.
- Kurtz Brothers, Philadelphia, Pa. Macaroni and olive oil. 170,468; July 17; Serial No. 167,002; published Apr. 17, 1923.
- Lau, H. P., Co., Lincoln, Nebr. Coffee, rice, and evaporated milk. 170,667; July 17; Serial No. 158,320; published Oct. 3, 1922.
- Lawrence Soap Co., Methuen, Mass. Soaps. 170,652; July 17; Serial No. 169,366; published Apr. 24, 1923.
- Leather Products & Finishing Co., Los Angeles, Calif. Ring books, leather coin pouches, leather key cases, and special leather letter covers. 170,560; July 17; Serial No. 173,902; published Apr. 17, 1923.
- Lederer & Latz, doing business as The Barriemore Shop, New York, N. Y. Shoes made of leather. 170,387; July 17; Serial No. 170,655; published Apr. 3, 1923.
- Lever Brothers Company, Cambridge, Mass. Soap and soap powder. 170,676; July 17; Serial No. 171,130; published Apr. 24, 1923.
- Levussove, Louis, New York, N. Y. Human and animal hair. 170,670; July 17; Serial No. 162,751; published Oct. 10, 1922.
- Liberty Storage Battery Company. (See Biehl, George M.)
- Lilly, Dungan & Company, Baltimore, Md. Cigars, cigarettes, smoking tobacco. 170,693; July 17.
- Lincoln Motor Company, Highland Park, Mich. Motor cars. 170,692; July 17.
- Lowell Company, The, New York, N. Y. Toilet preparation for the removal of superfluous hair. 170,462; July 17; Serial No. 157,375; published Apr. 10, 1923.
- Lowell Company, The, New York, N. Y. Toilet preparation to darken and grow eyelashes. 170,463; July 10; Serial No. 157,376; published Apr. 10, 1923.
- Luburg, Charles E., doing business as "J-E" Storage Battery Company, Philadelphia, Pa. Electrolyte compound for storage batteries. 170,429; July 17; Serial No. 171,933; published Apr. 10, 1923.
- Lurie Company, Inc., The, New York, N. Y. Monthly magazine. 170,671; July 17; Serial No. 167,471; published Apr. 24, 1923.
- Lurye, Benjamin, doing business as B. Lurye & Co., Chicago, Ill. Hammers, hatchets, shovels, screw drivers, and chisels. 170,474; July 17; Serial No. 171,226; published Apr. 17, 1923.
- McCarthy, John W., Jr. Inc., San Francisco, Calif. Canned fruits and vegetables. 170,567; July 17; Serial No. 163,341; published Apr. 17, 1923.
- McGrory, Daniel T., doing business as Ceres Core Binder Company, Chicago, Ill. Processed cereal binder and a paste for forming core compounds used in the casting of metals. 170,420; July 17; Serial No. 172,952; published Apr. 10, 1923.
- McKay Company, New York, N. Y. Compound for coloring electric bulbs. 170,372; July 17; Serial No. 174,090; published Apr. 10, 1923.
- McMillan, A. G., doing business as Sales Equipment Company, Detroit, Mich. Combination index and sales-data book. 170,532; July 17; Serial No. 174,318; published Apr. 24, 1923.
- Mailiard & Schmiedell, San Francisco, Calif. Canned fruits, vegetables, and fish. 170,447; July 17; Serial No. 172,232; published Apr. 10, 1923.

- Mallinson, H. R., & Co. Inc., New York, N. Y. Silk piece goods. 170,502; July 17; Serial No. 173,139; published Apr. 24, 1923.
- Mallinson, H. R., & Co. Inc., New York, N. Y. Silk piece goods. 170,527; July 17; Serial No. 174,020; published Apr. 17, 1923.
- Manhattan Photo Supply Co., Inc., New York, N. Y. Golf balls. 170,685; July 17.
- Markt & Hammacher Company, New York, N. Y. Carpenters' tools, agricultural implements. 170,476; July 17; Serial No. 172,233; published Apr. 17, 1923.
- Marvello Lace Company, New York, N. Y. Lace edgings in the piece. 170,661; July 17; Serial No. 168,220; published Apr. 24, 1923.
- Mason, Judson T., doing business as Tol-O-Nite Remedy Co., Washington, D. C. Compound for treating influenza, grippie, etc. 170,607; July 17; Serial No. 174,317; published Apr. 24, 1923.
- Mausser Mill Company, Laury's Station, Pa. Wheat flour. 170,664; July 17; Serial No. 143,771; published Feb. 13, 1923.
- Melanson Shoe Company, Lynn, Mass. Leather shoes. 170,625; July 17; Serial No. 175,259; published Apr. 17, 1923.
- Melville Shoe Corporation, New York, N. Y. Shoes. 170,435; July 17; Serial No. 171,704; published Apr. 10, 1923.
- Metz, H. A., & Co., Inc., New York, N. Y. Dyes and dyestuffs. 170,413; July 17; Serial No. 173,238; published Apr. 10, 1923.
- Mid-Continent Tire Manufacturing Company, Wichita, Kans. Rubber tires and inner tubes. 170,600; July 17; Serial No. 118,089; published Apr. 24, 1923.
- Miller Rubber Company, The, Akron, Ohio. Solid and pneumatic rubber and fabric tires. 170,629; July 17; Serial No. 174,791; published Apr. 24, 1923.
- Mitchell, Robert G., doing business as The Agripa Company, New York, N. Y. Portable metallic holders for beverage containers. 170,464; July 17; Serial No. 161,733; published Apr. 17, 1923.
- Modern Pharmacal Co., Inc., New York, N. Y. Woman's tonic in the treatment of the weaknesses and disorders of the generative organs. 170,452; July 17; Serial No. 172,282; published Apr. 10, 1923.
- Modern Pharmacal Co., Inc., New York, N. Y. Blood maker and general tonic. 170,453; July 17; Serial No. 172,283; published Apr. 10, 1923.
- Monroe, John W., Lima, Ohio. Wood rolling partitions in buildings, for doors, wardrobes, etc. 170,574; July 17; Serial No. 166,705; published Apr. 17, 1923.
- Morgan, Emma A., doing business as R. B. B. Company, North Charlotte, N. C. Preparation for the treatment of pneumonia. 170,398; July 17; Serial No. 171,507; published Apr. 10, 1923.
- Morrill, Joseph H., Portsmouth, N. H. Automobile top dressing. 170,550; July 17; Serial No. 173,360; published Apr. 24, 1923.
- Morse, A. G., Company, Chicago, Ill. Candy. 170,551; July 17; Serial No. 173,438; published Apr. 24, 1923.
- Mountain State Glass Co., Mannington, W. Va. Window glass. 170,616; July 17; Serial No. 177,139; published Apr. 17, 1923.
- Munning, A. P., & Co., Matawan, N. J. Buffing rouge and materials of similar character. 170,533-6; July 17; Serial Nos. 174,321-4; published Apr. 24, 1923.
- Munning, A. P., & Co., Matawan, N. J. Buffing rouge used in the buffing and polishing trade to produce a bright luster on gold, silver, etc. 170,604-5; July 17; Serial Nos. 174,792-3; published Apr. 24, 1923.
- Naylor, Roger W., Chicago, Ill. Sanitary napkins. No. 170,526; July 17; Serial No. 174,629; published Apr. 10, 1923.
- Neuhoff, Fred B., doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Canned fruits and vegetables. 170,433; July 17; Serial No. 171,860; published Apr. 10, 1923.
- Neuhoff, Fred B., doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Canned fruits and vegetables. 170,554; July 17; Serial No. 173,657; published Apr. 24, 1923.
- New England Confectionery Company, Boston, Mass. Candy. 170,589; July 17; Serial No. 154,839; published Apr. 17, 1923.
- New England Confectionery Company, Boston, Mass. Candy. 170,591; July 17; Serial No. 154,820; published Apr. 17, 1923.
- No-Worry Chemical Co. (See Cicetti, Federico.)
- Non-Crush Fruit Guard Company. (See Satake, Shuzo.)
- Northman Publishing Company, The, Portland, Oreg. Monthly magazine. 170,675; July 17; Serial No. 171,380; published Apr. 24, 1923.
- Nutting, Walter M., doing business as Nutting Truck Company, Faribault, Minn. Floor trucks. 170,547; July 17; Serial No. 173,240; published Apr. 17, 1923.
- O'Rear, Robert E., doing business as John D. Bear Company, Clearbrook, Va. Emulsion of petroleum combined with hypophosphites. 170,426; July 17; Serial No. 172,051; published Apr. 10, 1923.
- Ostra Corporation, The, New York, N. Y. Sprayers for medicinal use. 170,509; July 17; Serial No. 172,954; published Apr. 17, 1923.
- Pacific Coast Biscuit Company, Seattle, Wash. Candies. 170,443; July 17; Serial No. 172,119; published Apr. 10, 1923.
- Page Steel & Wire Company, Adrian, Mich., and Bridgeport, Conn. Base-metal wire. 170,465; July 17; Serial No. 162,646; published Apr. 17, 1923.
- Parker Brothers, Portland, Me., and Salem, Mass. Parlor game played with cards. 170,375; July 17; Serial No. 174,330; published Apr. 10, 1923.
- Parker Brothers, Portland, Me., and Salem, Mass. Board game played with movable pieces. 170,419; July 17; Serial No. 172,955; published Apr. 10, 1923.
- Pateychuk, Wolter V., doing business as W. V. Patty, Altoona, Pa. Medicine for sore throat, influenza, etc. 170,414; July 17; Serial No. 173,206; published Apr. 10, 1923.
- Patty, W. V. (See Pateychuk, Wolter V.)
- Perkins, Charles B., Co., Boston, Mass. Smoking tobacco. 170,367; July 17; Serial No. 173,980; published Apr. 10, 1923.
- Petroleum Products Co., San Francisco, Calif. Lubricating oils and greases, gasoline, motor spirit, etc. 170,561; July 17; Serial No. 173,904; published Apr. 17, 1923.
- Pfund Nursery Co., Oak Park, Ill. Nursery products. 170,528; July 17; Serial No. 174,028; published Apr. 24, 1923.
- Pfryffer, Siegfried, Zurich, Switzerland. Metallic soldering alloys. 170,416; July 17; Serial No. 173,053; published Apr. 17, 1923.
- Philippe, Louis, New York, N. Y. Massage for the face and body. 170,385; July 17; Serial No. 170,542; published Apr. 10, 1923.
- Pike Manufacturing Company, Pike and Littleton, N. H.; Evansville, Vt.; New York, N. Y.; Orleans, Ind.; and Hot Springs, Ark. Oilstones, scythestones, whetstones, axstones, etc. 170,680; July 17; Serial No. 173,783; published Apr. 24, 1923.
- Polak's Frutal Works, Amersfoort, Netherlands. Natural and synthetic essential oils and materials suitable for the production of perfumes. 170,450; July 17; Serial No. 172,240; published Apr. 10, 1923.
- Potter-Wrightington, Inc., Charlestown, Boston, Mass. Bread wrappers. 170,466; July 17; Serial No. 164,187; published Apr. 10, 1923.
- Primalt Products Co., Chicago, Ill. Malt sirup. 170,577; July 17; Serial No. 167,420; published Apr. 24, 1923.
- Process Chemicals Incorporated, New York, N. Y. Insecticide and mothproofing composition. 170,656; July 17; Serial No. 168,489; published Apr. 17, 1923.
- Producers Canning & Packing Co., The, Salem, Oreg. Canned fruits and berries. 170,384; July 17; Serial No. 171,550; published Apr. 10, 1923.
- Products Mfg. & Sales Co., Milwaukee, Wis. Compound having the appearance of putty and used to retain molten metal while pouring bearings. 170,672; July 17; Serial No. 167,686; published Apr. 24, 1923.
- Public Ledger Company, Philadelphia, Pa. Title for cartoons. 170,682; July 17; Serial No. 172,900; published Apr. 24, 1923.
- R. B. B. Company. (See Morgan, Emma A.)
- Radio Ball Company, Lebanon, Pa. Inflated toy rubber balls. 170,492; July 17; Serial No. 171,815; published Feb. 6, 1923.
- Radio Publishing Corporation, New York, N. Y. Monthly magazine. 170,679; July 17; Serial No. 168,729; published Apr. 24, 1923.
- Raymond Bag Company, The, Middletown, Ohio. Paper receptacles. 170,482; July 17; Serial No. 172,687; published Apr. 17, 1923.
- Reeder, Oliver, & Son, Inc., Proprietors of the Baltimore Copper Paint Company, Baltimore, Md. Paints and varnishes. 170,510; July 17; Serial No. 173,006; published Apr. 17, 1923.
- Reese, Bert, Philadelphia, Pa. Cartoons and illustrations used for advertising purposes. 170,681; July 17; Serial No. 173,209; published Apr. 24, 1923.
- Reliable Importing Company, Inc., New York, N. Y. Salad vegetable oil. 170,446; July 17; Serial No. 172,174; published Apr. 10, 1923.
- Retailers' Manufacturing Corporation, Wilmington, Del.; Chicago, Ill.; and Tulsa, Okla. Prophylactics for the prevention of sexual diseases. 170,427; July 17; Serial No. 172,014; published Apr. 10, 1923.
- Richardson Dry Goods Co., St. Joseph, Mo. Cotton, silk and cotton, linen and cotton, and wool and cotton piece goods. 170,456; July 17; Serial No. 172,351; published Apr. 10, 1923.
- Robertson, Walter, & Son, Ltd., Brentford Bridge, Middlesex, England. Table jellies, caramel toffees and other boiled-sugar goods. 170,582; July 17; Serial No. 167,690; published Apr. 24, 1923.
- Robinson-Rodgers Co., Inc., The, Newark, N. J. Mattresses, pillows, bolsters, cushions. 170,597; July 17; Serial No. 136,604; published Apr. 24, 1923.
- Rockford Wholesale Grocery Co., Rockford, Ill. Coffee. 170,647; July 17; Serial No. 169,563; published Apr. 17, 1923.
- Rosebrand Co., Atlantic City, N. J. Nasal solution, douche therefor, and package containing both. 170,418; July 17; Serial No. 173,008; published Apr. 10, 1923.

- Rosenberger, William A., doing business as William A. Rosenberger Chemical Products Company, New York, N. Y. Compound for the desulphurization and dioxidation of molten metals preparatory to the pouring of the same into molds for casting. 170,424; July 17; Serial No. 172,059; published Apr. 10, 1923.
- Safepack Mills, Boston, Mass. Material for wrapping, packing and lining merchandise, etc. 170,598; July 17; Serial No. 115,189; published Sept. 16, 1919.
- Sales Equipment Company. (See McMillan, A. G.)
- Sally Mint Company, New York, N. Y. Candy and peppermint lozenges. 170,658; July 17; Serial No. 169,185; published Apr. 24, 1923.
- Samstag & Hilder Bros., New York, N. Y. Lingerie tape, pins, etc. 170,494; July 17; Serial No. 172,060; published Apr. 24, 1923.
- San Francisco Breweries, Ltd., The, San Francisco, Calif. Canned preserved fruits, jams, jellies, and fruit sirups. 170,576; July 17; Serial No. 167,368; published Apr. 24, 1923.
- Sand Springs Bottling Co., Tulsa, Okla. Beverages sold as soft drinks and sirups for making the same. 170,376; July 17; Serial No. 174,339; published Apr. 10, 1923.
- Satake, Shuzo, doing business as Non-Crush Fruit Guard Company, Sacramento, Calif. Cardboard to be placed in fruit boxes to prevent crushing of the fruit. 170,659; July 17; Serial No. 169,328; published Apr. 17, 1923.
- Savor Importing Co. Inc., New York, N. Y. Tunny fish, tomatoes, tomato sauce and paste, string beans, etc. 170,569; July 17; Serial No. 163,711; published Apr. 24, 1923.
- Scientific Farming Machinery Company, Minneapolis, Minn. Tillers comprising a plow and soil disintegrator. 170,437; July 17; Serial No. 171,660; published Mar. 13, 1923.
- Scott, Harry L., Baltimore, Md. Ice-cream cones made of milk chocolate. 170,649; July 17; Serial No. 170,043; published Apr. 24, 1923.
- Sehon, Stevenson & Company, Huntington, W. Va. Coffee. 170,383; July 17; Serial No. 171,595; published Apr. 10, 1923.
- Seitz, Walton C., Milwaukee, Wis. Hand shields. 170,683; July 17.
- Sheratone Products Corporation, New York, N. Y. Finishing and polishing materials in the nature of a varnish. 170,555; July 17; Serial No. 173,678; published Apr. 17, 1923.
- Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, varnishes, etc. 170,537; July 17; Serial No. 174,413; published Apr. 17, 1923.
- Shoninger, Sol H., doing business as The Solvos Company, Chicago, Ill. Baby pants or diaper covers. 170,568; July 17; Serial No. 163,709; published Oct. 24, 1922.
- Simson & Frey, Inc., New York, N. Y. Strings for violins and similar musical instruments. 170,458; July 17; Serial No. 172,561; published Apr. 3, 1923.
- Smith, Thomas S., Chicago, Ill. Fresh deciduous fruits and vegetables. 170,529; July 17; Serial No. 174,038; published Apr. 24, 1923.
- Solvos Company, The. (See Shoninger, Sol H.)
- Sonnenschein, J., Hop Company, Inc., New York, N. Y. Hops. 170,545; July 17; Serial No. 173,149; published Apr. 24, 1923.
- Sotham, Thomas F. B., St. Clair, Mich. Mincemeat. 170,444; July 17; Serial No. 172,126; published Apr. 10, 1923.
- Southern Spring Bed Company, Atlanta, Ga. Spring beds, mattresses, cots, and metal bedsteads. 170,559; July 17; Serial No. 173,859; published Apr. 24, 1923.
- Spencer, George, Moulton & Co. Ltd., Westminster, London, England. Rubber tires and inner tubes. 170,593; July 17; Serial No. 151,299; published Apr. 24, 1923.
- Sprague, Eugene A., doing business as Sprague Manufacturing Co., San Francisco, Calif. Soap compounds. 170,524; July 17; Serial No. 174,641; published Apr. 24, 1923.
- Squire and Co., Birmingham Limited, Stirchley, Birmingham, England. Cough mixture for human use. 170,513; July 17; Serial No. 172,776; published Apr. 17, 1923.
- St. Louis Surfacers & Paint Company, St. Louis, Mo. Dry, paste, and ready-mixed paints and varnishes. 170,514; July 17; Serial No. 172,777; published Apr. 17, 1923.
- St. Regis Paper Co., Watertown, N. Y. Fiber shipping cases. 170,640; July 17; Serial No. 175,445; published Apr. 17, 1923.
- Standard Motor Parts Company, Chicago, Ill. Lining for automobile transmissions. 170,631; July 17; Serial No. 175,413; published Apr. 24, 1923.
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Gasoline. 170,461; July 17; Serial No. 172,691; published Apr. 3, 1923.
- Standard Paper Manufacturing Co., Richmond, Va. Blotting paper. 170,523; July 17; Serial No. 174,704; published Apr. 17, 1923.
- Standard Paper Manufacturing Co., Richmond, Va. Blotting paper. 170,525; July 17; Serial No. 174,703; published Apr. 17, 1923.
- Standard Ultramarine Co., The, Huntington, W. Va. Ultramarine blue. 170,390; July 17; Ser. 170,905; published Apr. 10, 1923.
- Stanley Glidden Co., Inc., Boston, Mass. Tires, tubes, patches, hose, etc. 170,687; July 17.
- Sullivan, Marguerite, doing business as Domino House, Philadelphia, Pa. Facial and toilet preparations—namely, toilet powder. 170,570; July 17; Serial No. 164,677; published Oct. 10, 1922.
- Swint, Davis & Davis, Atlanta, Ga. Cigars. 170,457; July 17; Serial No. 172,362; published Apr. 10, 1923.
- Taft, Royal C., doing business as R. C. Taft Company, Chicago, Ill. Ribbon novelties or trims as may be used upon powder puffs, camisole straps, lingerie sets, etc. 170,646; July 17; Serial No. 170,164; published Apr. 24, 1923.
- Taintor Company, The, New York, N. Y. Whiting. 170,626; July 17; Serial No. 175,171; published Apr. 17, 1923.
- Templeton, James, & Son, Ltd., Ayr, Scotland. Knitting wool. 170,628; July 17; Serial No. 174,870; published Apr. 17, 1923.
- Teuscher & Son Machinery Supply Co., St. Louis, Mo. Automobile fan belts. 170,688; July 17.
- Thomas-Body Co., Oakland, Calif. Canned fruits. 170,558; July 17; Serial No. 173,792; published Apr. 24, 1923.
- Toledo Scale Company, Jersey City, N. J., and Toledo, Ohio. Page in a publication. 170,373; July 17; Serial No. 174,115; published Apr. 17, 1923.
- Toledo Steel Products Co., The, Toledo, Ohio. Poppet valves. 170,471; July 17; Serial No. 168,991; published Apr. 17, 1923.
- Tourists Pride Mfg. Co. (See Fuchs, Joseph J.)
- Tubbs Cordage Company, San Francisco, Calif. Sisal rope. 170,595; July 17; Serial No. 143,108; published June 21, 1921.
- Tubbs Cordage Company, San Francisco, Calif. Rope. 170,596; July 17; Serial No. 143,106; published June 21, 1921.
- Tubbs Cordage Company, San Francisco, Calif. Manila rope. 170,686; July 17, 1923.
- Tubular Woven Fabric Company, Pawtucket, R. I. Protective covering for electrical wires. 170,391; July 17; Serial No. 170,913; published Apr. 3, 1923.
- United Oil & Natural Gas Products Corporation, The, Monroe, La. Hydrocarbon black used as a base in the manufacture of paints, varnish, etc. 170,445; July 17; Serial No. 172,133; published Apr. 10, 1923.
- United States Pencil Co., Philadelphia, Pa. Lead and paper crayon pencils. 170,467; July 17; Serial No. 166,334; published Apr. 10, 1923.
- United States Products Corporation, San Jose, Calif. Canned fruits, vegetables, and fish. 170,655; July 17; Serial No. 168,391; published Apr. 17, 1923.
- Virden Packing Company, San Francisco, Calif. Canned fruits. 170,423; July 17; Serial No. 172,068; published Apr. 10, 1923.
- Virginia Blue Gem Coal Corporation, Pennington Gap and North Fork, Va. Steam and domestic coal. 170,637; July 17; Serial No. 175,691; published Apr. 24, 1923.
- Wadhams Oil Company, Milwaukee, Wis. Lubricating oils. 170,684; July 17.
- Walker Webbing Co., Providence, R. I. Shoe, etc., lacings, galloons, braids, webbings, beltings, tapes, and hairpins. 170,587; July 17; Serial No. 156,125; published Apr. 24, 1923.
- Wall, King H., Goldsboro, N. C. Bluing compound and a liquid bluing. 170,422; July 17; Serial No. 172,697; published Apr. 10, 1923.
- Wanamaker, John, New York, New York, N. Y. Men's leather gloves. 170,438-9; July 17; Serial Nos. 171,601-2; published Apr. 10, 1923.
- Washington Dehydrated Food Co., Yakima, Wash. Dehydrated apples. 170,508; July 17; Serial No. 172,919; published Apr. 17, 1923.
- Weber Milk Company, Indianapolis, Ind. Malted chocolate milk drink. 170,573; July 17; Serial No. 165,320; published Apr. 17, 1923.
- Weiner Brothers, Inc., New York, N. Y. Cotton piece goods. 170,541; July 17; Serial No. 174,550; published Apr. 17, 1923.
- Welch & Marker, Ionia, Mich. Vermifuge to be used in the treatment of live stock. 170,425; July 17; Serial No. 172,022; published Apr. 10, 1923.
- Westfield Manufacturing Company, Westfield, Mass. Baby carriages. 170,501; July 17; Serial No. 171,051; published Apr. 17, 1923.
- Wetherill, Samuel P., Jr., Philadelphia, Pa. Gas-generating means. 170,498; July 17; Serial No. 170,848; published Apr. 17, 1923.
- White House Products Co., Chicago, Ill. Compound for opening clogged pipes, traps, drains, etc. 170,451; July 17; Serial No. 172,305; published Apr. 10, 1923.
- White, Joseph J., Inc., New Lisbon, N. J. Blueberry plants. 170,674; July 17; Serial No. 172,458; published Apr. 2, 1923.
- White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,503; July 17; Serial No. 173,122; published Apr. 17, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,504; July 17; Serial No. 173,116; published Apr. 17, 1923.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,505-6; July 17; Serial Nos. 173,120-1; published Apr. 17, 1923.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,512; July 17; Serial No. 173,114; published Apr. 17, 1923.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,635; July 17; Serial No. 175,827; published Apr. 17, 1923.

Whitehouse & Hardy, Inc., New York, N. Y. Dress and sport shoes. 170,428; July 17; Serial No. 171,972; published Apr. 10, 1923.

Whitlock Cordage Co., Jersey City, N. J., and New York, N. Y. Rope. 170,548; July 17; Serial No. 173,265; published Mar. 20, 1923.

Wichita Fender Brace Company, The, Wichita Falls, Tex. Fender braces. 170,694; July 17.

Wilensky, S., London, England. Needles or styli for phonographs. 170,530; July 17; Serial No. 174,225; published Feb. 20, 1923.

Wolf Creek Soap Works Company, The, near Dayton, Montgomery County, Ohio. Soaps. 170,666; July 17; Serial No. 157,744; published Apr. 24, 1923.

Wood, T. W., & Sons, Richmond, Va. Section of a catalogue published monthly. 170,606; July 17; Serial No. 174,682; published Apr. 24, 1923.

Zinsmaster Baking Company, St. Paul, Minn. Bread. 170,542; July 17; Serial No. 136,822; published May 24, 1921.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

B. & B. Chemical Company, San Antonio, Tex. Chilitpine Syrup. For a Compound for Coughs and Colds. 26,220; July 17.

Bio-Medical Laboratories, Brooklyn, N. Y. Hemoglotone. For a Tonic. 26,221; July 17.

Dietrich, J., & Company, San Antonio, Tex. White Circle. The Soap That Cleans So Clean. For Soap. 26,222; July 17.

Durkee-Mower & Co., Swampscott, Mass. "Toot Sweet" Marshmallow Fluff. For Marshmallow Fluff. 26,223; July 17.

Faultless Rubber Company, The, Ashland, Ohio. Play Balls. For Sponge-Rubber Balls. 26,224; July 17.

Franklin Baker Co., The., Philadelphia, Pa. Southern Style Moist Sweetened Coconut. For Prepared Coconut. 26,225; July 17.

Goodridge, William H., doing business as Monroe Laboratory Company, Lynn, Mass. Asma Relief. For Asthma, Hay Fever, Bronchial and Catarrhal Medicine. 26,226; July 17.

Haas, Baruch & Co., Los Angeles, Calif. Neptune. For Table Salt. 26,227; July 17.

Hardy Newman & Co., also doing business as Parfait Powder Puff Co., Chicago, Ill. Parfait. For Powder Puffs. 26,228; July 17.

Heller, B., & Company, Chicago, Ill. Heller's Fancy-Pastry Dessert Powder. For Preparation for Use in Making Desserts. 26,229; July 17.

Heller, B., & Company, Chicago, Ill. Meloine. For Preparation for Use in Improving Ice Cream and in Conditioning the Ice-Cream Mix. 26,230; July 17.

Imperial Perfumery and Barber's Supplies, Inc., New York, N. Y. Imperial Bay Rum. For Bay Rum. 26,231; July 17.

Inderrieden Canning Co., Chicago, Ill. Peter-Pan. For Peas. 26,232; July 17.

Inderrieden Canning Co., Chicago, Ill. Peter-Pan. For Corn. 26,233; July 17.

Isser Reznik's Sons, New York, N. Y. Royal Muslin. For Muslin. 26,234; July 17.

King's Specialty Company. (See Williams, John A., D. D. S.)

Kirk, James S., & Company, Chicago, Ill. Kirk's Original Olive Cocoa Castile. For Soap. 26,235; July 17.

Lawton, Thomas, New York, N. Y. Dr. Lawton's Automatic Waistline Reducer. For Surgical Appliances. 26,236; July 17.

Lichtenberger, Harry J., Washington, D. C. Scout Notes. For Blank Notebooks and Memorandum Pads. 26,237; July 17.

Lucido Brothers Grocery Company, also doing business as Lucido Bros. Grocer Co., Granite City, Ill. Lucido's Quality. For Peas. 26,238; July 17.

Mangus, S. W., & Co., New York, N. Y. Name. For Handkerchiefs. 26,239; July 17.

Mendenhall, A. W., & Company, Kansas City, Mo. Aeroplane. For Sweeping Compound. 26,240; July 17.

Monroe Laboratory Company. (See Goodridge, William H.)

National Carbon Company, Inc., New York, N. Y. Eveready Radio "B" Battery. For Electric Batteries. 26,241; July 17.

New Amsterdam Bulb Co., Inc., New York, N. Y. Narcissus Paper White. For a Box of Narcissus Bulbs. 26,242; July 17.

Northwest Fruit Products Company, Salem, Ore. Salem. For Pears. 26,243; July 17.

Oakland Gum Company, Oakland, Calif. Tropical Fruit. For Gum. 26,244; July 17.

Parfait Powder Puff Co. (See Hardy Newman & Co.)

Seaside Oil Company, Summerland, Calif. Seaside. For Gasoline. 26,245; July 17.

Siegel, F. L., & Son, West Hoboken, N. J. Stormshield Liquid. The Roof that's Waterproof. For Protective Coatings for Roofs and the Like. 26,246; July 17.

South Chicago Wholesale Grocery and Produce Company, Inc., Chicago, Ill. State Line. For Early June Peas. 26,247; July 17.

Williams, John A., D. D. S., doing business as King's Specialty Company, Fort Wayne, Ind. Kiddies Filling. For Dental Filling Material. 26,248; July 17.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Bonded Tailoring Co., Inc., The, Cleveland, Ohio. Double-Twist Cloth. For Clothing. 6,819; July 17.

Cardinet Candy Company, Oakland, Calif. Take one Home—Slice it! For Baffle Bar Candy. 6,820; July 17.

Eaton, Crane & Pike Company, Pittsfield, Mass. Could this be you in these holelessly old style clothes. For Papeteries. 6,821; July 17.

Lowney, Walter M., Company, Boston, Mass. Lowney's Chocolates. For Chocolate Products, Including Particularly Lowney's Chocolates. 6,822; July 17.

Mayhew, James N., Co., Inc., Minneapolis, Minn. Fit-Rite. For Shoe and Slipper Trees. 6,823; July 17.

Neal, David, Canton, Ohio. N. For Batteries and Electrical Apparatus. 6,824; July 17.

Norwich Pharmacal Company, The, Norwich, N. Y. Sunburn Hurts! Unguentine Heals! For Unguentine. 6,825; July 17.

Olsen & Ebann, Chicago, Ill. The Aristocrats of Credit Jewelers. For Jewelry and Silverware. 6,826; July 17.

Palmolive Company, The, Milwaukee, Wis. Beauty That Lures. For Palmolive Soap. 6,827; July 17.

Trail Moc Shoe Company, Saco, Me. Flexible Bend like birch boughs. For Shoes. 6,828; July 17.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott, Frederick J., doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Motor fuels. 180,406-8; July 17.

Adams, Alfred B., New York, N. Y. Biotherapeutic and ophotherapeutic products. 176,008; July 17.

Aeroil Burner Company, Inc., Union Hill, N. J. Oil-burning appliances. 169,840; July 17.

African & Eastern Trading Co., Inc., New York, N. Y. Cotton piece goods. 175,230; July 17.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Aktiengesellschaft für Chemische Produkte, vormals H. Scheidemandel, Berlin, Germany. Pharmaceutical preparations for promoting the growth of human hair. 171,566; July 17.
- Alderman, Fairchild Co., Rochester, N. Y. Game. 178,423; July 17.
- Alderman, Fairchild Company, Rochester, N. Y. Game. 181,050; July 17.
- Allandale Knitting Mills, Inc., New York, N. Y. Knitted outer garments. 176,244; July 17.
- Altoona Packing Company, Astoria, Oreg. Canned fish. 178,542; July 17.
- American Arch Company, New York, N. Y. Fire and other brick. 158,967; July 17.
- American Asphalt Paint Co., Chicago, Ill. Ready-mixed paint. 178,017; July 17.
- American Lady Corset Company, Detroit, Mich. Corsets, corset waists, brassières, hose supporters, etc. 179,916; July 17.
- Amory, Browne & Co., Boston, Mass. Textile cotton fabrics. 181,103; July 17.
- Armour and Company, Chicago, Ill. Medicinal preparation used in the treatment of diabetes. 178,702; July 17.
- Atlantic Mills, Stottville, N. Y. Woolen piece goods. 177,946; July 17.
- Atlantic Mills, Stottville, N. Y. Cotton and woolen piece goods and piece goods of mixed cotton and wool. 177,947; July 17.
- Atlas Specialty Manufacturing Company, Chicago, Ill. Fabric covers for automobile accessories. 174,057; July 17.
- Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 180,781; July 17.
- Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 180,783-4; July 17.
- Barrett Company, The, New York, N. Y. Ready felt roofing. 168,508; July 17.
- Barron-Gray Packing Co., San Jose, Calif. Canned fruit and vegetables and dried fruit. 177,818; July 17.
- Beardsley, Robert, doing business as Beardsley Studios, Chicago, Ill. Lamp shades of fibrous material. 174,997; July 17.
- Becker Paper Corporation, New York, N. Y. Writing and bond paper. 178,208; July 17.
- Beerli, Joseph E., Cleveland, Ohio. Physiological nutritive salts. 177,894; July 17.
- Bethlehem Fabricators, Inc., Bethlehem, Pa. Structural members. 167,795; July 17.
- Beverage Extract Company, Chicago, Ill. Beverage sold as soft drink and a compound for making same. 179,513; July 17.
- Bevis Rock Salt Co., Kansas City, Mo., and Lyons, Kans. Salt. 176,109-11; July 17.
- Blue Bird Remedy Co., The, Minneapolis, Minn. Medicinal preparation used in the treatment of asthma, hay fever, and eczema. 178,022; July 17.
- Bornn, Frank, doing business as Bornn Distilling Company, New York, N. Y. Preparation for bathing and massaging. 174,425; July 17.
- Botany Worsted Mills, Passaic, N. J. Worsted yarn fabric known as "reps." 179,987-8; July 17.
- Brine, James W., Company, Boston, Mass. Hip and kidney pads, elastic bandages, etc. 172,578; July 17.
- Brown & Bigelow, St. Paul, Minn. Signs made of metal and celluloid. 160,745; July 17.
- Brown, C. D., & Co., Inc., Rochester, N. Y. Finished upper leather calfskins. 178,160-1; July 17.
- Brown, George G., New York, N. Y. Carburetors. 179,774; July 17.
- Brown, Geo. K., Co., Inc., Chattanooga, Tenn. Ice cream. 164,576; July 17.
- Brown, Jervis D., Los Angeles, Calif. Ointment for treatment of nervous itching and as a general healing ointment. 174,765; July 17.
- Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Rubber and fabric tires. 177,951; July 17.
- Buell, George C., & Co., Inc., Rochester, N. Y. Coffee. 178,819; July 17.
- Burns, Jabez, & Sons, New York, N. Y. Roasters and parts and supplies for same. 180,325; July 17.
- Butler, J. W., Paper Co., The, Chicago, Ill. Papers, Bristol board, cardboard. 179,926; July 17.
- Butts, J. F., Co., San Francisco, Calif. Canned fruits and vegetables. 178,551; July 17.
- C. G. Spring Company, The, Kalamazoo, Mich. Bumpers. 179,705-7; July 17.
- C. W. P. Company. (See Price, Charles W.)
- Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 178,065; July 17.
- Canvas Products Company, St. Louis, Mo. Tents, tarpaulins, wagon covers, etc. 174,065; July 17.
- Canvas Products Company, St. Louis, Mo. Tents, tarpaulins, wagon covers, etc. 174,068; July 17.
- Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics of silk. 181,061; July 17.
- Chesapeake Weaving Mills, Inc., Havre de Grace, Md., and Philadelphia, Pa. Bathing capes. 177,121; July 17.
- Cluett, Peabody & Company, Inc., Troy, N. Y. Collars. 176,451; July 17.
- Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 180,963; July 17.
- Continental Fibre Company, The, Newark, Del. Composite material. 174,236; July 17.
- Corticelli Silk Company, Florence, Northampton, Mass. Silk fabrics. 180,590; July 17.
- Crystal Petroleum Products Corporation. (See Abbott, Frederick J.)
- Delta Export Lumber Corporation, Memphis, Tenn. Logs. 178,497; July 17.
- Deutsche Gold und Silber Scheideanstalt, vormals Roessler, Frankfurt-on-the-Main, Germany. Chemical preparations used against plant pests and seed afflictions. 167,842; July 17.
- Dillon, Charles G., New York, N. Y. Beverage sold as a soft drink and sirups for making the same. 179,590; July 17.
- Dougherty, W. F., & Sons, Incorporated, Philadelphia, Pa. Coal and gas combination ranges and broilers and warming closets. 177,774; July 17.
- Drabek, Charles, doing business as Painters Supply Co., Cleveland, Ohio. Paints, varnishes, paint enamels. 165,858; July 17.
- Duplan Silk Corporation, New York, N. Y. Silk piece goods. 181,255-60; July 17.
- Dyestuffs & Chemicals, Incorporated, St. Louis, Mo. Coloring matter for butter. 176,790; July 17.
- Edral Company, Cincinnati, Ohio. Chemicals consisting of a tooth paste, mouth wash, etc. 178,238; July 17.
- Edwards, Frank M., Milwaukee, Wis. Trees, plants, shrubs, and bushes. 178,831; July 17.
- Einstein, J., Inc., New York, N. Y. Cotton, duck, and canvas piece goods. 180,793; July 17.
- Ellis Resilient Wheel Corporation, Seattle, Wash. Wheels of automobiles and industrial cars. 178,239; July 17.
- Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 181,178; July 17.
- Everett Knitting Works, Lebanon, N. H. Infants' knitted underwear, wrappers, and bands. 177,903; July 17.
- Everett Knitting Works, Lebanon, N. H. Misses' and children's knitted underwear and sleeping suits. 177,904; July 17.
- Excelsior Motor Mfg. and Supply Co., Chicago, Ill. Motorcycles and bicycles. 167,718; July 17.
- Fantea Company, The, Brooklyn, N. Y. Tea. 178,335; July 17.
- Farnsworth Mills Inc., The, Central Village, Conn. Woolen piece goods. 180,969; July 17.
- Feinberg, David, Company, doing business as Snappee Co., Chelsea, Mass. Spring covers and grease boots. 177,286; July 17.
- Fessenden Shirt Co., Inc., The, Kingston, N. Y. Men's dress and negligee shirts. 171,491; July 17.
- Flanders, A. H., Company, Chicago, Ill. Women's wearing apparel. 172,269; July 17.
- Florabelle Dressmakers, Inc., New York, N. Y. Outer skirts. 171,310; July 17.
- Flynn, Anna D., Beach Bluff, Mass. Candy. 178,601-2; July 17.
- Ford Motor Company, Highland Park, Mich. Motor cars. 170,014; July 17.
- Forquer, Bernard B., doing business as Movie Stars Laboratories, Joliet, Ill. Facial cream and rouge, toilet water, shampoo preparation, etc. 159,862; July 17.
- Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 180,971-2; July 17.
- Fox River Paper Company, Appleton, Wis. Writing paper. 180,975; July 17.
- Frolaset Corset Co., Detroit, Mich. Brassières, bandeaux, girdles, etc. 173,823; July 17.
- Gazzoni, A., & C., 11 Gerente, Bologna, Italy. Radioactive reconstituent. 173,385; July 17.
- Gloria Light Co., Chicago, Ill. Kerosene-gas-making appliances. 171,123; July 17.
- Goetz Flour Mills Co., Newton, Kans. Wheat flour. 152,796; July 17.
- Goethel, Alfred C., The, Milwaukee, Wis. Sheet-metal sectional rowboats. 176,617; July 17.
- Gol-Mar. (See Gold, Jacob N.)
- Gold, Jacob N., doing business as Gol-Mar, Philadelphia, Pa. Automobile accessories. 164,431; July 17.
- Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 180,859; July 17.
- Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 181,181; July 17.
- Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 181,193; July 17.
- Graham, Robt. J., Cashmere, Wash. Fresh boxed apples. 171,536; July 17.
- Gray, Arbaces B., doing business as A. B. Gray Company, Sullivan, Ind. Prepared mustard, vinegar, tomato catchup, coffee, etc. 177,485; July 17.
- Griffin, William R., West Norwood, N. J. Moth-preventive compound. 167,720; July 17.
- H. & H. Products Company. (See Horner, Mary B.)
- Haines Manufacturing Corporation, Rochester, N. Y. Automobile accessories. 178,841; July 17.

- Harrisburg Coal Mining Company, Chicago, Ill. Coal. 176,624; July 17.
- Heathcote, Edward, New York, N. Y. Hosiery, underwear, sweaters, gloves, and mittens. 176,465; July 17.
- Heidelberg, Wolff & Co., New York, N. Y. Overcoats, raincoats, smoking jackets, house coats, etc. 179,722; July 17.
- Heller, B., & Company, Chicago, Ill. Insecticide for killing moths and carpet beetles. 174,301; July 17.
- Heller, B., & Company, Chicago, Ill. Combined coloring and flavoring. 174,304; July 17.
- Herman, John C., & Company, Harrisburg, Pa. Cigars. 179,599; July 17.
- Hickey-Freeman Co., Rochester, N. Y. Overcoats and topcoats. 177,377; July 17.
- Highland Lake Paper Company, Walpole, Mass. Sheathing, waterproof building, and roofing paper, tar felt, and asphalt shingles. 178,611; July 17.
- Hillierich & Bradsby Co., Inc., Louisville, Ky. Baseball bats. 180,430; July 17.
- Hillig, Frederick W., doing business as F. W. Hillig Co., New York, N. Y. Tablecloths, napkins, scarfs, etc. 161,549; July 17.
- Hillig, Frederick W., doing business as F. W. Hillig Co., New York, N. Y. Bed coverings, sheetings, pillowcases, bedspreads, tickings. 161,550; July 17.
- Hirshfeld, Jacob B., doing business as J. B. Hirshfeld & Co., Inc., New York, N. Y. Knitted and nainsook underwear, hosiery, and sweaters. 176,184; July 17.
- Hoffman Candy Co., Cleveland, Ohio. Candy bar. 178,343; July 17.
- Hollander, Isadore, doing business as Hollander Chemical Works, Bayonne, N. J. Insecticides. 178,388; July 17.
- Horner, Mary B., doing business as H. & H. Products Company, Atlanta, Ga. Shampoo cream. 178,613; July 17.
- Hornung, Ernest W., doing business as The Hubbell Manufacturing Co., Cleveland, Ohio. Glass curtain lights and frames for automobiles. 169,904; July 17.
- Horst, Amos L., New York, N. Y. Hosiery. 176,547; July 17.
- Hrejsa, Joseph F., Chicago, Ill. Laxative preparations. 177,972; July 17.
- Hubbell Manufacturing Co., The. (See Hornung, Ernest W.)
- Hudson, J. L., Co., The, Detroit, Mich. Men's and young men's outer clothing—viz, suits. 171,846; July 17.
- Human Hand Cake Beater Co. (See Swope, John A., Jr.)
- Hunter Dry Kiln Company, The, Indianapolis, Ind. Dry kilns. 175,354; July 17.
- Huyler's, New York, N. Y. Candy. 171,172; July 17.
- I. C. Refrigeration Co., New York, N. Y. Refrigeration cabinets. 180,477; July 17.
- Independent Drug Company, Jacksonville, Fla. Water bottles, fountain syringes, etc. 181,279; July 17.
- Irving Engineering Sales Co., Chicago, Ill. Radiator shutters for internal-combustion engines. 167,722; July 17.
- Jennison-Wright Co., The, Toledo, Ohio. Pavements and floors and materials therefor. 181,735; July 17.
- Jennison-Wright Co., The, Toledo, Ohio. Floors and pavements, coatings, mastics, etc., for floors and pavements. 181,736; July 17.
- Johns-Manville, Inc., New York, N. Y. Packing rings. 171,540; July 17.
- Johnson, Young & Hamilton, Parma, Idaho. Potatoes and head lettuce. 171,849; July 17.
- Joliet Manufacturing Company, Joliet, Ill. Corn shellers. 180,223; July 17.
- Kaletzky, Louis, Syracuse, N. Y. Medicine for rheumatism and backache. 178,344; July 17.
- Kent, Michael W., doing business as Kent Company, Kansas City, Mo. Dentifrice. 178,724; July 17.
- Keynote Manufacturing Co., Inc., Indianapolis, Ind. Septic tanks. 176,480; July 17.
- Keystone Fruit Products Company, Cincinnati, Ohio. Preserved fruit. 177,607; July 17.
- Klein, L., Inc., Chicago, Ill. Men's and boys' suits, overcoats, and hats. 174,309; July 17.
- Larson-Sorahan Co., Inc., Salem, Oreg. Furniture and automobile polish. 177,563; July 17.
- Lazier, J. F., Mfg. Co., St. Louis, Mo. Nonalcoholic maltless soft drinks. 178,745; July 17.
- Lebwohl & Mindich, New York, N. Y. Tobacco, cigar, and cigarette boxes. 166,950; July 17.
- Leff, Edward, doing business as Leff Company, New York, N. Y. Hosiery, gloves, underwear. 160,016; July 17.
- Lewis-Wise Co., Inc., New York, N. Y. Men's robes. 179,873; July 17.
- Lilly, Eli, & Company, The, Indianapolis, Ind. Medical preparation. 159,212; July 17.
- Lord & Taylor, New York, N. Y. Shoes. 176,486; July 17.
- Lovejoy Manufacturing Company, Boston, Mass. Hydraulic shock absorber for automobiles. 177,090-1; July 17.
- McKee, William, Minneapolis, Minn. Beverage sold as a soft drink. 179,876; July 17.
- McKesson & Robbins Inc., New York, N. Y. Brushes. 177,502; July 17.
- McKoin, Ida, Guthrie, Okla. Hair grower. 177,858; July 17.
- Macy, R. H., & Co., Inc., New York, N. Y. Aprons. 174,524; July 17.
- Mahr Manufacturing Company, Minneapolis, Minn. Oil-burning equipment, furnaces, torches, etc. 172,683; July 17.
- Majestic Clothing Company, The, New York, N. Y. Men's, young men's, and boys' outer suits, top coats, pants, etc. 181,431; July 17.
- Majestic Shoe Company, New York, N. Y. Shoes. 176,412; July 17.
- Maline Mills, The, Winston-Salem, N. C. Knit underwear and undershirts, princess slips for women. 168,478; July 17.
- Marguerite Laboratories. (See Murphy, Margaret C.)
- Marshall Field & Company, Chicago, Ill. Nail files, toilet tweezers, nail and cuticle nippers. 181,270; July 17.
- Martha Maid Manufacturing Company, Inc., Chicago, Ill. Cotton, silk, wool, and linen underwear of knitted and textile fabric for females. 178,084; July 17.
- Medoc Distributing Company, New York, N. Y. Pharmaceutical preparations. 143,773; July 17.
- Mifflinburg Body Company, The, Mifflinburg, Pa. Commercial automobile bodies. 177,448; July 17.
- Mihalovitch Co., The, Cincinnati, Ohio. Rubbing and massage alcohol, skin cleanser, hair tonic, and after-shaving lotion. 178,267; July 17.
- Milldale Textile Corporation, New York, N. Y. Cotton piece goods. 181,032; July 17.
- Miller, George M., Brooklyn, N. Y. Liquid cream and pomade hair dressings. 176,905; July 17.
- Miller, Jerome L., doing business as J. L. Miller Knitting Mill, Hazleton, Pa. Ladies' cotton knit underwear. 179,946; July 17.
- Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, etc., goods in the piece. 181,033-4; July 17.
- Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, etc., goods in the piece. 181,036-7; July 17.
- Miltex Cloak & Suit Co., New York, N. Y. Women's cloaks, suits, and coats. 176,030; July 17.
- Movie Stars Laboratories. (See Forquer, Bernard B.)
- Murphy, Margaret C., doing business as Marguerite Laboratories, Evanston, Ill. Cold and dry creams, face powder, rouges, etc. 168,426; July 17.
- National Candy Company, doing business as Peckham Candy Factory, St. Louis, Mo., assignor to National Confectioners Association of the United States, Chicago, Ill. Candy. 172,549; July 17.
- National Confectioners Association of the United States. (See National Candy Company, assignor.)
- Neuss, Hesslein & Co., Inc., New York, N. Y. Printed, bleached, gray, etc., cotton piece goods. 180,882; July 17.
- Newell, Carroll D., New York, N. Y. Yarn. 177,420; July 17.
- Nicholson's Raincoat Co., Limited, St. Albans, England. Waterproofed fabrics in the piece. 176,497; July 17.
- Northwestern Yeast Company, Chicago, Ill. Yeast vitamin product used as a tonic. 177,318; July 17.
- Nu-Ka-Na Remedy Co. (See Rett, William F.)
- Odex Products Company, Chicago, Ill. Foot powder. 178,767; July 17.
- Oertel Roofing Manufacturing Company, now by change of name Stormcote Roofing Corporation, East St. Louis, Ill. Roofing materials. 162,442; July 17.
- Painters Supply Co. (See Drabek, Charles.)
- Parrish, S. H., Company, Chicago, Ill. Drying liquid composition of matter for rendering paper transparent. 176,646; July 17.
- Peckham Candy Factory. (See National Candy Company.)
- Peterkin Company, The, Baltimore, Md. Candies. 174,485; July 17.
- Price, Charles W., doing business as C. W. P. Company, New York, N. Y. Hair tonics, shampoo, jelly, massage oil, etc. 177,020; July 17.
- Procter and Gamble Company, The, Cincinnati, Ohio. Glycerin. 177,998; July 17.
- Prym, William Company, Limited, The, Stolberg, Germany. Bone stilettoes, hooks and eyes, corset eyes, snap fasteners, etc. 148,615; July 17.
- Pung-Chow Company, Inc., New York, N. Y. Games and parts thereof. 179,955-6; July 17.
- Pure Oil Company, Columbus, Ohio. Cylinder oil. 178,121; July 17.
- Pure Oil Company, Columbus, Ohio. Lubricating oil for hand separators. 178,123; July 17.
- Pure Oil Company, Columbus, Ohio. Graphite farm-machinery oil. 178,124; July 17.
- Pure Oil Company, Columbus, Ohio. Farm-machinery lubricating oil. 178,125; July 17.
- Pure Oil Company, Columbus, Ohio. Axle grease. 178,133; July 17.
- Pure Oil Company, Columbus, Ohio. Hard oil. 178,134; July 17.
- R. & R. Underwear, New York, N. Y. Brassières. 172,013; July 17.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

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PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Randles, Charles D., doing business as Randles Mfg. Company, Ogdenburg, N. Y. Uniforms—namely, dresses, aprons, caps, bibs, etc. 158,895; July 17.
- Red Head Manufacturing Company, New York, N. Y. Hand drills. 179,820; July 17.
- Reese Chemical Company, The, Cleveland, Ohio. Remedy for the treatment of goiter. 178,359; July 17.
- Reeves Coal and Dock Co., Minneapolis, Minn. Coal. 164,194; July 17.
- Republic Rubber Company, The, Youngstown, Ohio. Solid, semisolid, and pneumatic elastic tires and inner tubes. 181,867; July 17.
- Rett, William F., doing business as Nu-Ka-Na Remedy Co., Roselle, N. J. Medicine known as a blood purifier and body builder. 178,284; July 17.
- Richardson-Marsh Corporation, The, Orlando, Fla. Fresh citrons fruits. 178,867; July 17.
- Ridge, William F., doing business as Ridged Grip Company, Akron, Ohio. Grips for steering wheels of automobiles, etc. 174,281; July 17.
- Roanoke Mills Company, Roanoke Rapids, N. C. Woven cotton fabrics including cotton flannels. 175,439; July 17.
- Röhm & Haas Aktiengesellschaft, Darmstadt, Germany. Glue and gelatins used in the manufacture of glue. 164,196; July 17.
- Rouse, Hempstone & Co., Inc., Baltimore, Md. Men's and boys' work shirts, flannel shirts, and pants. 158,451; July 17.
- Rubber & Celluloid Products Company, doing business as Rubberset Company, Newark, N. J. Shaving brushes. 179,962; July 17.
- Rubberset Company. (See Rubber & Celluloid Products Company.)
- Sadler, Robt. J., Shoe Co. Incorporated, New York, N. Y. Shoes. 174,978; July 17.
- Salmon Falls Manufacturing Company, Boston, Mass. Tire fabrics in the piece. 179,323; July 17.
- Salz Brothers Inc., New York, N. Y. Fountain pens. 162,073; July 17.
- Schoedinger, F. O., Columbus, Ohio. Stove dampers, soldering furnaces, pipes, elbows, etc. 172,183; July 17.
- Schoedinger, F. O., Columbus, Ohio. Roofing paint and paint enamel for furniture. 172,185; July 17.
- Selle, H. W., & Co., Chicago, Ill. Packing pads made of excelsior, etc., used in packing objects for shipments. 178,474; July 17.
- Simon, N., & Co., Chicago, Ill. Apron dresses. 179,748; July 17.
- Sloman, Ernest G., San Francisco, Calif. Card game. 177,143; July 17.
- Sloman, Ira L., New York, N. Y. Glue products. 171,555; July 17.
- Snapee Co. (See Feinberg David, Company.)
- Snowolene Holding Company, Los Angeles, Calif. Gasoline, kerosene, lubricating oils, petroleum distillate. 180,248; July 17.
- Societe Anonyme Parfumerie Violet, Paris, France. Perfumes, toilet waters, face, talcum, and sachet powders, etc. 178,144; July 17.
- Sonnenschein, J., Hop Company, Inc., New York, N. Y. Hops. 173,148; July 17.
- St. Firo Remedy Co., Newark, N. J. Healing creams for eczema. 143,464; July 17.
- Stafford, George A., doing business as G. A. Stafford & Co., New York, N. Y. Woven cotton fabrics in the piece. 135,737; July 17.
- Standard Oil Company of New York, New York, N. Y. Petroleum oil. 172,242; July 17.
- Star Can Opener Company, San Francisco, Calif. Can openers. 180,307; July 17.
- Steinfeld Inc., New York, N. Y. Ice-cream freezers. 178,574; July 17.
- Sterrett & Fleming Incorporated, Washington, D. C. Used and secondhand motor vehicles. 176,369; July 17.
- Stevens, J., Arms Company, New York, N. Y. Shotguns. 159,189; July 17.
- Stormcote Roofing Corporation. (See Oertel Roofing Manufacturing Company.)
- Stroock, S., & Company, Inc., New York, N. Y. Fabric in the piece composed of wool or other animal fibers. 181,225; July 17.
- Superior Distributing Co., New York, N. Y. Metal cash boxes. 173,340; July 17.
- Swope, John A., jr., doing business as Human Hand Cake Beater Co., Union Deposit, Pa. Cake beaters and mixers. 177,333; July 17.
- Tanner & Poindexter, Atlanta, Ga. Medicinal tablets. 175,276; July 17.
- Tarara, Paul L., St. Paul, Minn. Antiseptic foot powder. 178,072; July 17.
- Taylor, Clapp & Beall, New York, N. Y. Cotton piece goods. 181,048; July 17.
- Thurston, W. Harris, & Co. Inc., New York, N. Y. Shirts. 160,100; July 17.
- Union Steel Products Company, Ltd., The, Albion, Mich. Pie, cooky, and bread rack trucks, proof-box, dough-trough, etc., trucks. 178,008; July 17.
- Uswald, Harry, Brooklyn, N. Y. Fur coats, wraps, capes, and neck-pieces. 155,576; July 17.
- Vacuum Water Company, Inc., New York, N. Y. Soda water and beverages sold as soft drinks. 165,646; July 17.
- Viquesney, Ernest M., Spencer, Ind. Images, bric-a-brac, statuary, etc. 170,228; July 17.
- Vitretrax Company, Inc., The, Los Angeles, Calif. Refractory linings for forges, smelters, etc., refractory cements, etc. 170,416; July 17.
- Voss & Stern, New York, N. Y. Sateen piece goods. 179,693; July 17.
- Wardwell, Edward H., New York, N. Y. Shell. 176,331; July 17.
- Warren & Bailey Co., Los Angeles, Calif. Belting, hose, packing. 172,246; July 17.
- Webster, William A., Company, The, Memphis, Tenn. Aspirin. 152,294; July 17.
- Wedrick, William R., Silver Lake, Ind. Onions. 177,941; July 17.
- Westcott, Slade and Balcom Company, Providence, R. I. Boat paint. 178,647; July 17.
- White, Robert E., Absecon, N. J. Cement and concrete blocks, bricks, and building units. 178,200; July 17.
- Whitman, Ward & Lee Co., Boston, Mass. Fresh fish which have been subjected to a pickling. 176,147; July 17.
- Williams, Arthur A., doing business as Arthur Williams Shoe Company, Holliston, Mass. Leather used in manufacturing and repairing shoes. 178,421; July 17.
- Williams, Thomas S., Republic, Wash. Preparation for the removal of dandruff and the treatment of scalp and skin diseases. 179,636; July 17.
- Willow Weaving Co. Inc., New York, N. Y. Cravats. 179,576; July 17.
- Wilson Goggles, Inc., Reading, Pa. Ophthalmic mountings and parts thereof. 180,403; July 17.
- Wilson Brothers, Chicago, Ill. Hosiery. 185,121; July 17.
- Wire Wheel Corporation of America, Buffalo, N. Y. Metal disk for motor vehicles and parts thereof. 178,793; July 17.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

- Blueberry plants. Joseph J. White, Inc. 170,674; July 17; Serial No. 172,458; published Apr. 24, 1923.
- Caoutchouc, Milk. F. R. Henderson & Co. 170,673; July 17; Serial No. 172,533; published Apr. 24, 1923.
- Coal, Steam and domestic. Virginia Blue Gem Coal Corporation. 170,637; July 17; Serial No. 175,691; published Apr. 24, 1923.
- Compound having the appearance of putty. Products Mfg. & Sales Co. 170,672; July 17; Serial No. 167,686; published Apr. 24, 1923.
- Core facings, blackings, and binders, etc. Bird-Archer Company. 170,583; July 17; Serial No. 158,596; published Apr. 17, 1923.
- Fur skins. Cassileth & Schwartz. 170,678; July 17; Serial No. 169,754; published Apr. 24, 1923.
- Hair, Human and animal. L. Levussove. 170,670; July 17; Serial No. 162,751; published Oct. 10, 1922.
- Hops. J. Sonnenschein Hop Company. 170,545; July 17; Serial No. 173,149; published Apr. 24, 1923.
- Leather. W. Graham. 170,436; July 17; Serial No. 171,693; published Apr. 10, 1923.
- Nursery products. Pfund Nursery Co. 170,528; July 17; Serial No. 174,028; published Apr. 24, 1923.
- Rubber, Guayule. Continental Rubber Company of New York. 170,538; July 17; Serial No. 174,427; published Apr. 24, 1923.
- Seed, Grass and field. Egyptian Seed Growers' Exchange. 170,388; July 17; Serial No. 170,759; published Apr. 10, 1923.
- Seeds, Vegetables. W. Atlee Burpee Co. 170,627; July 17; Serial No. 175,065; published Apr. 24, 1923.

CLASS 2.

Cans and cans used for packing and shipping ice cream, Milk-shipping. Des Lauriers Metal Products Co. Inc. 170,641; July 17; Serial No. 176,166; published Apr. 24, 1923.

Cardboard to be placed in fruit boxes to prevent the crushing of the fruit. S. Satake. 170,659; July 17; Serial No. 169,328; published Apr. 17, 1923.

Paper receptacles. Raymond Bag Company. 170,482; July 17; Serial No. 172,687; published Apr. 17, 1923.

Shipping cases, Fiber. St. Regis Paper Co. 170,640; July 17; Serial No. 175,445; published Apr. 17, 1923.

Vaults, Burial. Con O-Lite Corporation. 170,642; July 17; Serial No. 176,072; published Apr. 17, 1923.

CLASS 3.

Ring books, and leather coin pouches, key cases, and letter covers. Leather Products & Finishing Co. 170,560; July 17; Serial No. 173,902; published Apr. 17, 1923.

CLASS 4.

Automobile top dressing. J. H. Morrill. 170,550; July 17; Serial No. 173,860; published Apr. 24, 1923.

Buffing rouge used in the buffing and polishing trade. A. P. Munning & Co. 170,533-6; July 17; Serial Nos. 174,321-4; published Apr. 24, 1923.

Buffing rouge used in the buffing and polishing trade. A. P. Munning & Co. 170,604-5; July 17; Serial Nos. 174,792-3; published Apr. 24, 1923.

Cleaning fluid. Glo-Tex Company. 170,556; July 17; Serial No. 173,763; published Apr. 24, 1923.

Cleanser for rugs, carpets, etc. J. M. Hibler. 170,677; July 17; Serial No. 171,019; published Apr. 24, 1923.

Oilstones, scythestones, whetstones, hones, strops, etc. Pike Manufacturing Company. 170,680; July 17; Serial No. 173,783; published Apr. 24, 1923.

Polish, Shoe. Akin Manufacturing Company. 170,603; July 17; Serial No. 174,809; published Apr. 24, 1923.

Polishing compositions. E. Reed Burns Manufacturing Corp. 170,499; July 17; Serial No. 171,009; published Apr. 24, 1923.

Powder for bathing, washing, and cleaning purposes. W. E. Brackett. 170,564; July 17; Serial No. 173,994; published Apr. 24, 1923.

Soap and soap powder. Lever Brothers Company. 170,676; July 17; Serial No. 171,130; published Apr. 24, 1923.

Soap compounds. E. A. Sprague. 170,524; July 17; Serial No. 174,641; published Apr. 24, 1923.

Soaps. Kendall Mfg. Co. 170,496; July 17; Serial No. 170,487; published Apr. 24, 1923.

Soaps. Lawrence Soap Co. 170,652; July 17; Serial No. 169,366; published Apr. 24, 1923.

Soaps. Wolf Creek Soap Works Company. 170,666; July 17; Serial No. 157,744; published Apr. 24, 1923.

Soaps, body wash, floor cleanser, glass polish, metal polish, etc. Kermul Products, Inc. 170,563; July 17; Serial No. 173,968; published Apr. 24, 1923.

Washing fluid. F. Cicetti. 170,630; July 17; Serial No. 174,725; published Apr. 24, 1923.

CLASS 5.

Casting of metals, Pressed cereal binder and a paste for forming core compounds used in the. D. F. McGrory. 170,420; July 17; Serial No. 172,952; published Apr. 10, 1923.

CLASS 6.

Batteries, Electrolyte compound for storage. C. E. Lurg. 170,429; July 17; Serial No. 171,933; published Apr. 10, 1923.

Blood maker and general tonic. Modern Pharmacal Co. 170,453; July 17; Serial No. 172,283; published Apr. 10, 1923.

Blue, Ultramarine. Standard Ultramarine Co. 170,390; July 17; Serial No. 170,905; published Apr. 10, 1923.

Bluing compound and a liquid bluing. K. H. Wall. 170,422; July 17; Serial No. 172,697; published Apr. 10, 1923.

Clay for facial treatment. Aladdin Mystic Beauty Company. 170,459; July 17; Serial No. 172,572; published Apr. 10, 1923.

Compound for opening clogged pipes, traps, drains, etc. White House Products Co. 170,454; July 17; Serial No. 172,305; published Apr. 10, 1923.

Compound for treating influenza, grippe, etc. J. T. Mason. 170,607; July 17; Serial No. 174,317; published Apr. 24, 1923.

Cough lozenges. E. Kehr. 170,393; July 17; Serial No. 171,326; published Apr. 10, 1923.

Cough mixture. Squire and Co. Birmingham Limited. 170,513; July 17; Serial No. 172,776; published Apr. 17, 1923.

Dyes and dyestuffs. H. A. Metz & Co. 170,413; July 17; Serial No. 173,238; published Apr. 10, 1923.

Electric bulbs, Compound for coloring. McKay Company. 170,372; July 17; Serial No. 174,090; published Apr. 10, 1923.

Gum, Laxative chewing. Health Products Corporation. 170,434; July 17; Serial No. 171,732; published Apr. 10, 1923.

Hair growers, tetter salve, face cream, etc. Mme. Bertha M. Hicks Manufacturing Co. 170,394; July 17; Serial No. 171,365; published Apr. 3, 1923.

Hair tonic. A. E. Glickman. 170,500; July 17; Serial No. 171,017; published Apr. 17, 1923.

Hair tonics. Hygienic Laboratories. 170,363; July 17; Serial No. 173,932; published Apr. 10, 1923.

Insecticide and mothproofing composition. Process Chemicals Incorporated. 170,656; July 17; Serial No. 168,489; published Apr. 17, 1923.

Massage for the face and body. L. Philippe. 170,385; July 17; Serial No. 170,542; published Apr. 10, 1923.

Medicinal compound for promoting calcification. J. H. Holm. 170,402; July 17; Serial No. 171,539; published Apr. 10, 1923.

Medicinal preparation for an aid to nature in lung affections, coughs, etc. American Chemical & Drug Co. 170,431; July 17; Serial No. 171,889; published Apr. 10, 1923.

Medicinal preparations for the treatment of glandular deficiency. G. W. Carrick Co. 170,415; July 17; Serial No. 173,127; published Apr. 10, 1923.

Medicine for sore throat, influenza, etc. W. V. Pateychuk. 170,414; July 17; Serial No. 173,206; published Apr. 10, 1923.

Metals, Compound for the desulphurization and deoxidation of molten. W. A. Rosenberger. 170,424; July 17; Serial No. 172,059; published Apr. 10, 1923.

Nasal solution, douche therefor, and a package containing both. Rosebrand Co. 170,418; July 17; Serial No. 173,008; published Apr. 10, 1923.

Ointment for treatment of rheumatism, sprains, etc. H. C. Fronk. 170,543; July 17; Serial No. 173,281; published May 1, 1923.

Perfume or toilet water, etc., Bottles, vials, packages, or cases containing. Harlequin Parfumerie Compagnie. 170,490; July 17; Serial No. 171,167; published Apr. 17, 1923.

Perfumes, Oils and materials for the production of. Polak's Frutal Works. 170,450; July 17; Serial No. 172,240; published Apr. 10, 1923.

Petroleum combined with hypophosphites, Emulsion of. R. E. O'Rear. 170,426; July 17; Serial No. 172,051; published Apr. 10, 1923.

Powder, Toilet. M. Sullivan. 170,570; July 17; Serial No. 164,677; published Oct. 10, 1922.

Powder used as water softener. Dakota Compound Company. 170,440; July 17; Serial No. 172,084; published Apr. 10, 1923.

Preparation for influenza. Mrs. L. A. Blackburn. 170,364; July 17; Serial No. 173,952; published Apr. 10, 1923.

Preparation for the treatment of pneumonia. E. A. Morgan. 170,398; July 17; Serial No. 171,507; published Apr. 10, 1923.

Prophylactics for the prevention of sexual diseases. Retailers' Manufacturing Corporation. 170,427; July 17; Serial No. 172,014; published Apr. 10, 1923.

Salve for burns, wounds, etc. A. J. Krank Mfg. Co. 170,417; July 17; Serial No. 173,050; published Apr. 10, 1923.

Shampoo. Concentrated Products Corporation. 170,412; July 17; Serial No. 173,323; published Apr. 10, 1923.

Shampoo. Hygienic Laboratories. 170,362; July 17; Serial No. 173,931; published Apr. 10, 1923.

Suppositories. Drug Products Co. 170,368; July 17; Serial No. 173,999; published Apr. 10, 1923.

Toilet preparation. Lowell Company. 170,462-3; July 17; Serial Nos. 157,375-6; published Apr. 10, 1923.

Tonic in the treatment of the weaknesses and disorders of the female generative organs. Modern Pharmacal Co. 170,452; July 17; Serial No. 172,282; published Apr. 10, 1923.

Vermifuge to be used in the treatment of live stock. Welch & Marker. 170,425; July 17; Serial No. 172,022; published Apr. 10, 1923.

CLASS 7.

Rope. Tubbs Cordage Company. 170,595; July 17; Serial No. 143,108; published June 21, 1921.

Rope. Tubbs Cordage Company. 170,596; July 17; Serial No. 143,106; published June 21, 1921.

Rope. Whitlock Cordage Co. 170,548; July 17; Serial No. 173,265; published Mar. 20, 1923.

Rope. Istle. Hooven & Allison Company. 170,599; July 17; Serial No. 117,597; published Dec. 30, 1919.

Rope, Manila. Tubbs Cordage Company. 170,686; July 17.

Rope, twine, cables, commercial twines, clotheslines. Johnson Pickett Rope Co. 170,571-2; July 17; Serial Nos. 164,920-1; published Apr. 17, 1923.

CLASS 8.

Pipes, Tobacco. Delacour Bros. Ltd. 170,612-15; July 17; Serial Nos. 176,723-6; published Apr. 24, 1923.

Pipes, Tobacco. Delacour Bros. Ltd. 170,623-4; July 17; Serial Nos. 176,727-8; published Apr. 24, 1923.

CLASS 9.

Matches. Diamond Match Company. 170,565-6; July 17; Serial Nos. 158,822-3; published Apr. 17, 1923.
Matches. Diamond Match Company. 170,617-20; July 17; Serial Nos. 177,075-8; published Apr. 17, 1923.

CLASS 10.

Fertilizer. American Agricultural Chemical Company. 170,622; July 17; Serial No. 176,868; published Apr. 17, 1923.
Gas-generating means. S. P. Wetherill, jr. 170,498; July 17; Serial No. 170,848; published Apr. 17, 1923.

CLASS 12.

Lime. Kimbalton Lime Company. 170,497; July 17; Serial No. 170,822; published Apr. 17, 1923.
Partitions in buildings, for doors, wardrobes, and the like, Wood rolling. J. W. Monroe. 170,574; July 17; Serial No. 166,705; published Apr. 17, 1923.
Wall or plaster board. S. A. Blair. 170,522; July 17; Serial No. 174,723; published Apr. 17, 1923.

CLASS 13.

Belt fasteners. Flexible Steel Lacing Company. 170,470; July 17; Serial No. 167,870; published Apr. 17, 1923.
Container holders, Beverage. R. G. Mitchell. 170,464; July 17; Serial No. 161,733; published Apr. 17, 1923.
Ovens, Dutch. Griswold Manufacturing Company. 170,475; July 17; Serial No. 172,156; published Apr. 17, 1923.
Tank floats, Vacuum. J. H. Cohen. 170,469; July 17; Serial No. 167,840; published Apr. 17, 1923.

CLASS 14.

Alloy, Nickel and manganese. Henry Wiggin & Company Limited. 170,517; July 17; Serial No. 172,707; published Apr. 17, 1923.
Alloy, Nickel-chrome. Henry Wiggin & Company Limited. 170,480-1; July 17; Serial Nos. 172,704-5; published Apr. 17, 1923.
Alloys, Metallic soldering. S. Pfyffer. 170,416; July 17; Serial No. 173,053; published Apr. 17, 1923.
Metals used for electrical purposes. Henry Wiggin & Company Limited. 170,478; July 17; Serial No. 172,702; published Apr. 17, 1923.
Nickel and alloys of nickel. Henry Wiggins & Company Limited. 170,477; July 17; Serial No. 172,701; published Apr. 17, 1923.
Nickel steel. Henry Wiggin & Company Limited. 170,479; July 17; Serial No. 172,703; published Apr. 17, 1923.
Wire, Base-metal. Page Steel & Wire Company. 170,465; July 17; Serial No. 162,646; published Apr. 17, 1923.

CLASS 15.

Gasoline. Standard Oil Company. 170,461; July 17; Serial No. 172,691; published Apr. 3, 1923.
Gasoline and lubricating oils. H. Bunge. 170,643; July 17; Serial No. 176,064; published Apr. 17, 1923.
Oils and greases, gasoline, motor spirit, etc., Lubricating. Petroleum Products Co. 170,561; July 17; Serial No. 173,904; published Apr. 17, 1923.
Oils, greases, compounds, etc., Lubricating. Indian Refining Company. 170,460; July 17; Serial No. 172,596; published Apr. 10, 1923.
Oils, Lubricating. American Oil Corporation. 170,531; July 17; Serial No. 174,277; published Mar. 27, 1923.
Oils, Lubricating. Wadhams Oil Company. 170,684; July 17.

CLASS 16.

Enamels, Paint. Frank Bownes Company. 170,609; July 17; Serial No. 176,396; published Apr. 17, 1923.
Finishing and polishing materials in the nature of a varnish. Sheratone Products Corporation. 170,555; July 17; Serial No. 173,678; published Apr. 17, 1923.
Hydrocarbon black. United Oil & Natural Gas Products Corporation. 170,445; July 17; Serial No. 172,133; published Apr. 10, 1923.
Oil used in making high-gloss varnish. F. E. Booth Co. 170,578; July 17; Serial No. 167,553; published Apr. 17, 1923.
Paints and varnishes. Oliver Reeder & Son, Inc. 170,510; July 17; Serial No. 173,006; published Apr. 17, 1923.
Paints and varnishes. St. Louis Surfacor & Paint Company. 170,514; July 17; Serial No. 172,777; published Apr. 17, 1923.
Paints, enamels, etc., Preparations used in the manufacture of floor. Keystone Varnish Company. 170,610; July 17; Serial No. 176,351; published Apr. 17, 1923.
Paints, house paints, paint enamels, etc., Ready-mixed. Kolbe Paint Company. 170,632; July 17; Serial No. 175,358; published Apr. 17, 1923.
Paints, paint enamels, japans, etc. Sherwin-Williams Company. 170,537; July 17; Serial No. 174,413; published Apr. 17, 1923.
Whiting. Taintor Company. 170,626; July 17; Serial No. 175,171; published Apr. 17, 1923.

CLASS 17.

Cigars. Swint, Davis & Davis. 170,457; July 17; Serial No. 172,362; published Apr. 10, 1923.
Cigars, cigarettes, smoking tobacco. Lilly, Dungan & Company. 170,693; July 17.
Tobacco, Smoking. Charles B. Perkins Co. 170,367; July 17; Serial No. 173,980; published Apr. 10, 1923.

CLASS 19.

Bicycles, tricycles, motor trucks, etc. Humber Limited. 170,590; July 17; Serial No. 154,513; published Apr. 24, 1923.
Carriages and gocarats, Baby. Heywood-Wakefield Company. 170,397; July 17; Serial No. 171,458; published Apr. 10, 1923.
Carriages, Baby. Westfield Manufacturing Company. 170,501; July 17; Serial No. 171,051; published Apr. 17, 1923.
Cars, Motor. Lincoln Motor Company. 170,692; July 17.
Fender braces. Wichita Fender Brace Company. 170,694; July 17.
Trucks and automobiles, Motor. Graham Brothers. 170,489; July 17; Serial No. 172,272; published May 1, 1923.
Trucks, Floor. W. M. Nutting. 170,547; July 17; Serial No. 173,240; published Apr. 17, 1923.
Vehicle rear-view mirrors, windshield wings, etc. Kokomo Automotive Mfg. Co. 170,689; July 17.
Wind screens for use with vehicles. Easting Windcreens Limited. 170,493; July 17; Serial No. 171,987; published Apr. 24, 1923.

CLASS 21.

Batteries, Storage. G. M. Biehl. 170,575; July 17; Serial No. 167,347; published Apr. 3, 1923.
Electrical wires, Protective covering for. Tubular Woven Fabric Company. 170,391; July 17; Serial No. 170,913; published Apr. 3, 1923.
Radio equipment. R. E. Goll. 170,380; July 17; Serial No. 174,388; published Apr. 3, 1923.
Vacuum tubes. Electrad Corporation of America. 170,366; July 17; Serial No. 173,960; published Apr. 3, 1923.

CLASS 22.

Balls, Golf. Manhattan Photo Supply Co. 170,685; July 17.
Cards, Playing. Aiken & Aiken. 170,371; July 17; Serial No. 174,056; published Apr. 10, 1923.
Game, Board. Parker Brothers. 170,419; July 17; Serial No. 172,955; published Apr. 10, 1923.
Game played with cards, Parlor. Parker Brothers. 170,375; July 17; Serial No. 174,330; published Apr. 10, 1923.
Toy dolls. C. Ewald. 170,377; July 17; Serial No. 174,386; published Apr. 10, 1923.
Toy rubber balls, Inflated. Radio Ball Company. 170,492; July 17; Serial No. 171,815; published Feb. 6, 1923.
Toy wagons. A. O. Cannon. 170,370; July 17; Serial No. 174,053; published Apr. 10, 1923.

CLASS 23.

Hammers, hatchets, shovels, screw drivers, and chisels. B. Lurye. 170,474; July 17; Serial No. 171,226; published Apr. 17, 1923.
Pump outfits, parts, and fittings thereof. Cleveland Steel Barrel Company. 170,472; July 17; Serial No. 171,063; published Apr. 17, 1923.
Tillers. Scientific Farming Machinery Company. 170,437; July 17; Serial No. 171,660; published Mar. 13, 1923.
Tools, agricultural implements, Carpenters'. Markt & Hammacher Company. 170,476; July 17; Serial No. 172,233; published Apr. 17, 1923.
Tractors and attachments and parts thereof. International Harvester Company. 170,553; July 17; Serial No. 173,649; published Apr. 17, 1923.
Valves, Poppet. Toledo Steel Products Co. 170,471; July 17; Serial No. 168,991; published Apr. 17, 1923.

CLASS 28.

Pins, buckles, clasps, buttons, watch chains, neck chains, etc. William C. Greene Company. 170,455; July 17; Serial No. 172,331; published Apr. 3, 1923.
Thimbles, Sewing. Goldsmith, Stern & Co. 170,379; July 17; Serial No. 174,387; published Mar. 13, 1923.

CLASS 29.

Mops and mop handles. W. H. Fisher. 170,644; July 17; Serial No. 175,855; published Apr. 17, 1923.

CLASS 31.

Chest, Cooling. Keynote Manufacturing Co. 170,473; July 17; Serial No. 171,086; published Apr. 10, 1923.
Fluids, Material for arresting and separating impurities or other matter from. Celite Products Company. 170,594; July 17; Serial No. 146,755; published Apr. 17, 1923.

CLASS 32.

Mattresses, pillows, bolsters, cashions. Robinson-Rodgers Co. 170,597; July 17; Serial No. 136,604; published Apr. 24, 1923.

Spring beds, mattresses, cots, and metal bedsteads. Southern Spring Bed Company. 170,559; July 17; Serial No. 173,859; published Apr. 24, 1923.

CLASS 33.

Glass plates, bowls, nappies, jars, jugs, pitchers, etc. Jeannette Glass Company. 170,451; July 17; Serial No. 172,277; published Apr. 3, 1923.

Glass teapots. Corning Glass Works. 170,395; July 17; Serial No. 171,413; published Apr. 10, 1923.

Glass, Window. Mountain State Glass Co. 170,616; July 17; Serial No. 177,139; published Apr. 17, 1923.

CLASS 35.

Automobile fan belts. Teuscher & Son Machinery Supply Co. 170,688; July 17.

Automobile transmissions, Lining for. Standard Motor Parts Company. 170,631; July 17; Serial No. 175,413; published Apr. 24, 1923.

Inner-tube repair patches. J. J. Fuchs. 170,601; July 17; Serial No. 132,601; published Apr. 17, 1923.

Tire casings, Automobile. Cord Tire Corporation. 170,660; July 17; Serial No. 167,712; published Apr. 17, 1923.

Tires and inner tubes. L. L. Chadwin. 170,487; July 17; Serial No. 172,512; published Apr. 24, 1923.

Tires and inner tubes. George Spencer, Moulton & Co. Ltd. 170,593; July 17; Serial No. 151,299; published Apr. 24, 1923.

Tires and inner tubes, Rubber. Mid-Continent Tire Manufacturing Company. 170,600; July 17; Serial No. 118,089; published Apr. 24, 1923.

Tires, inner tubes, etc., Vehicle. Ideal Tire and Rubber Company. 170,588; July 17; Serial No. 155,968; published Apr. 1, 1923.

Tires, Rubber. Fisk Rubber Company. 170,546; July 17; Serial No. 173,186; published Apr. 24, 1923.

Tires, Solid and pneumatic rubber and fabric. Miller Rubber Company. 170,629; July 17; Serial No. 174,791; published Apr. 24, 1923.

Tires, tubes, patches, hose, etc. Stanley Glidden Co. 170,687; July 17.

CLASS 36.

Phonograph needles or styli. S. Wilensky. 170,530; July 17; Serial No. 174,225; published Feb. 20, 1923.

Violins and similar musical instruments, Strings for. Simson & Frey, Inc. 170,458; July 17; Serial No. 172,561; published Apr. 3, 1923.

CLASS 37.

Bread wrappers. Potter-Wrightington, Inc. 170,466; July 17; Serial No. 164,187; published Apr. 10, 1923.

Paper, Blotting. Standard Paper Manufacturing Co. 170,523; July 17; Serial No. 174,704; published Apr. 17, 1923.

Paper, Blotting. Standard Paper Manufacturing Co. 170,525; July 17; Serial No. 174,703; published Apr. 17, 1923.

Paper tablets, composition and blank books, pads, paper-teries, etc. Aller Brothers. 170,638; July 17; Serial No. 175,539; published Apr. 17, 1923.

Paper, Writing. Hawthorne Paper Company. 170,586; July 17; Serial No. 156,447; published Apr. 17, 1923.

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,503; July 17; Serial No. 173,122; published Apr. 17, 1923.

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,504; July 17; Serial No. 173,116; published Apr. 17, 1923.

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,505-6; July 17; Serial Nos. 173,120-1; published Apr. 17, 1923.

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,512; July 17; Serial No. 173,114; published Apr. 17, 1923.

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,635; July 17; Serial No. 175,827; published Apr. 17, 1923.

Pencils, Lead and paper crayon. United States Pencil Co. 170,467; July 17; Serial No. 166,334; published Apr. 10, 1923.

Photographic mountings. California Card Manufacturing Co. 170,633; July 17; Serial No. 175,340; published Apr. 17, 1923.

Wrapping, packing, and lining merchandise, etc., Material for use in. Safepack Mills. 170,598; July 17; Serial No. 115,189; published Sept. 16, 1919.

CLASS 38.

Cards and educational posters, Advertising. American Banking Machine Corporation. 170,608; July 17; Serial No. 173,948; published Apr. 24, 1923.

Cartoon title. Public Ledger Company. 170,682; July 17; Serial No. 172,900; published Apr. 24, 1923.

Cartoons, advertising cartoons, and illustrations. International Association of Machinists. 170,544; July 17; Serial No. 158,121; published Apr. 24, 1923.

Cartoons and illustrations used for advertising purposes. B. Reese. 170,681; July 17; Serial No. 173,209; published Apr. 24, 1923.

Catalogue section. T. W. Wood & Sons. 170,606; July 17; Serial No. 174,682; published Apr. 24, 1923.

Index and sales-data book, Combination. A. G. McMillan. 170,532; July 17; Serial No. 174,318; published Apr. 24, 1923.

Magazine, Monthly. Lurie Company. 170,671; July 17; Serial No. 167,471; published Apr. 24, 1923.

Magazine, Monthly. Northman Publishing Company. 170,675; July 17; Serial No. 171,380; published Apr. 24, 1923.

Magazine, Monthly. Radio Publishing Corporation. 170,679; July 17; Serial No. 168,729; published Apr. 24, 1923.

Periodical, Section of a monthly. B. C. Bost. 170,562; July 17; Serial No. 173,910; published Apr. 17, 1923.

Publication, Monthly. Fletcher American Company. 170,668; July 17; Serial No. 158,676; published Apr. 24, 1923.

Publication page. Toledo Scale Company. 170,373; July 17; Serial No. 174,115; published Apr. 17, 1923.

CLASS 39.

Baby pants or diaper covers. S. H. Shoninger. 170,568; July 17; Serial No. 163,709; published Oct. 24, 1922.

Belts, Apparel. Harris Suspender Company. 170,421; July 17; Serial No. 172,944; published Apr. 3, 1923.

Boots and shoes, Leather. S. Alexander. 170,486; July 17; Serial No. 172,410; published Apr. 17, 1923.

Caps, Boys' and men's. S. M. Blumenfeld. 170,365; July 17; Serial No. 173,953; published Apr. 3, 1923.

Corsets and brassieres. Camlin Corset Co. 170,386; July 17; Serial No. 170,620; published Apr. 10, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 170,403; July 17; Serial No. 173,475; published Apr. 10, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 170,404-5; July 17; Serial Nos. 173,472-3; published Apr. 10, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 170,406; July 17; Serial No. 173,470; published Apr. 10, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 170,407-9; July 17; Serial Nos. 173,466-8; published Apr. 10, 1923.

Gloves, Men's leather. John Wanamaker, New York. 170,438-9; July 17; Serial Nos. 171,601-2; published Apr. 10, 1923.

Hat frames. Capital Hat Frame Works. 170,389; July 17; Serial No. 170,807; published Apr. 3, 1923.

Hats and caps. Disney Hats. 170,392; July 17; Serial No. 171,209; published Apr. 3, 1923.

Hats and caps, Men's felt, straw, cloth, and silk. Hanover-Hall Company. 170,381; July 17; Serial No. 174,389; published Apr. 3, 1923.

Hats, Misses' and ladies'. C-R Millinery Co. 170,432; July 17; Serial No. 171,905; published Apr. 10, 1923.

Rubber boots and shoes and arctic overshoes. Goodyear Rubber Company. 170,611; July 17; Serial No. 176,338; published Apr. 17, 1923.

Shoes. Curtis & Jones Company. 170,396; July 17; Serial No. 171,414; published Apr. 10, 1923.

Shoes. Melville Shoe Corporation. 170,435; July 17; Serial No. 171,704; published Apr. 10, 1923.

Shoes, Dress and sport. Whitehouse & Hardy, Inc. 170,428; July 17; Serial No. 171,972; published Apr. 10, 1923.

Shoes, insoles, and outer soles. Allen-Spiegel Shoe Mfg. Co. 170,399; July 17; Serial No. 171,519; published Apr. 10, 1923.

Shoes, Leather. T. D. Barry Company. 170,410; July 17; Serial No. 173,460; published Apr. 3, 1923.

Shoes, Leather. Edmonds Shoe Company. 170,540; July 17; Serial No. 174,514; published Apr. 17, 1923.

Shoes, Leather. Melanson Shoe Company. 170,625; July 17; Serial No. 175,259; published Apr. 17, 1923.

Shoes, Leather and fabric. L. L. Kann. 170,411; July 17; Serial No. 173,426; published Apr. 3, 1923.

Shoes made of leather. Lederer & Latz. 170,387; July 17; Serial No. 170,655; published Apr. 3, 1923.

CLASS 40.

Laces, Shoe and corset. Hutmacher Braiding Company. 170,585; July 17; Serial No. 156,789; published Apr. 24, 1923.

Lacings, gallions, braids, etc., Shoe and other. Walker Webbing Co. 170,587; July 17; Serial No. 156,125; published Apr. 24, 1923.

Needlwork, Art. T. Buettner & Co. 170,645; July 17; Serial No. 170,270; published Apr. 24, 1923.

Ribbon novelties or trims. R. C. Taft. 170,646; July 17; Serial No. 170,164; published Apr. 24, 1923.

Tape, pins, hair curlers, etc., Lingerie. Samstag & Hilder Bros. 170,494; July 17; Serial No. 172,060; published Apr. 24, 1923.

CLASS 42.

Blankets. Woolen football. James W. Brine Company. 170,519; July 17; Serial No. 172,728; published Apr. 17, 1923.
 Carpets. Textile. Aetna Carpet Co. 170,539; July 17; Serial No. 174,504; published Apr. 17, 1923.
 Cotton piece goods. Weiner Brothers, Inc. 170,541; July 17; Serial No. 174,550; published Apr. 17, 1923.
 Cotton, silk and cotton, linen, etc., piece goods. Richardson Dry Goods Co. 170,456; July 17; Serial No. 172,351; published Apr. 10, 1923.
 Fabrics in the piece. Pile. Sidney Blumenthal & Co. Inc. 170,636; July 17; Serial No. 175,767; published Apr. 17, 1923.
 Lace edgings in the piece. Marvello Lace Company. 170,661; July 17; Serial No. 168,220; published Apr. 24, 1923.
 Sheetings and cloths in bolts. Cotton. George W. Kavanaugh, Inc. 170,602; July 17; Serial No. 134,825; published Feb. 14, 1923.
 Silk piece goods. H. R. Mallinson & Co. 170,502; July 17; Serial No. 173,139; published Apr. 24, 1923.
 Silk piece goods. H. R. Mallinson & Co. 170,527; July 17; Serial No. 174,020; published Apr. 17, 1923.
 Upholstery and drapery fabrics. Henry Goldthorp Company. 170,650; July 17; Serial No. 170,063; published Apr. 17, 1923.
 Woolen fabrics in the piece. American Uniform Company. 170,651; July 17; Serial No. 170,115; published Apr. 24, 1923.
 Woolen piece goods. Forstmann & Huffmann Company. 170,633; July 17; Serial No. 169,441; published Apr. 24, 1923.

CLASS 43.

Knitting wool. James Templeton & Son, Ltd. 170,628; July 17; Serial No. 174,870; published Apr. 17, 1923.
 Yarn. Wm. H. Horstmann Company. 170,621; July 17; Serial No. 176,999; published Apr. 17, 1923.

CLASS 44.

Antiseptic dressings and absorbent and medicated cottons and gauzes, and bandages. Deane Plaster Co. 170,634; July 17; Serial No. 175,307; published Apr. 17, 1923.
 Applicators for the lips. A. and G. Co. 170,485; July 17; Serial No. 172,409; published Apr. 17, 1923.
 Dental crowns. Central Dental Laboratory Co. 170,378; July 17; Serial No. 174,356; published Apr. 10, 1923.
 Sanitary-napkin holders. S. A. Harrison. 170,639; July 17; Serial No. 175,491; published Apr. 17, 1923.
 Sanitary napkins. R. W. Naylor. 170,526; July 17; Serial No. 174,620; published Apr. 24, 1923.
 Shields. Hand. W. C. Seitz. 170,683; July 7.
 Sprayers for medicinal use. Ostra Corporation. 170,509; July 17; Serial No. 172,954; published Apr. 17, 1923.

CLASS 45.

Beverage sold as a soft drink and sirups for making the same. Hurty-Peck & Co. 170,369; July 17; Serial No. 174,011; published Apr. 10, 1923.
 Beverages sold as soft drinks. Combier & Cie. 170,374; July 17; Serial No. 174,166; published Apr. 10, 1923.
 Beverages sold as soft drinks and sirups for making the same. Sand Springs Bottling Co. 170,376; July 10; Serial No. 174,339; published Apr. 10, 1923.

CLASS 46.

Apples, dehydrated. Washington Dehydrated Food Co. 170,508; July 17; Serial No. 172,919; published Apr. 17, 1923.
 Biscuits. Bishop & Company. 170,663; July 17; Serial No. 134,455; published Aug. 24, 1922.
 Bread. Zinsmaster Baking Company. 170,542; July 17; Serial No. 136,822; published May 24, 1921.
 Candies. King Candy Co. 170,382; July 17; Serial No. 172,113; published Apr. 10, 1923.
 Candies. Pacific Coast Biscuit Company. 170,443; July 17; Serial No. 172,119; published Apr. 10, 1923.
 Candy. Ambrosia Chocolate Co. 170,430; July 17; Serial No. 171,887; published Apr. 10, 1923.
 Candy. F. L. Berg. 170,549; July 17; Serial No. 173,289; published Apr. 24, 1923.
 Candy. Brecht Candy Company. 170,448; July 10; Serial No. 172,199; published Apr. 10, 1923.
 Candy. George Close Co. 170,483; July 17; Serial No. 172,517; published Apr. 17, 1923.
 Candy. George Close Co. 170,488; July 17; Serial No. 172,516; published Apr. 17, 1923.
 Candy. Halligan Candy Company. 170,511; July 17; Serial No. 173,043; published Apr. 17, 1923.
 Candy. A. G. Morse Company. 170,551; July 17; Serial No. 173,438; published Apr. 24, 1923.
 Candy. New England Confectionery Company. 170,589; July 17; Serial No. 154,839; published Apr. 17, 1923.
 Candy. New England Confectionery Company. 170,591; July 17; Serial No. 154,820; published Apr. 17, 1923.
 Candy and peppermint lozenges. Sally Mint Company. 170,658; July 17; Serial No. 169,185; published Apr. 24, 1923.
 Canned baked beans with pork. Ehmann Olive Company. 170,662; July 17; Serial No. 168,359; published Apr. 24, 1923.

Canned cherries. Hood River Canning Co. 170,442; July 17; Serial No. 172,093; published Apr. 10, 1923.
 Canned fruits. Thomas-Body Co. 170,558; July 17; Serial No. 173,792; published Apr. 24, 1923.
 Canned fruits. Virden Packing Company. 170,423; July 17; Serial No. 172,068; published Apr. 10, 1923.
 Canned fruits and berries. Producers Canning & Packing Co. 170,384; July 17; Serial No. 171,550; published Apr. 10, 1923.
 Canned fruits and vegetables. Fillice & Perrelli Canning Co. 170,401; July 17; Serial No. 171,534; published Apr. 10, 1923.
 Canned fruits and vegetables. John W. McCarthy, Jr., Inc. 170,567; July 17; Serial No. 163,341; published Apr. 17, 1923.
 Canned fruits and vegetables. F. B. Neuhoff. 170,433; July 17; Serial No. 171,860; published Apr. 10, 1923.
 Canned fruits and vegetables. F. B. Neuhoff. 170,554; July 17; Serial No. 173,657; published Apr. 24, 1923.
 Canned fruits, vegetables, and fish. Mailliard & Schmiedell. 170,447; July 17; Serial No. 172,232; published Apr. 10, 1923.
 Canned fruits, vegetables, and fish. United States Products Corporation. 170,655; July 17; Serial No. 168,391; published Apr. 17, 1923.
 Canned lobster and tropical fruits. H. S. Carmichael. 170,592; July 17; Serial No. 148,126; published Oct. 31.
 Canned preserved fruits, jams, jellies, and fruit sirups. San Francisco Breweries, Ltd. 170,576; July 17; Serial No. 167,368; published Apr. 24, 1923.
 Canned salmon. A. A. Anderson. 170,515; July 17; Serial No. 172,821; published Apr. 17, 1923.
 Canned vegetables. Ephraim Sanitary Canning Company. 170,654; July 17; Serial No. 169,477; published Apr. 17, 1923.
 Cantaloupes. J. T. John Company. 170,579; July 17; Serial No. 167,569; published Apr. 24, 1923.
 Cheese. W. Faehndrich. 170,665; July 17; Serial No. 147,720; published Jan. 10, 1922.
 Chocolate. G. M. Cabrera. 170,657; July 17; Serial No. 168,511; published Apr. 17, 1923.
 Chocolates and candies. E. Greenfield Sons. 170,495; July 17; Serial No. 170,381; published Apr. 24, 1923.
 Codfish, Boneless salt. Deep Sea Fisheries, Inc. 170,441; July 17; Serial No. 172,085; published Apr. 10, 1923.
 Coffee. G. Gund. 170,484; July 17; Serial No. 172,529; published Apr. 17, 1923.
 Coffee. Rockford Wholesale Grocery Co. 170,647; July 17; Serial No. 169,563; published Apr. 17, 1923.
 Coffee. Schon, Stevenson & Company. 170,383; July 17; Serial No. 171,595; published Apr. 10, 1923.
 Coffee, rice, and evaporated milk. H. P. Lau Co. 170,667; July 17; Serial No. 158,320; published Oct. 3, 1922.
 Drink. Malted chocolate milk. Weber Milk Company. 170,573; July 17; Serial No. 165,320; published Apr. 17, 1923.
 Flour, Wheat. Mauser Mill Company. 170,664; July 17; Serial No. 143,771; published Feb. 13, 1923.
 Fruits and vegetables, Fresh. Illinois Fruit Exchange. 170,581; July 17; Serial No. 167,641; published Apr. 24, 1923.
 Fruits and vegetables, Fresh deciduous. T. S. Smith. 170,529; July 17; Serial No. 174,038; published Apr. 24, 1923.
 Fruits, Fresh citrous. Arizona Citrus Growers' Co. 170,516; July 17; Serial No. 172,857; published Apr. 17, 1923.
 Ice cream. Goodman American Ice Cream Company. 170,648; July 17; Serial No. 169,710; published Apr. 17, 1923.
 Ice-cream cones made of milk chocolate. H. L. Scott. 170,649; July 17; Serial No. 170,043; published Apr. 24, 1923.
 Jellies, caramel toffees, and other boiler-sugar goods. Walter Robertson & Son, Ltd. 170,582; July 17; Serial No. 167,690; published Apr. 24, 1923.
 Macaroni and olive oil. Kurtz Brothers. 170,468; July 17; Serial No. 167,002; published Apr. 17, 1923.
 Macaroni products, canned fruits, vegetables, and fish, evaporated milk, etc. Fontana Food Products Company. 170,507; July 17; Serial No. 172,872; published Apr. 17, 1923.
 Mayonnaise. Atmore and Son, Inc. 170,449; July 17; Serial No. 172,196; published Apr. 10, 1923.
 Minced meat. T. F. B. Sotham. 170,444; July 17; Serial No. 172,126; published Apr. 10, 1923.
 Oil for salads and cooking. American Cotton Oil Company. 170,400; July 17; Serial No. 171,520; published Apr. 10, 1923.
 Oil, Salad and cooking. H. E. Havens. 170,520; July 17; Serial No. 172,738; published Apr. 17, 1923.
 Oil, Salad vegetable. Reliable Importing Company. 170,446; July 17; Serial No. 172,174; published Apr. 10, 1923.
 Oleomargarine. Glidden Nut Butter Company. 170,669; July 17; Serial No. 159,506; published Feb. 13, 1923.
 Peanut butter, olives, mustard, chow relish. Walter J. Hirsch Co. 170,584; July 17; Serial No. 157,523; published Apr. 24, 1923.
 Peanut jam. Honey Products Co. 170,557; July 17; Serial No. 173,769; published Apr. 24, 1923.

Pickles. American Pickle & Canning Company. 170,518; July 17; Serial No. 172,716; published Apr. 17, 1923.
Shortening. Brown Orcola Company. 170,580; July 17; Serial No. 167,598; published Apr. 17, 1923.
Sirup, Malt. Primalt Products Co. 170,577; July 17; Serial No. 167,420; published Apr. 24, 1923.
Tapioera. Haas Baruch & Co. 170,491; July 17; Serial No. 171,317; published Apr. 24, 1923.
Tea. Joannes Bros. Co. 170,521; July 17; Serial No. 172,743; published Apr. 17, 1923.

Tonics, Medicinal. H. C. Brown. 170,552; July 17; Serial No. 173,589; published Apr. 17, 1923.
Tunny fish, tomatoes, tomato sauce, and paste, string beans, etc. Savoy Importing Co., Inc. 170,569; July 17; Serial No. 163,711; published Apr. 24, 1923.

CLASS 50.

Tags, Identification. D. Illrseh. 170,695; July 17.
Tents, tarpaulins, wagon covers, etc. Canvas Products Company. 170,690-1; July 17.

ALPHABETICAL LIST OF LABELS.

Aeroplane. For Sweeping Compound. A. W. Mendenhall & Company. 26,240; July 17.
Asma Relief. For Asthma, Hay Fever, Bronchial and Catarrhal Medicine. W. H. Goodridge. 26,226; July 17.
Chillipine Syrup. For a Compound for Coughs and Colds. B. & B. Chemical Company. 26,220; July 17.
Dr. Lawton's Automatic Waistline Reducer. For Surgical Appliances. T. Lawton. 26,236; July 17.
Eveready Radio "B" Battery. For Electric Batteries. National Carbon Company. 26,241; July 17.
Heller's Fancy-Pastry Dessert Powder. For Preparation for Use in Making Dessert. B. Heller & Company. 26,229; July 17.
Hemoglotone. For a Tonic. Bio-Medical Laboratories. 26,221; July 17.
Imperial Bay Rum. For Bay Rum. Imperial Perfumery and Barber's Supplies, Inc. 26,231; July 17.
Kiddies Filling. For Dental Filling Material. J. A. Williams, D. D. S. 26,248; July 17.
Kirk's Original Olive Cocoa Castile. For Soap. James S. Kirk & Company. 26,235; July 17.
Lucido's Quality. For Peas. Lucido Brothers Grocery Company. 26,238; July 17.
Meloine. For Preparation for Use in Improving Ice Cream and in Conditioning the Ice-Cream Mix. B. Heller & Company. 26,230; July 17.
Name. For Handkerchiefs. S. W. Magnus & Co. 26,239; July 17.
Narcissus Paper White. For a Box of Narcissus Bulbs. New Amsterdam Bulb Co. 26,242; July 17.

Neptune. For Table Salt. Haas, Baruch & Co. 26,227; July 17.
Parfait. For Powder Puffs. Hardy, Newman & Co. 26,228; July 17.
Peter-Pan. For Corn. Inderrieden Canning Co. 26,233; July 17.
Peter-Pan. For Peas. Inderrieden Canning Co. 26,232; July 17.
Play Balls. For Sponge-Rubber Balls. Faultless Rubber Company. 26,224; July 17.
Royal Muslin. For Muslin. Isser Reznik's Sons. 26,234; July 17.
Salem. For Pears. Northwest Fruit Products Company. 26,243; July 17.
Scout Notes. For Blank Notebooks and Memorandum Pads. H. J. Lichtenberger. July 17.
Seaside. For Gasoline. Seaside Oil Company. 26,245; July 17.
Southern Style Moist Sweetened Coconut. For Prepared Coconut. Franklin Baker Co. 26,225; July 17.
State Line. For Early June Peas. South Chicago Wholesale Grocery and Produce Company. 26,247; July 17.
Stormshield Liquid. The Roof that's Waterproof. For Protective Coatings for Roofs and the Like. F. I. Siegel & Son. 26,246; July 17.
"Toot Sweet" Marshmallow Fluff. For Marshmallow Fluff. Durkee-Mower & Co. 26,223; July 17.
Tropical Fruit. For Gum. Oakland Gum Company. 26,244; July 17.
White Circle. The Soap That Cleans So Clean. For Soap. J. Dietrich & Company. 26,222; July 17.

ALPHABETICAL LIST OF PRINTS.

Beauty That Lures. For Palmolive Soap. Palmolive Company. 6,827; July 17.
Could This Be You In These Hopelessly Old Style Clothes? For Papeteries. Eaton, Crane & Pike Company. 6,821; July 17.
Double-in Twist Cloth. For Clothing. Bonded Tailoring Co. 6,819; July 17.
Fit-Rite. For Shoe and Slipper Trees. James N. Mayhew Co. 6,823; July 17.
Flexible Bend Like Birch Boughs. For Shoes. Trail Moc Shoe Company. 6,828; July 17.

Lowney's Chocolates. For Chocolate Products, Including Particularly Lowney's Chocolates. Walter M. Lowney Company. 6,822; July 17.
N. For Batteries and Electrical Apparatus. D. Neal. 6,824; July 17.
Sunburn Hurts! Unguentine Heals! For Unguentine. Norwich Pharmacal Company. 6,825; July 17.
The Aristocrats of Credit Jewelers. For Jewelry and Silverware. Olsen & Ebann. 6,826; July 17.
Take One Home—Slice It! For Baffle Bar Candy. Cardinet Candy Company. 6,820; July 17.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Calfskins, Finished upper-leather. C. D. Brown & Co. 178,160-1; July 17.
Coal. Harrisburg Coal Mining Company. 176,624; July 17.
Coal. Reeves Coal and Dock Co. 164,194; July 17.
Hops. J. Sonnenschein Hop Company. 173,148; July 17.
Lamp shades of fibrous material. R. Beardsley. 174,997; July 17.
Leather. A. A. Williams. 178,421; July 17.
Logs. Delta Export Lumber Corporation. 178,497; July 17.
Packing pads. H. W. Selle & Co. 178,474; July 17.
Shell. E. H. Wardwell. 175,331; July 17.
Trees, plants, shrubs, and bushes. F. M. Edwards. 178,831; July 17.

CLASS 2.

Boxes. Superior Distributing Co. 173,340; July 17.
Boxes, Tobacco, cigar, and cigarette. Lebwohl & Mindich. 166,950; July 17.
Tanks, Septic. Keynote Manufacturing Co. 176,480; July 17.

CLASS 5.

Glue and gelatins. Röhm & Haas Aktiengesellschaft. 164,196; July 17.
Glue products. I. I. Slomon. 171,555; July 17.

CLASS 6.

Alcohol, skin cleanser, hair tonic, etc., Rubbing and massage. Mihalovitch Co. 178,267; July 17.
Aspirin. William A. Webster Company. 152,294; July 17.
Biotherapeutic and opotherapeutic products. A. B. Adams. 176,008; July 17.
Butter coloring. Dyestuffs & Chemicals. 176,790; July 17.
Chemical preparations. Deutsche Gold and Silber Scheideanstalt, vormals Roessler. 167,842; July 17.
Coloring and flavoring for food products, etc., Combined. B. Heller & Company. 174,304; July 17.
Cream and rouge, toilet water, etc., Facial. B. B. Forquer. 159,862; July 17.
Creams, face powder, rouges, etc., Cold and dry. M. C. Murphy. 168,426; July 17.
Creams for eczema, Healing. St. Firo Remedy Co. 143,464; July 17.
Dentifrice. M. W. Kent. 178,724; July 17.

CLASSIFIED LIST OF TRADE-MARK TITLES.

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PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Drying liquid composition of matter for rendering paper transparent. S. H. Parrish Company. 176,646; July 17.
 Glycerin. Proctor and Gamble Company. 177,998; July 17.
 Hair dressings, Liquid, cream, and pomade. G. M. Miller. 176,905; July 17.
 Hair grower. I. McKoin. 177,858; July 17.
 Hair tonics, shampoo jelly, face creams, etc. C. W. Price. 177,020; July 17.
 Insecticide for killing moths and carpet beetles. B. Heller & Company. 174,301; July 17.
 Insecticides. I. Hollander. 178,388; July 17.
 Laxative preparations. J. F. Hrejsa. 177,972; July 17.
 Medical preparation. Eli Lilly & Company. 159,212; July 17.
 Medicinal and laxative tablets. Tanner & Poindexter. 175,276; July 17.
 Medicinal preparation. Armour and Company. 178,702; July 17.
 Medicinal preparation. Blue Bird Remedy Co. 178,022; July 17.
 Medicine for rheumatism and backache. L. Kaletzky. 178,344; July 17.
 Medicine known as a blood purifier and body builder. W. F. Rett. 178,284; July 17.
 Moth-preventive compound. W. R. Griffin. 167,720; July 17.
 Ointment for nervous itching and a general healing ointment. J. D. Brown. 174,765; July 17.
 Perfumes, toilet waters, face powders, etc. Societe Anonyme Parfumerie Violet. 178,144; July 17.
 Pharmaceutical preparations. Medoc Distributing Company. 143,773; July 17.
 Physiological nutritive salts. J. F. Beerli. 177,894; July 17.
 Powder, Antiseptic foot. P. L. Tarara. 178,072; July 17.
 Powder, Foot. Odex Products Company. 178,767; July 17.
 Preparation for bathing and massaging. F. Bornn. 174,425; July 17.
 Preparation for the hair. Aktiengesellschaft für chemische Produkte, vormals H. Scheidemandel. 171,566; July 17.
 Preparation for the removal of dandruff and treatment of scalp and skin diseases. T. S. Williams. 179,636; July 17.
 Radioactive reconstituent. A. Gazzoni & C. 11 Gerente. 173,385; July 17.
 Remedy for the treatment of goiter. Reese Chemical Company. 178,359; July 17.
 Salt. Bevis Rock Salt Co. 176,109-11; July 17.
 Shampoo cream. M. B. Horner. 178,613; July 17.
 Tooth paste, mouth wash, gum massage, etc. Edral Company. 178,238; July 17.
 Yeast vitamine products. Northwestern Yeast Company. 177,318; July 17.

CLASS 9.

Shotguns. J. Stevens Arms Company. 159,189; July 17.

CLASS 12.

Brick, Fire and other. American Arch Company. 158,967; July 17.
 Cement and concrete blocks, bricks, and building units. R. E. White. 178,200; July 17.
 Floors and pavements, coating, mastics, etc., for same. Jennison-Wright Co. 131,736; July 17.
 Material, Composite. Continental Fibre Company. 174,236; July 17.
 Paper, tar felt, and asphalt shingles. Sheathing, etc. Highland Lake Paper Company. 178,611; July 17.
 Pavements and floors and materials therefor. Jennison-Wright Co. 131,735; July 17.
 Refractory linings for forges, smelters, etc., Refractory bricks, cements, etc. Vitrefrax Company. 170,416; July 17.
 Roofing materials. Oertel Roofing Manufacturing Company. 162,442; July 17.
 Roofing, Ready felt. Barrett Company. 168,508; July 17.
 Structural members. Bethlehem Fabricators, Inc. 167,795; July 17.

CLASS 15.

Fuels, Motor. F. J. Abbott. 180,406-8; July 17.
 Gasoline, kerosene, lubricating oils, petroleum distillate. Snowlone Holding Company. 180,248; July 17.
 Grease, Axle. Pure Oil Company. 178,133; July 17.
 Oil, Cylinder. Pure Oil Company. 178,121; July 17.
 Oil, Farm-machinery-lubricating. Pure Oil Company. 178,125; July 17.
 Oil for hand separators, Lubricating. Pure Oil Company. 178,123; July 17.
 Oil, Graphite farm-machinery. Pure Oil Company. 178,124; July 17.
 Oil, Hard. Pure Oil Company. 178,134; July 17.
 Oil, Petroleum. Standard Oil Company of New York. 172,242; July 17.

CLASS 16.

Carbon black. Godfrey L. Cabot, Inc. 176,065; July 17.
 Paint and paint enamel for furniture, Roofing. F. O. Schoedinger. 172,185; July 17.
 Paint, Boat. Westcott, Slade and Balcom Company. 178,647; July 17.
 Paint, Ready-mixed. American Asphalt Paint Co. 178,017; July 17.
 Paints, varnishes, paint enamels. C. Drabek. 165,858; July 17.
 Polish, Furniture and automobile. Larson-Sorahan Co. 177,563; July 17.

CLASS 17.

Cigars. John C. Herman & Company. 179,599; July 17.

CLASS 19.

Automobile accessories. Haines Manufacturing Corporation. 178,841; July 17.
 Automobile accessories, Fabric covers for. Atlas Specialty Manufacturing Company. 174,057; July 17.
 Automobile bodies, Commercial. Mifflinburg Body Company. 177,448; July 17.
 Automobiles and other vehicles, Grips for steering wheels of. W. F. Ridge. 174,261; July 17.
 Automobiles, Glass curtain lights and frames for. E. W. Hornung. 169,904; July 17.
 Automobiles, Hydraulic shock absorbers for. Lovejoy Manufacturing Company. 177,090-1; July 17.
 Bumpers. C. G. Spring Company. 179,705-7; July 17.
 Cars, Motor. Ford Motor Company. 170,014; July 17.
 Engines, Radiator shutters for internal-combustion. Irving Engineering-Sales Co. 167,722; July 17.
 Motor cycles and bicycles. Excelsior Motor Mfg. and Supply Co. 167,718; July 17.
 Rowboats, Sheet-metal sectional. Alfred C. Goethel Co. 176,617; July 17.
 Spring covers and grease boots. David Feinberg Company. 177,286; July 17.
 Trucks, Pie, cooky, and bread rack, proof-box, etc. Union Steel Products Company. 178,008; July 17.
 Vehicles and parts thereof. Metal disk for motor. Wire Wheel Corporation of America. 178,793; July 17.
 Vehicles, Used and secondhand motor. Sterrett & Fleming, Incorporated. 176,369; July 17.
 Wheels of automobiles and industrial-cars. Ellis Resilient Wheel Corporation. 178,239; July 17.

CLASS 22.

Bats, Baseball. Hillerich & Bradsby Co. 180,430; July 17.
 Game, Alderman, Fairchild Co. 178,423; July 17.
 Game, Alderman, Fairchild Company. 181,050; July 17.
 Game, Card. E. G. Sloman. 177,143; July 17.
 Games and parts thereof. Pung-Chow Company. 179,955-6; July 17.

CLASS 23.

Beaters and mixers, Cake. J. A. Swope, jr. 177,333; July 17.
 Can openers. Star Can Opener Company. 180,307; July 17.
 Carburetors. G. G. Brown. 179,774; July 17.
 Corn shellers. Joliet Manufacturing Company. 180,223; July 17.
 Drills, Hand. Red Head Manufacturing Company. 179,826; July 17.
 Roasters and parts and supplies for same. Jabez Burns & Sons. 180,325; July 17.

CLASS 26.

Ophthalmic mountings and parts thereof. Willson Goggles, Inc. 180,403; July 17.

CLASS 29.

Brushes. McKesson & Robbins Inc. 177,502; July 17.
 Brushes, Shaving. Rubber & Celluloid Products Company. 179,962; July 17.

CLASS 31.

Ice-cream freezers. Steinfeld Inc. 178,574; July 17.
 Refrigeration cabinets. I. C. Refrigeration Co. 180,477; July 17.

CLASS 34.

Dampers, soldering furnaces, etc., Stove. F. O. Schoedinger. 172,183; July 17.
 Furnaces, etc., Oil-burning equipment. Mahr Manufacturing Company. 172,683; July 17.
 Kerosene-gas-making appliances. Gloria Light Co. 171,123; July 17.
 Kilns, Dry. Hunter Dry Kiln Company. 175,354; July 17.
 Oil-burning appliances. Aeroll Burner Company. 169,840; July 17.
 Ranges and broilers, etc., Coal and gas combination. W. F. Dougherty & Sons, Incorporated. 177,774; July 17.

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PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 35.

Automobile accessories. J. N. Gold. 164,431; July 17.
 Belting, hose, packing. Warren & Bailey Co. 172,246; July 17.
 Packing rings. Johns-Manville, Inc. 171,540; July 17.
 Tires and inner tubes. Republic Rubber Company. 181,867; July 17.
 Tires, Rubber and fabric. Brunswick-Balke-Collender Company. 177,951; July 17.

CLASS 37.

Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 180,971-2; July 17.
 Paper, Writing. Fox River Paper Company. 180,975; July 17.
 Paper, Writing and bond. Becker Paper Corporation. 178,208; July 17.
 Papers, bristol board, cardboard. J. W. Butler Paper Co. 179,926; July 17.
 Pens, Fountain. Salz Brothers Inc. 162,073; July 17.

CLASS 39.

Apparel, Women's wearing. A. H. Flanders Company. 172,269; July 17.
 Aprons. R. H. Macy & Co. 174,524; July 17.
 Bathing capes. Chesapeake Weaving Mills, Inc. 177,121; July 17.
 Brassières. R. & R. Underwear. 172,013; July 17.
 Brassières, bandeaux, girdles, corsets, etc. Frolaset Corset Co. 173,823; July 17.
 Cloaks, suits, and coats, Women's. Miltex Cloak & Suit Co. 176,030; July 17.
 Collars. Cluett, Peabody & Company. 176,451; July 17.
 Corsets, corset waists, brassières, etc. American Lady Corset Company. 179,916; July 17.
 Cravats. Willow Weaving Co. 179,576; July 17.
 Dresses, Apron. N. Simon & Co. 179,748; July 17.
 Fur coats, wraps, capes, and neck pieces. H. Uswald. 155,576; July 17.
 Garments, Knitted outer. Allandale Knitting Mills, Inc. 176,244; July 17.
 Hosiery. A. L. Horst. 176,547; July 17.
 Hosiery. Wilson Brothers. 135,121; July 17.
 Hosiery, gloves, underwear. E. Leff. 160,016; July 17.
 Hosiery, underwear, sweaters, gloves, and mittens. E. Heathcote. 176,465; July 17.
 Overcoats and topcoats. Hickey-Freeman Co. 177,377; July 17.
 Overcoats, raincoats, house coats, etc. Heidelberg, Wolff & Co. 179,722; July 17.
 Robes, Men's. Lewis-Wise Co. 179,873; July 17.
 Shirts and pants, Men's and boys' work and flannel. Rouse, Hempstone & Co. 158,451; July 17.
 Shirts, Men's. Fessenden Shirt Co. 171,491; July 17.
 Shoes. Lord & Taylor. 176,486; July 17.
 Shoes. Majestic Shoe Company. 176,412; July 17.
 Shoes. Robt. J. Sadler Shoe Co. 174,978; July 17.
 Skirts, Outer. Florabelle Dressmakers, Inc. 171,310; July 17.
 Suits, Men's and young men's. J. L. Hudson Co. 171,846; July 17.
 Suits, overcoats, and hats, Men's and boys'. L. Klein, Inc. 174,309; July 17.
 Suits, topcoats, pants, etc., Men's, young men's, and boys' outer. Majestic Clothing Company. 181,431; July 17.
 Underwear and sleeping suits, Misses' and children's knitted. Everett Knitting Works. 177,904; July 17.
 Underwear and undershirts, princess slips for women, Knit. Maline Mills. 168,478; July 17.
 Underwear, hosiery, and sweaters. J. B. Hirshfeld. 176,184; July 17.
 Underwear, Ladies' cotton knit. J. L. Miller. 179,946; July 17.
 Underwear of knitted and textile fabric for females. Martha Maid Manufacturing Company. 178,084; July 17.
 Underwear, wrappers, and bands, Infants' knitted. Everett Knitting Works. 177,903; July 17.
 Uniforms. C. D. Randles. 158,895; July 17.

CLASS 40.

Stiletos, hooks and eyes, corset eyes, snap fasteners, etc., Bone. William Prym Company. 148,615; July 17.

CLASS 42.

Bed coverings, sheetings, pillowcases, etc. F. W. Hillig. 161,550; July 17.
 Cotton and woolen piece goods and mixtures of the same in the piece. Atlantic Mills. 177,947; July 17.
 Cotton, duck, and canvas piece goods. J. Einstein, Inc. 180,793; July 17.
 Cotton fabrics in the piece, Woven. G. A. Stafford. 135,737; July 17.

Cotton fabrics, Textile. Amory, Browne & Co. 181,103; July 17.
 Cotton fabrics, Woven. Roanoke Mills Company. 175,439; July 17.
 Cotton piece goods. African & Eastern Trading Co. 175,230; July 17.
 Cotton piece goods. Cohn Hall Marx Co. 180,963; July 17.
 Cotton piece goods. Milldale Textiles Corporation. 181,032; July 17.
 Cotton piece goods. Taylor, Clapp & Beall. 181,048; July 17.
 Cotton piece goods, Printed, bleached, gray, etc. Neuss, Hesslein & Co. 180,882; July 17.
 Cotton, silk, linen, etc., goods in the piece. Jacob Miller's Sons Co. 181,033-4; July 17.
 Cotton, silk, linen, etc., goods in the piece. Jacob Miller's Sons Co. 181,036-7; July 17.
 Fabric composed entirely of wool or other animal fibers. S. Stroock & Company. 181,225; July 17.
 Knitted silk fabrics. Banner Silk Knitting Mills, Inc. 180,781; July 17.
 Knitted silk fabrics. Banner Silk Knitting Mills, Inc. 180,783-4; July 17.
 Sateen piece goods. Voss & Stern. 179,693; July 17.
 Shirts. W. Harris Thurston & Co. 160,100; July 17.
 Silk fabrics. Corticelli Silk Company. 180,590; July 17.
 Silk fabrics. Golding Fabrics Corporation. 180,859; July 17.
 Silk fabrics. Golding Fabrics Corporation. 181,181; July 17.
 Silk fabrics. Golding Fabrics Corporation. 181,183; July 17.
 Silk fabrics in the piece. Cheney Brothers. 181,061; July 17.
 Silk piece goods. Duplan Silk Corporation. 181,255-60; July 17.
 Silk piece goods. Empire Silk Company. 181,178; July 17.
 Tablecloths, napkins, scarfs, etc. F. W. Hillig. 161,549; July 17.
 Tire fabrics in the piece. Salmon Falls Manufacturing Company. 179,823; July 17.
 Woolen piece goods. Atlantic Mills. 177,946; July 17.
 Woolen piece goods. Farnsworth Mills Inc. 180,969; July 17.
 Worsted yarn fabric known as reps. Botany Worsted Mills. 179,987-8; July 17.

CLASS 43.

Yarn. C. D. Newell. 177,420; July 17.

CLASS 44.

Bottles, fountain syringes, etc., Water. Independent Drug Company. 181,279; July 17.
 Nail files, toilet tweezers, nail and cuticle nippers. Marshall Field & Company. 181,270; July 17.
 Pads, elastic bandages, etc., Hip and kidney. James W. Brine Company. 172,578; July 17.

CLASS 45.

Beverage sold as a soft drink. W. McKee. 179,876; July 17.
 Beverage sold as a soft drink and a compound for making same. Beverage Extract Company. 179,513; July 17.
 Beverage sold as a soft drink and sirups for making the same. C. G. Dillon. 179,590; July 17.
 Drinks, Nonalcoholic maltless soft. J. F. Lazier Mfg. Co. 178,745; July 17.
 Soda water and beverages sold as soft drinks. Vacuum Water Company. 165,646; July 17.

CLASS 46.

Apples, Fresh-boxed. R. J. Graham. 171,536; July 17.
 Candies. Peterkin Company. 174,485; July 17.
 Candy. A. D. Flynn. 178,601-2; July 17.
 Candy. Huyler's. 171,172; July 17.
 Candy. National Candy Company. 172,549; July 17.
 Candy bar. Hoffman Candy Co. 178,343; July 17.
 Canned fish. Altoona Packing Company. 178,542; July 17.
 Canned fruit and vegetables and dried fruit. Barron-Gray Packing Co. 177,818; July 17.
 Canned fruits and vegetables. J. F. Butts Co. 178,551; July 17.
 Coffee. George C. Buell & Co. 178,819; July 17.
 Fish which have been subjected to a pickling solution, Fresh. Whitman, Ward & Lee Co. 176,147; July 17.
 Flour, Wheat. Goerz Flour Mills Co. 152,796; July 17.
 Fruit, Preserved. Keystone Fruit Products Company. 177,607; July 17.

CLASSIFIED LIST OF TRADE-MARK TITLES.

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PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fruits, Fresh citrous. Richardson-Marsh Corporation.
178,867; July 17.
Ice cream. George K. Brown Co. 164,576; July 17.
Mustard vinegar, tomato catchup, coffee, etc., Prepared.
A. B. Gray. 177,485; July 17.
Onions. W. R. Wedrick. 177,941; July 17.
Potatoes and head lettuce. Johnson, Young & Hamilton.
171,849; July 17.
Tea. Fantea Company. 178,335; July 17.

CLASS 50.

Images, bric-a-brac, statuary, etc. E. M. Viquesney.
170,228; July 17.
Signs. Brown & Bigelow. 160,745; July 17.
Tents, tent flies, tarpaulins, etc. Canvas Products Com-
pany. 174,065; July 17.
Tents, tent flies, tarpaulins, etc. Canvas Products Com-
pany. 174,068; July 17.
Waterproofed fabrics in the piece. Nicholson's Raincoat
Co. 176,497; July 17.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Aarons, Abraham, New York, N. Y. Canopy for lighting fixtures. Des. 62,661; July 17.
- Aarons, Abraham, New York, N. Y. Lighting fixture. Des. 62,660; July 17.
- Accola, Lorenz C., Canton, Mo. Trap. 1,461,743; July 17.
- Acheson, Thomas F. (See Parker, Fred J., assignor.)
- Adam, Harry C., St. Louis, Mo. Holder for illuminating glassware. Des. 62,662; July 17.
- Adam, Harry C., St. Louis, Mo. Lighting fixture. Des. 62,666; July 17.
- Adams, William R., Plainfield, and H. L. Pound, North Plainfield, N. J., assignors to International Motor Company, New York, N. Y. Fixture for turning machines. 1,461,884; July 17.
- Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pumping system. 1,462,159; July 17.
- Aisenstein, William, assignor to Wilmort Manufacturing Company, Chicago, Ill. Crumb sweeper. 1,461,814; July 17.
- Akey, Meader R., Sacramento, and H. Katz, Oakland, Calif. Bending machine. 1,462,315; July 17.
- Aktiengesellschaft Brown Boveri & Cie. (See Jonas, J., and Seitz, assignors.)
- Albright, Warren W., et al. (See Riddel, Sherrod, assignor.)
- Alexander, Harry H., Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering tin from impure ores. 1,461,957; July 17.
- Allcutt, Chester T., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lighting arrester. Re15,653; July 17.
- Allen & Co. (See Rappleye, Frank A., assignor.)
- Allison Bishopric. (See Cooper, Simon, assignor.)
- Alquist, Karl, New York, N. Y. Gearing for marine propulsion and the like. 1,462,316; July 17.
- American Automatic Train Control Corporation. (See Rudolph, Harold V., assignor.)
- American Creosoting Company. (See Austin, H. E., and Cook, assignors.)
- American Engineering Company. (See James, George H., assignor.)
- American Smelting and Refining Company. (See Alexander, Harry H., assignor.)
- American Telephone and Telegraph Company. (See Parker, R. D., and Hamilton, assignors.)
- American Telephone and Telegraph Company. (See Sultzer, Morton, assignor.)
- Amor, Reginald F. R., Leytonstone, London, England. Portable casing for talking machines. 1,461,859; July 17.
- Anaconda Copper Mining Company. (See Laist, Frederick, assignor.)
- Anchelevich, Max, Evansville, Ind. Automobile radiator-repair device. 1,462,360; July 17.
- Andersen, Christopher C., Salt Lake City, Utah. Electric starter. 1,461,996; July 17.
- Anderson, George H., Kalamazoo, Mich. Automatic valve means. 1,461,885; July 17.
- Anthony, Marcus O., Cleveland, Ohio, assignor to Continental Engineering Corporation, Omaha, Nebr. Rotary valve. 1,462,160; July 17.
- Apgar, Stanley, assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Heat treatment of light castings. 1,462,460; July 17.
- Apple, Grover C., Greensboro, N. C. Cap. 1,462,438; July 17.
- Applegate, H. W. (See Shaw, John T., assignor.)
- Armstrong Farm Tractor Company. (See Armstrong, William A., assignor.)
- Armstrong, Frank H., Auburn, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Segment carrier for typewriting machines. 1,461,717; July 17.
- Armstrong, Frank H., Auburn, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,718; July 17.
- Armstrong, Frank H., Auburn, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,719; July 17.
- Armstrong, Frank H., Auburn, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,720; July 17.
- Armstrong, William A., Waco, Tex., assignor to Armstrong Farm Tractor Company, Dallas, Tex. Tractor. 1,461,997; July 17.
- Arnold, Frank O., Duluth, Minn. Coupling. 1,461,958; July 17.
- Aronson, Louis V., Newark, N. J. Whirligig. 1,462,317; July 17.
- Aronson, Saul. (See Wilkinson, E. E., and Aronson.)
- Arrowsmith, Robert, Homestead, Mont. Shock absorber. 1,461,959; July 17.
- Artman, Joseph H., Laurel, Nebr. Automatic stock fountain. 1,461,744; July 17.
- Ashbrooke, John T., New York, N. Y., assignor to The Bonnie-B Company, Inc. Display cabinet. Des. 62,663; July 17.
- Atack, Frederick W., Charleston, W. Va. Purifying anthraquinone and its derivatives. 1,461,745; July 17.
- Augustine, Addison E., Hackensack, N. J., assignor to Chester Machine Co. Inc., New York, N. Y. Removable drying-chain mechanism for envelope-making machines. 1,461,746; July 17.
- Austin, Harold E., Louisville, Ky., and J. C. Cook, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky. Running gear for wheeled vehicles. 1,462,255; July 17.
- Auto Specialties Manufacturing Company. (See Duffy, Thomas I., assignor.)
- Automatic Electric Company. (See Nelson, Martin L., assignor.)
- Automatic Electric Company. (See Setter, Micheal, assignor.)
- B. and B. Manufacturing Company. (See Balthasar, Harry G., assignor.)
- Babbitt, Isaac N. (See Smith, Frederick G., assignor.)
- Bacon, Frederick J. (See Winship, E. O., and Bacon.)
- Baitz, George F., Philadelphia, Pa. Combination display and vending device. 1,462,024; July 17.
- Baldwin, John L., Washington, D. C. Scaffold. 1,462,439; July 17.
- Balthasar, Harry G., assignor to B. and B. Manufacturing Company, St. Louis, Mo. Whistle. 1,462,161; July 17.
- Banks, Joseph L., Baltimore, Md. Heat transmission. 1,462,079; July 17.
- Barks, Frank S., assignor to Lincoln Steel and Forge Company, St. Louis, Mo. Mine-car coupler. 1,462,188; July 17.
- Barnes, Wallace Company, The. (See Cook, Raymond W., assignor.)
- Barney, Louis D., Chicago, Ill. Lawn sprinkler. 1,462,256; July 17.
- Baroody, Assad M., Danville, Va. Milk-bottle closure. 1,462,462; July 17.
- Basel, Frank, assignor of one-half to P. Halloran, Minneapolis, Minn. Convertible valley and hip composition shingle. 1,461,886; July 17.
- Bastian-Blessing Company, The. (See Bastian, Charles L., assignor.)
- Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Strup jar. 1,461,960; July 17.
- Bates, James N. (See Knowles, M. M., and Bates.)
- Baudot, Joseph, Paris, France. Pump, compressor, and motor. 1,461,998; July 17.
- Bauman, Arthur E., Akron, Ohio. Spring tire. 1,462,440; July 17.
- Bausert, Harold C., Brooklyn, N. Y. Electric cooker and melting pot. 1,462,224; July 17.
- Beard, Lawrence O., Lancaster, Pa. Micrometer calliper. 1,462,130; July 17.
- Bechtold, William S., Newark, N. J. Mirror, brush, or similar article. Des. 62,664; July 17.
- Beck, Fritz, Nuremberg, Germany. Cerium pocket lighter. 1,462,191; July 17.
- Beck, William M., Elwood, Ind. Track device for automatic train control. 1,461,792; July 17.
- Beeby, John H., Ottawa, Ontario, Canada. Oven. 1,461,999; July 17.
- Beisel, William J., Port Richmond, N. Y. Spring wheel. 1,462,441; July 17.
- Bennett, Alexander M., Bellaire, assignor to F. Bennett, Pontiac, Mich. Splint. 1,462,000; July 17.
- Bennett, Frank. (See Bennett, Alexander M., assignor.)
- Benson, Carl, Youman, Colo. Sickle hanger. 1,462,001; July 17.
- Bentz, Harry, Montclair, N. J. Drying apparatus. 1,462,025; July 17.

- Bergstein, Samuel, assignor to Interstate Folding Box Company, Middletown, Ohio. Paper folding box. 1,461,961; July 17.
- Berkeley, Laurence J., Milwaukee, Wis., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,462,162; July 17.
- Bevan, Alexander, Providence, R. I. Egg beater. 1,461,962; July 17.
- Beyl, Emil A., Minneapolis, Minn. Backstop for elevators and the like. 1,462,318; July 17.
- Bice, Ivor C., Clandeboye, Ontario, Canada. Safety crank. 1,462,002; July 17.
- Bieneck, Joseph, San Antonio, Tex. Trench defense. 1,461,963; July 17.
- Bioscope Improvements Limited. (See Way, Edward J., assignor.)
- Bird, Ralph B., Oakland, Calif. Hand roller. 1,461,815; July 17.
- Birhanzi, Otto W., assignor to The Warner and Swasey Company, Cleveland, Ohio. Flexible guard for machine tools. 1,461,887; July 17.
- Black, Wesley A., Spartanburg, S. C. Slasher. 1,462,442; July 17.
- Blackwood, Harry L., Salem, Oreg. Vaporizer for liquid fuel. 1,462,361; July 17.
- Bland, Silas Z., Neoga, Ill. Timing device for cream testers. 1,461,964; July 17.
- Bleecker, Warren F., Boulder, Colo. Impervious material and its production. 1,462,003; July 17.
- Bohlin, Arvid, Trenton, N. J. Knife sharpener. 1,462,080; July 17.
- Bohner, Clyde C., Chicago, Ill., assignor to General Electric Company. Glassworking mold. 1,462,362; July 17.
- Bohr, Henry B., assignor to The Julian & Kokenge Company, Cincinnati, Ohio. Shoe. 1,461,793; July 17.
- Boite, Joseph G., Davenport, Iowa. Tractor steering mechanism. 1,461,965; July 17.
- Bonnet, François, Villefranche-sur-Saone, France. Molding apparatus for compressed blocks. 1,461,860; July 17.
- Bonney, George C. (See MacBride, G. W., and Bonney.)
- Bonnie-B Company, The. (See Ashbrooke, John T., assignor.)
- Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,461,721; July 17.
- Boone, Clarence E., Long Beach, Calif. Wave motor. 1,461,747; July 17.
- Booth, William T., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device. 1,462,026; July 17.
- Boyce, Harrison H., Forest Hills, N. Y. Water-level indicator for automobile radiators. 1,461,722; July 17.
- Boyer, Oliver, Spencerville, Ohio. Corn husker. 1,461,748; July 17.
- Bradley, C. E., Corporation. (See La Sares, George C., assignor.)
- Brady, Frank, Denver, Colo. Hydrocycle. 1,462,027; July 17.
- Braff, Joseph. (See Braff, Theodor, assignor.)
- Braff, Theodor, Vienna, Austria, assignor of one-half to J. Braff, Cleveland, Ohio. Food product and making same. 1,462,163; July 17.
- Brazee, Raymond L., assignor to The Hampden Toy Company, Westfield, Mass. Folding lunch box. 1,462,225; July 17.
- Breeden, Howard H., Millville, N. J. Safety device for inflating pneumatic tires. 1,462,081; July 17.
- Brewster, Harry C., Shreveport, La. Drilling machine. 1,462,098; July 17.
- Bridgeport Brass Company. (See Clark, Walter R., assignor.)
- Brill, J. G., Company, The. (See Dennis, Charles F., assignor.)
- Britten, Edwin F., jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Carry mechanism for registers. 1,462,058; July 17.
- Britten, Edwin F., jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Automatic carriage-raising means for calculating machines. 1,462,059; July 17.
- Britten, Edwin F., jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Carry-set mechanism for calculating machines. 1,462,060; July 17.
- Britten, Edwin F., jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Overthrow check for calculating machines. 1,462,061; July 17.
- Britton, George W. (See Sweet, M. A., and Britton.)
- Brock, Max, assignor to I. B. Kleintert Rubber Company, New York, N. Y. Powder puff. 1,462,258; July 17.
- Brock, Max, assignor to I. B. Kleintert Rubber Company, New York, N. Y. Powder puff. 1,462,259; July 17.
- Brock, Max, assignor to I. B. Kleintert Rubber Company, New York, N. Y. Powder puff and cover therefor. 1,462,257; July 17.
- Brock, Max, assignor to I. B. Kleintert Rubber Company, New York, N. Y. Powder puff. 1,462,260; July 17.
- Brooke, George A., jr., Germantown, Pa. Automatic pressure control. 1,462,164; July 17.
- Brooker, Henry T., Southend-on-Sea, England. Apparatus for playing race games. 1,462,189; July 17.
- Brookman, John H., et al. (See Slauson, Stephen A., assignor.)
- Brooks, James G., Omaha, Nebr. Floor waxer and polisher. 1,461,723; July 17.
- Brooks, Lewis C., assignor, by mesne assignments, to The National Paper Can Company, Milwaukee, Wis. Paper can or carton. 1,462,445; July 17.
- Brophy, John P., Cleveland, Ohio. Signal device for vehicles. 1,462,319; July 17.
- Brown, Charles H., Breckenridge, Tex., Fishing tool. 1,462,099; July 17.
- Brown, Harry M., New Kensington, Pa. Car coupler. 1,462,190; July 17.
- Browning, George M., New York, N. Y. Toothpick and making same. 1,462,062; July 17.
- Brunswick-Kroeschell Company. (See Whitaker, Richard, assignor.)
- Bryan, George A., Peru, Ind., assignor to Bryan Harvester Company. Liquid-fuel burner. 1,462,261; July 17.
- Bryan Harvester Company. (See Bryan, George A., assignor.)
- Bryant, John P., Chicago, Ill. Eyelet tack. 1,462,262; July 17.
- Buckingham & Hecht. (See Wiel, Eli H., assignor.)
- Burbridge, Frank, Marston, near Northwich, England. Glare-preventing device for lamps. 1,461,749; July 17.
- Burch, Julius G. (See Leidecker, J. M., and Burch.)
- Burkley, Clem J. (See Carlton, B. B., and Burkley.)
- Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Method and means for cooling electrical apparatus. 1,462,321; July 17.
- Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Wheel. 1,461,888; July 17.
- Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Vehicle wheel. 1,461,889; July 17.
- Busch, Conrad J., Wyomissing, assignor to The Narrow Fabric Co., West Reading, Pa. Trimming for garments and similar articles. Des. 62,665; July 17.
- Bush, William P. (See Crooms, Louise J. P., assignor.)
- Butterfield, Charles, assignor to The Interstate Folding Box Company, Middletown, Ohio. Machine for making paper folding boxes and the like. 1,461,966; July 17.
- Butterfield, Charles, assignor to The Interstate Folding Box Company, Middletown, Ohio. Making paper folding boxes or the like. 1,461,967; July 17.
- Buttner, William C., Chicago, Ill. Bottle cap. 1,462,165; July 17.
- Caldwell, Frank B., Oak Park, assignor to H. W. Caldwell & Son Company, Chicago, Ill. Conveyer-coupling means. 1,462,461; July 17.
- Caldwell, H. W., & Son Company. (See Caldwell, Frank B., assignor.)
- Calorolil Burner Corporation. (See Grant, Albert E., assignor.)
- Caproni, Gianni, Milan, Italy. Device for determining the course on flying machines. 1,462,100; July 17.
- Carlson, Jalmar A., Stambaugh, Mich. Emergency fuel tanks for automobiles. 1,461,890; July 17.
- Carlton, Basil B., and C. J. Burkley, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Screening device. 1,462,469; July 17.
- Caron, Napoleon, assignor to Nashua Manufacturing Company, Nashua, N. H. Weft-replenishing loom. 1,461,861; July 17.
- Casciotta, Giuseppe, New York, N. Y. Spectrum piano action. 1,462,444; July 17.
- Casoletti, Vittorio, Turin, Italy. Coffee making or brewing machine. 1,462,322; July 17.
- Carey, Frank B., Fresno, Calif. Flytrap. 1,462,004; July 17.
- Carr, David M., Brooklyn, N. Y. Siphon apparatus. 1,462,082; July 17.
- Cavanagh, Edward M., and R. E. McFarlane, Ottawa, Ontario, Canada. Air brake for trains. 1,461,968; July 17.
- Cederquist, Nils H., Los Angeles, Calif. Adjustable propeller ferrule and wood-holding device. 1,462,083; July 17.
- Chaney, Lee F., assignor to The Chaney Manufacturing Company, Springfield, Ohio. Air-control valve. 1,462,263; July 17.
- Chaney Manufacturing Company, The. (See Chaney, Lee F., assignor.)
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,750; July 17.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,751; July 17.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,752; July 17.
- Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor holder. 1,461,753; July 17.
- Chapman, Leo L., Fond du Lac, Wis. Film reel. 1,462,166; July 17.
- Charlet, Hans, Krefeld, Germany. Inherently-regulated direct-current dynamos. 1,462,226; July 17.
- Cheremisinoff, Gabriel A., Highland Park, Mich. Shock-absorbing disk wheel. 1,461,969; July 17.

- Chester Machine Co. (See Augustine, Addison E., assignor.)
- Christensen, Niels C., Salt Lake City, Utah. Method of and apparatus for making spray from liquids and commingling the same with gases. 1,462,363; July 17.
- Clark, Arthur B., assignor to Fer-Mil-Lac Process Company, St. Louis, Mo. Fermentation of milk. 1,462,029; July 17.
- Clark, Emma E., Hammond, Ind., assignor to The Wilson Fastener Company, Cleveland, Ohio. Lingerie clip. Re15,654; July 17.
- Clark Equipment Company. (See Burrows, Robert J., assignor.)
- Clark, George H., Brooklyn, N. Y., assignor to Radio Corporation of America. Transmitting and receiving apparatus for wireless telegraphy. 1,461,754; July 17.
- Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Manufacture of electric-furnace linings. 1,461,862; July 17.
- Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Manufacture of electric-furnace linings. 1,461,863; July 17.
- Clarke, Clem S., Shreveport, La. Casing head. 1,462,131; July 17.
- Clayton and Lambert Manufacturing Company. (See Groehn, Otto J., assignor.)
- Cleveland, F. Mortimer. (See Graham, Thomas de L., assignor.)
- Clinton, Harry D., Johnson City, N. Y. Tuft-yarn spool for looms. 1,462,192; July 17.
- Coffin, Frank M., Pelham, N. Y. Safety elevator interlock. 1,462,264; July 17.
- Cole, Don, and C. J. Gustafson, assignors to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,461,970; July 17.
- Cole, George H., Wenona, Ill. Hand stamp-assembling machine. 1,461,971; July 17.
- Colson, Erick G., Glen Morris, N. Y. Tool. 1,462,101; July 17.
- Compton, Charles W., Wooster, Ohio. Star namer. 1,462,323; July 17.
- Comstock, Jackson D., Chester, W. Va. Automobile tire. Des. 62,667; July 17.
- Coney, Franklin H., Chicago, Ill. Concrete buildings. 1,461,891; July 17.
- Coney, Franklin H., Chicago, Ill. Column cap for concrete buildings. 1,461,892; July 17.
- Conner, Charles E., Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching machine. 1,461,893; July 17.
- Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Wastebasket. Des. 62,668; July 17.
- Continental Can Company. (See Walsh, Harry C. H., assignor.)
- Continental Engineering Corporation. (See Anthony, Marcus O., assignor.)
- Cook, Jesse C. (See Austin, H. E., and Cook.)
- Cook, Raymond W., assignor to The Wallace Barnes Company, Bristol, Conn. Clip. 1,462,193; July 17.
- Cook, William E., St. George, assignor, by mesne assignments, to The Peerless Insulated Wire and Cable Company, New York, N. Y. Wire-covering machine. 1,461,816; July 17.
- Cook, William E., St. George, assignor to Peerless Insulated Wire and Cable Company, New York, N. Y. Wire-covering machine. 1,461,817; July 17.
- Cooley, Fred W., Minneapolis, Minn. Tone modifier for sound-reproducing machines. 1,462,320; July 17.
- Cooper, Simon, Brooklyn, N. Y., assignor to Allison Bishopric, Cincinnati, Ohio. Machine for the manufacture of wall board. 1,461,724; July 17.
- Cooper, Thomas C., Chicago, Ill. Lock. 1,461,725; July 17.
- Cope, Joseph H., Denver, assignor to The Windsor Manufacturing Company, Windsor, Colo. Haystacker. Re15,658; July 17.
- Copithorn, Walter E., Natick, Mass. Tire valve. 1,462,227; July 17.
- Corcoran, Thos. J., Lamp Co., The. (See Kuen, Eugene A., assignor.)
- Cordingley, Daisy. (See Cordingley, Harry W., assignor.)
- Cordingley, Harry W., Fredericksburg, assignor to Daisy Cordingley, East Liverpool, Ohio. Electric-lighting fixture. 1,462,132; July 17.
- Corey, Matt M. (See Gudgel, E. D., and Corey.)
- Corona Typewriter Company. (See Armstrong, Frank H., assignor.)
- Corona Typewriter Company. (See Harmon, Edwin L., assignor.)
- Corona Typewriter Company. (See Petermann, Otto, assignor.)
- Corser, John W., Los Angeles, Calif. Piston. 1,462,084; July 17.
- Cosulich, Matteo, assignor to Thomas & Buckley Hoisting Co., New York, N. Y. Brake for electric-motor-operated hoists. 1,462,265; July 17.
- Cox, Charles E., Freeport, Ill. Automatic drill press. 1,461,755; July 17.
- Cracker Jack Co., The. (See Morinsky, Louis, assignor.)
- Crafts, Harold L., Rochester, N. Y. Automobile radiator condenser. 1,461,726; July 17.
- Craig, Eustace N. (See Pearson, R. E., and Craig.)
- Croce, Thomas, and D. Morabito, East Boston, Mass. Spring-actuated closure. 1,462,228; July 17.
- Croning, Johannes, Hamburg, Germany. Mortise lock. 1,461,756; July 17.
- Crooms, Louise J. P., Orlando, assignor of one-half to W. P. Bush, Jacksonville, Fla. Hairdresser's comb. 1,462,167; July 17.
- Cross, William B. (See Panario, E. F., and Cross.)
- Crowder, Riley M., assignor of one-half to C. L. Wood, Holland, Ky. Harrow. 1,462,324; July 17.
- Cutler, Clifford A., Buffalo, N. Y. Drying kiln. 1,462,194; July 17.
- Daines, Thomas, Penticton, British Columbia, Canada. Invisible baggage guard for motor cars. 1,461,972; July 17.
- Dallenbach, Michael, Ridgway, Pa. Saw-tooth dresser, jointer, and gauge. 1,462,325; July 17.
- Davis, Howard B., Millville, N. J. Glass-cutting machine. 1,462,030; July 17.
- Day, Emory C., Laguna Beach, Calif. Surgical snare. 1,461,864; July 17.
- Day, Emory C., Laguna Beach, Calif. Surgical snare and universal handle. 1,461,865; July 17.
- Day, Wallace E., assignor to F. M. Spencer, doing business under the name of Spencer Elevator Co., San Francisco, Calif. Neutral-position safety control. 1,462,031; July 17.
- De Escobales, Hilarion, Brooklyn, assignor to H. Escobales Co. Inc., New York, N. Y. Cigarette-pouch-packaging mechanism. 1,462,326; July 17.
- De Escobales, Hilarion, Brooklyn, assignor to H. Escobales Co. Inc., New York, N. Y. Cigarette-pouch-packaging mechanism. 1,462,327; July 17.
- Degen, Lewis, Berkeley, Calif. Noninterfering signal device. 1,462,085; July 17.
- Degner, George C., Long Beach, Calif. Traffic regulator. 1,462,266; July 17.
- De Jong, Conrad C., Wessington Springs, S. Dak. Scoop. 1,462,328; July 17.
- De La Mare, Thomas, Tooele, Utah. Culvert mold. 1,461,973; July 17.
- Delaney, Thomas W., St. Paul, Minn. Pump piston. 1,462,445; July 17.
- De Laval Separator Company, The. (See Leitch, Meredith, assignor.)
- De Moos, Charles, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Fluid-treating apparatus for films. 1,461,794; July 17.
- Denemark, Jacob, Trenton, N. J. Stitching mechanism for hat brims. 1,462,168; July 17.
- Dennis, Charles F., Cleveland, Ohio, assignor to The J. G. Brill Company, Philadelphia, Pa. Construction of vehicle roofs. 1,462,329; July 17.
- De Soto, Emilio D. (See Jandos, Charles B., assignor.)
- Detroit Trailer Company. (See Hartwick, Ernest F., assignor.)
- Deubener, Walter H., St. Paul, Minn. Envelope. 1,461,727; July 17.
- Deucher, Eugene G., assignor to The Universal Crane Company, Cleveland, Ohio. Support for spring vehicles. 1,461,894; July 17.
- De Wolf, Roger D., Rochester, N. Y. Furnace arch. 1,462,267; July 17.
- Dhé, Paul, Paris, France. Tipping crucible for basalt furnaces. 1,462,446; July 17.
- Dietrich, Paul, Cleveland, Ohio, assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Filing index. 1,462,268; July 17.
- Di Falco, Giovanni, New York, N. Y. Sound-reproducing machine. 1,462,269; July 17.
- Dixon, H. L., Company. (See Sterrett, Walter R., assignor.)
- Djurson, Axel R. K., Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Stockholm, Sweden. Automatic slack adjuster for brakes. 1,462,270; July 17.
- Dodson, Arvy B., Longton, Kans. Trap for capturing animals. 1,462,102; July 17.
- Doherty Research Company. (See Greenfield, Benjamin, assignor.)
- Dornier, Claude, Friedrichshafen, assignor, by mesne assignments, to Dornier-Metalbauten Gesellschaft mit beschränkter Haftung and C. Dornier, Friedrichshafen, A. B., Germany. Air propeller. 1,461,866; July 17.
- Dornier, Claudius, et al. (See Dornier, Claude, assignor.)
- Dornier-Metalbauten Gesellschaft mit beschränkter Haftung, et al. (See Dornier, Claude, assignor.)
- Doyle, Nicholas J., Buffalo, N. Y. Multiple fuse. 1,462,195; July 17.
- Drake, Robert Z., Omaha, Nebr. Bridge-reinforcing means. 1,461,795; July 17.
- Draper Corporation. (See Gilman, Edward T., assignor.)
- Driver, Clara, Thessalon, Ontario, Canada. Bread pan. 1,461,974; July 17.
- Drolshammer, Ivar, Hamar, Norway. Pneumatic brake. 1,462,229; July 17.
- Dros, Cornelis P., Amsterdam, Netherlands. Fishing apparatus. 1,462,196; July 17.
- Drummond, Robert S., New York, N. Y. Window construction. 1,461,818; July 17.
- Drying Systems, Inc. (See Harrison, Burt S., assignor.)

- Duncan, William M., Alton, Ill. Furnace and controlling the draft therein. 1,461,819; July 17.
- Duff Manufacturing Company, The. (See Eck, Karl, assignor.)
- Duffy, Thomas I., Chicago, Ill., assignor, by mesne assignments, to Auto Specialties Manufacturing Company, St. Joseph, Mich. Spring suspension. Re15,659; July 17.
- Dunn, Ray, Tipton, Iowa. Milk bottle. 1,462,330; July 17.
- Dutro, Claude O., R. W. Kent, and G. S. Kent, Burkburnett, Tex. Tool for removing shackle bolts of automobile springs and the like. 1,462,447; July 17.
- Eastman Kodak Company. (See de Moos, Charles, assignor.)
- Eaton, Wilfred B., and T. D. La May, Seattle, Wash. Slide rule. 1,461,975; July 17.
- Eberhardt, Nicholas S., and A. E. Hackett, Milwaukee, Wis. Frog bank. 1,461,821; July 17.
- Echlin, Philander M., Toronto, Ontario, Canada. Lad-der attachment. 1,462,086; July 17.
- Eck Karl, Bellevue Borough, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Wheeling attachment for lifting jacks. 1,461,820; July 17.
- Edwards, Alonzo L. (See Paul, A. W., and Edwards.)
- Egerton, Henry C., Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine and winding electrical coils. 1,462,032; July 17.
- Eggers, John H., jr., Huntingburg, Ind. Car coupling. 1,461,769; July 17.
- Elliott, Harriet A., executrix. (See Elliott, Sterling.)
- Elliott, Sterling, deceased, Cambridge, Mass.; H. A. Elliott, executrix. Stencil making. 1,461,867; July 17.
- Ellis, Thomas C., A. Jeffery, and H. Maddocks, Peterborough, England. Seed-sowing machine. 1,461,770; July 17.
- Engle, Edgar S., Greensburg, Pa. Clutch-pedal attachment. 1,461,771; July 17.
- Ennis, Maddalena H., Ansonia, Conn. Sewing-machine cabinet and seat. 1,462,271; July 17.
- Epstein, Herman, New York, N. Y. Clamp for producing mottled skein dyeing. 1,461,822; July 17.
- Erickson, Louis, La Crosse, Wis. Vehicle trailing device. 1,462,103; July 17.
- Escobales, H., Co. (See de Escobales, Hilarion, assignor.)
- Evans, James G., Tunbridge Wells, England. Child's mail cart and like vehicle. 1,461,976; July 17.
- Ewing, Sydney E. T., and J. L. Willey, Johannesburg, Transvaal, South Africa. Ore reduction. 1,461,977; July 17.
- Fabeck, Nicolaus W., Freepert, Minn. Loading device. 1,462,272; July 17.
- Farnham, Reginald V., Skelmorlie, Scotland. Disinfectant attachment for the flushing arrangements of water-closets and the like. 1,462,033; July 17.
- Feddern, Carl, assignor to Globe Ticket Company, Philadelphia, Pa. Check holder. 1,462,448; July 17.
- Feige, Adolph E., assignor to Universal Industrial Corporation, Hackensack, N. J. Display stand for hose clamps. Des. 62,669; July 17.
- Feil, John G., Blackstone, Va. Vehicle wheel. 1,461,978; July 17.
- Fellroth, Erick O., assignor of one-third to F. N. Hegg and one-third to C. I. Lindskoog, Minneapolis, Minn. Machine for cutting tires into transverse sections. 1,462,197; July 17.
- Fellroth, Erick O., assignor of one-third to F. N. Hegg and one-third to C. I. Lindskoog, Minneapolis, Minn. Tire gauge cutter. 1,462,198; July 17.
- Felton, Augustus C., jr., Macon, Ga. Crematory. 1,462,230; July 17.
- Fer-Mil-Lac Process Company. (See Clark, Arthur B., assignor.)
- Festa, John, Brooklyn, N. Y. Gas burner. 1,462,331; July 17.
- Finlayson, Estelle B., Ossining, N. Y. Container. 1,462,034; July 17.
- Finn, Abraham, Elizabeth, N. J. Paper hanger's table. 1,462,449; July 17.
- Fischer, Charles, Coldwater, Ohio. Chair tightener. 1,461,868; July 17.
- Fischer, Frederick P., Chicago, Ill. Smoke consumer. 1,462,273; July 17.
- Fishel, Milton A., New York, N. Y. Forming hairpins. 1,461,728; July 17.
- Fisher Body Corporation. (See Rissmann, Paul, assignor.)
- Fitts, Charles F., et al. (See Hilgerink, Frank M., assignor.)
- Fitz Simons, Samuel G., Charleston, S. C. Automobile fender. 1,462,104; July 17.
- Fondiller, William, assignor to Western Electric Company, Incorporated, New York, N. Y. Treatment of magnetic material. 1,462,035; July 17.
- Foss, Laurence M., assignor to G. W. J. Murphy Company, Amesbury, Mass. Securing means for fastener elements. 1,462,463; July 17.
- Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
- Foster, Charles B., Buffalo, N. Y. Convertible sink and washing device. 1,461,979; July 17.
- Foster, Henry J., and O. Thomas, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Forming sheet-metal barrel chimes. 1,461,729; July 17.
- Foster, Harry S., et al. (See Youlten, William, assignor.)
- Foster Machine Company. (See McKean, John O., assignor.)
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Detachable knot or fastener for coiled springs. 1,461,895; July 17.
- Fouse, Frederick W., Muskogee, Okla. Spirit level. 1,462,231; July 17.
- Frahm, Carl A., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Sheet-trimming machine. 1,461,796; July 17.
- Franzenburg, Claus, Nuremberg, assignor to the Firm Marswerke A.-G., Nuremberg-Doos, Germany. Novel device for securing engines on motor cycles. 1,461,869; July 17.
- Frascadore, Michael, and R. Vallone, Philadelphia, Pa. Rear lamp for automobile. 1,462,274; July 17.
- Frassier, Leon, Paris, France. Cinematographic projection apparatus. 1,461,870; July 17.
- French Battery & Carbon Co. (See McEachron, Edgar J., assignor.)
- Fried, Ignatius, Mobile, Ala. Separable button. 1,462,332; July 17.
- Fritz, E. F. Lewis, Chicago, Ill. Rifle. 1,462,169; July 17.
- Frizell, Herbert L., Dorchester, Mass. Valved collapsible tube. 1,462,232; July 17.
- Fry, Charles E., Bloomfield, Iowa. Safety signal for railway crossings. 1,461,896; July 17.
- Fuller, Wellington G., assignor of one-half to S. C. Searle, Aberdeen, S. Dak. Seat back. 1,461,772; July 17.
- Funk, Frank M., and M. C. Jenners, Detroit, Mich. Reversing chuck. 1,461,871; July 17.
- Gair, Robert, Company. (See Seifert, August, assignor.)
- Gammel, Karl, Cleveland, Ohio. Cooking utensil. 1,462,275; July 17.
- Gartner, Victor, Brooklyn, N. Y. Fountain pen. 1,461,823; July 17.
- Gelb, William, assignor to International Silver Company, Meriden, Conn. Metal basket or similar article. Des. 62,670; July 17.
- General Electric Company. (See Bohner, Clyde C., assignor.)
- General Electric Company. (See Burnham, Locke H., assignor.)
- General Electric Company. (See Hall, Chester I., assignor.)
- General Electric Company. (See Huber, Herman J. H., assignor.)
- General Electric Company. (See Kline, Charles H., assignor.)
- General Electric Company. (See Lyons, Joseph, assignor.)
- General Electric Company. (See Merrill, W. L., and Winne, assignors.)
- General Electric Company. (See Pero, Bertram S., assignor.)
- General Electric Company. (See Treischel, Chester C., assignor.)
- General Electric Company. (See Wagner, Edward A., assignor.)
- General Electric Company. (See Warren, Henry E., assignor.)
- General Motors Corporation. (See White, John W., assignor.)
- Gietzelt, Arthur A. (See Hoopes, S. L., and Gietzelt.)
- Giles, Harvey, Brooklyn, assignor to A. Ward, New York, N. Y. Coin-controlled vending machine. 1,462,199; July 17.
- Gillies, Neil M. (See Stroud, Chester H., assignor.)
- Gilman, Edward T., Lowell, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,461,872; July 17.
- Girard, John, Thomaston, Conn. Roll-fabric holder. 1,462,333; July 17.
- Glacier Company. (See Graham, James E., assignor.)
- Glent & Hassenkamm Ltd. (See Petersen, Hans P., assignor.)
- Glidden, Alfred A., assignor to Hood Rubber Company, Watertown, Mass. Rubber boot. Des. 62,671; July 17.
- Globe Ticket Company. (See Feddern, Carl, assignor.)
- Glock, Theodore, Webster, Wis. Portable clothes basket. 1,462,133; July 17.
- Goffe, Theodore N., Springfield, Mo. Stovepipe lock. 1,461,773; July 17.
- Goodyear Tire & Rubber Company, The. (See Carlton, B. B., and Burkley, assignors.)
- Goodyear Tire & Rubber Company, The. (See Kilborn, K. B., and Wolfe, assignors.)
- Goodyear Tire & Rubber Company, The. (See Trogner, Roland S., assignor.)
- Graesser, Carl H., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Pressure-gauge mechanism. 1,461,730; July 17.
- Graham, James E., Newtonville, Mass., assignor to Glacier Company, Boston, Mass. Cooling container or so-called "dry container" for ice cream and similar products to be maintained cold for many hours. 1,462,450; July 17.
- Graham, James J., et al. (See Riddel, Sherrod, assignor.)

- Graham, Thomas de L., assignor of one-third to F. M. Cleveland, Philadelphia, Pa. Automobile headlight and reflector. 1,462,036; July 17.
- Grant, Albert E., New York, N. Y. assignor to Calorol Burner Corporation. Process and apparatus for mixing and burning oil. 1,462,464; July 17.
- Grant, Harry C., Bayonne, N. J. Universal joint for shafts. 1,462,276; July 17.
- Graveure, Louis, New York, N. Y. Casing for smoking pipes. No. 1,462,277; July 17.
- Gray, Wallace M., Cincinnati, Ohio. Locomotive water column. 1,462,134; July 17.
- Greasley, Harry M., Corry, Pa. Attachment for tractors. 1,462,451; July 17.
- Greene, Frederick J., assignor to Greene Mfg. Co., Racine, Wis. Locking bar. 1,462,278; July 17.
- Greene Mfg. Co. (See Greene, Frederick J., assignor.)
- Greenfield, Benjamin, Bartlesville, Ohio, assignor, by mesne assignments, to Doherty Research Company, New York, N. Y. Fluid meter. 1,462,170; July 17.
- Greninger, Wilhelm F. D., Bridgeport, Conn. Metal tubular shade roller. 1,462,171; July 17.
- Groby, Frederick W., River Edge, N. J. Accounting sheet. 1,461,757; July 17.
- Groehn, Otto J., assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich. Torch burner. 1,461,897; July 17.
- Gross, Gilbert M., Eldorado Springs, Mo. Sterilizing container. 1,462,334; July 17.
- Gross, Seymour R. (See Wilson, Robert E. and R. E., assignors.)
- Gross, Thomas A., Frederick, Okla. Apparatus for treating gasoline. 1,462,335; July 17.
- Grote, Ludwig, Tottenham London, England. Burner of the injector type. 1,461,873; July 17.
- Grundy, Alfred A., assignor of one-third to himself, one-third to G. Grushlaw, and one-third to J. Sichel, Philadelphia, Pa. Means for finishing fabrics. 1,462,172; July 17.
- Grushlaw, George, et al. (See Grundy, Alfred A., assignor.)
- Gudgel, Everett D., and M. M. Corey, assignors to R. D. Swisher Mfg. Co., Chicago, Ill. Stamp mount and index. 1,462,200; July 17.
- Guerrieri, Joseph, San Francisco, Calif. Artichoke trimmer and cutter. 1,461,874; July 17.
- Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Elastic fabric. 1,462,279; July 17.
- Gurney, Dayton A., Caro, Mich. Trail stop. 1,462,280; July 17.
- Gustafson, Charles J. (See Cole, D., and Gustafson.)
- Haanel, Walter L., Chicago, Ill. Electric fountain. 1,462,281; July 17.
- Haas, Rudolf, Baden, Germany, assignor to Techno Service Corporation, New York, N. Y. Percussion fuse. 1,462,173; July 17.
- Hacheney, Frank C., John Day, Ore. Adjustable wrench. 1,461,875; July 17.
- Hackett, Arthur E. (See Eberhardt, N. S., and Hackett.)
- Hagelstein, Christian H. T., assignor to The Reece Button Hole Machine Company, Boston, Mass. Stop motion. 1,461,876; July 17.
- Hale, John, Reedsville, Wis. Brooder. 1,462,236; July 17.
- Hale, Lee M., Chicago, Ill. Lubricating device. 1,462,174; July 17.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Electrical instrument. 1,462,337; July 17.
- Hall, Frank P., Mont Alto, Pa. Adjustable reclining chair. 1,462,005; July 17.
- Hall, George W., Topeka, Kans. Mechanical orchestra. 1,462,006; July 17.
- Hall Manufacturing Company, The. (See Wernimont, Frank T., assignor.)
- Halden, Karl W., Waterbury, Conn. Sheet-metal cutting-off machine. 1,461,898; July 17.
- Halden, Karl W., Waterbury, Conn. Sheet-metal cutting-off machine. 1,461,899; July 17.
- Halloran, Patrick. (See Basel, Frank, assignor.)
- Hamer, Leland S., Fullerton, assignor of one-half to W. Wilson, Los Angeles, Calif. Pipe-hook tongs. 1,462,037; July 17.
- Hamilton, Baxter P. (See Parker, R. D., and Hamilton.)
- Hammond, Clint., and W. Inman, assignors of one-third to said Inman and two-thirds to H. J. Heaton and S. Hooper, Boyne City, Mich. Accelerator. 1,461,774; July 17.
- Hampden Toy Company, The. (See Brazee, Raymond L., assignor.)
- Hanft, George A., assignor to Newark Mask Co. Inc., Irvington, N. J. Cord terminal for mask fasteners. 1,461,900; July 17.
- Hans, Edmund E., Kalamazoo, Mich. Filtering means for lubricating systems. 1,462,175; July 17.
- Hansen, Maurice H., Seattle, Wash. Cylinder-reboring machine. 1,461,877; July 17.
- Hansmann, Paul, and H. Strack, Long Prairie, Minn. Antiside-draft plow. 1,462,135; July 17.
- Hardesty, Leslie F., Terra Alta, W. Va. Trap. 1,462,007; July 17.
- Hardwood, George S., & Son. (See Howe, Joseph B., assignor.)
- Harmata, Ilko, Boyle, Alberta, Canada. Automatic bridge gate. 1,461,901; July 17.
- Harmon, Edwin L., assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,731; July 17.
- Harms, Charles A., Indianapolis, Ind., assignor, by mesne assignments, to Ludlow Typograph Company, Chicago, Ill. Typograph mechanism. 1,462,338; July 17.
- Harper, A., Sons, and Bean Limited. (See Richards, John W., assignor.)
- Harris, Edward R. (See Jones, E. W., and Harris.)
- Harris, Holmes, Washington, D. C. Combined envelope and letter sheet. 1,461,879; July 17.
- Harrison, Burt S., Brooklyn, N. Y., assignor to Drying Systems, Inc., Chicago, Ill. Air heater. 1,462,339; July 17.
- Hart, H. Stillson, et al. (See Hilgerink, Frank M., assignor.)
- Hart, Harry S., Chicago, Ill. Dump car. 1,461,732; July 17.
- Hart, John J., Omaha, Nebr. Device for cooking utensils. 1,462,105; July 17.
- Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Modulating system. 1,462,038; July 17.
- Hartmeyer, August W., Los Angeles, Calif. Toilet-paper holder. 1,462,176; July 17.
- Hartwick, Ernest F., Greenfield Township, Wayne County, assignor to Detroit Trailer Company, Detroit, Mich. Trailer connection. 1,461,880; July 17.
- Harvey, John E., Milton, Mass. Thermostatic control. 1,461,878; July 17.
- Harvey, Louis B., Stockton, Calif., assignor to Harvey Rim & Wheel Company, Inc., Buffalo, N. Y. Fixed-rim construction for disk wheels. 1,462,282; July 17.
- Harvey Rim & Wheel Company. (See Harvey, Louis B., assignor.)
- Hatch, L. O., et al. (See Slauson, Stephen A., assignor.)
- Hatfield, Robert L. (See Snyder, Walter, assignor.)
- Hauenstein, Oscar, Uniontown, Pa. Dispensing and measuring device. 1,462,407; July 17.
- Haughton Elevator & Machine Co., The. (See Thurston, Ernest B., assignor.)
- Hawes, Herbert E., Milwaukee, Wis. Propelling device for aircraft. 1,461,733; July 17.
- Heaton, Hylon J., et al. (See Hammond, C., and Inman, assignors.)
- Hedges, Edward G., Newark, and W. W. Heroy, Bloomfield, N. J. Means for controlling flush-tank valves. 1,462,106; July 17.
- Hegg, Frederick N., et al. (See Fellroth, Erick O., assignor.)
- Hegnes, Peter J., Canton, S. Dak. Vending machine. 1,462,283; July 17.
- Heide, William A., Detroit, Mich. Spark plug. 1,461,797; July 17.
- Heisey, A. H., & Co. (See Sanford, Andrew J., assignor.)
- Henderson, Carl, Oak Park, assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Water distributor for lithographing presses. 1,462,136; July 17.
- Hendrickson, Charles J., assignor to Western Electric Company, Incorporated, New York, N. Y. Centrifugal governor. 1,462,087; July 17.
- Henniger, Theodore F., Memphis, Tenn. Fruit picker. 1,462,008; July 17.
- Herman, Max, New York, N. Y. Making hydrated lime. 1,462,284; July 17.
- Heroy, Walter W. (See Hedges, E. G., and Heroy.)
- Hersh, Edward H., Altoona, Pa. Coal-tipple attachment. 1,461,844; July 17.
- Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
- Higginson, Edward G., Providence, R. I. Corner stay for boxes. 1,462,009; July 17.
- Hildebrand, Wilhelm, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany. Brake accelerator. 1,461,846; July 17.
- Hildebrand, Wilhelm, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany. Control valve for air brakes. 1,461,845; July 17.
- Hildreth, Andrew G., Worcester, Mass. Combination overalls. 1,461,798; July 17.
- Hilger, George, Chicago, Ill. Refrigerated display apparatus. 1,462,285; July 17.
- Hilgerink, Frank M., assignor to H. S. Hart and C. F. Pitts, trustees, Chicago, Ill. Cleaning-process gun. 1,461,824; July 17.
- Hill, Albert C., Chicago, Ill. Automobile lock. 1,462,137; July 17.
- Hill, Mathew B. (See Muller, G., and Hill.)
- Hirst, Arnold. (See Hirst, Rowland R. and A.)
- Hirst, Rowland R. and A., Halifax, England. Tennis post. 1,462,201; July 17.
- Holman, Harry T., Summerside, Prince Edward Island, Canada. Fox pen. 1,462,107; July 17.
- Holmes, Bradford B., New York, N. Y., assignor to J. W. Weeks, Secretary of War of the United States of America, trustee. Leather gasket. 1,461,902; July 17.
- Holywell, Harold S., Brooklyn, N. Y. Telephone pencil holder. 1,462,108; July 17.

- Hood Rubber Company. (See Glidden, Alfred A., assignor.)
- Hooks, Bentley R., Amarillo, Tex. Safety appliance for railway switches. 1,462,010; July 17.
- Hooper, Sabin, et al. (See Hammond, C., and Inman, assignors.)
- Hoopes, Samuel L., and A. A. Gietzelt, Fresno, Calif. Running-board apron guard. 1,461,903; July 17.
- Hopkins, Michael S., Columbus, Ohio. Pressure indicator. 1,462,109; July 17.
- Hopper, Earle B., Ridgewood, N. J. Surgical instrument. 1,462,202; July 17.
- Hosford, William F., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable-measuring device. 1,461,758; July 17.
- Hostetter, Jacob T., and F. J. Keiser, Sharon, Pa. Valve. 1,462,110; July 17.
- Hork, James P., Mountain Grove, Mo. Railway crossing. 1,462,408; July 17.
- Howard, De Witt E., Ridgewood, N. J. Lathe center. 1,462,409; July 17.
- Howe, Ernest G. (See Rockwell, R. L., and Howe.)
- Howe, Ernest G., trustee. (See Rockwell, R. L., and Howe, assignors.)
- Howe, Joseph B., Worcester, assignor to George S. Harwood & Son, Boston, Mass. Adjustable feed-roll journal for card feeders. 1,462,203; July 17.
- Hoyem, George A., Lennep, Mont. Cleaning implement. 1,461,904; July 17.
- Hrobosky, Robert, assignor of one-half to W. G. Miller, Watertown, Wis. Merry-go-round. 1,461,881; July 17.
- Huber, Herman J. H., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,462,340; July 17.
- Hughes, Arthur S., Mansfield, Ohio. Truck body. 1,461,905; July 17.
- Hughes, Arthur S., Mansfield, Ohio. Sheet-metal construction for truck bodies, racks, etc. 1,461,906; July 17.
- Hughes, Arthur S., Mansfield, Ohio. Sheet-metal construction for truck bodies, etc. 1,461,907; July 17.
- Hulburd Engineering Company. (See Tutt, Montague W., assignor.)
- Hutcherson, Ira, Keokuk, Iowa. Combination woven-vice stretcher and hoist. 1,462,011; July 17.
- Hutchins Car Roofing Company. (See Thompson, W. D., and Wilson, assignors.)
- Hutton, William F. (See Ivarson, Victor, assignor.)
- Hydraulic Pressed Steel Company, The. (See Foster, H. J., and Thomas, assignors.)
- Hyno, Charles J. C. W., Bradford, England. Apparatus for aerating liquids. 1,462,063; July 17.
- Ibach, Benjamin F. (See Wright, A. W., and Ibach.)
- India Tire & Rubber Company, The. (See Lerch, William G., assignor.)
- Ingersoll-Rand Company. (See Parsons, Frederick W., assignor.)
- Inman, William. (See Hammond, C., and Inman.)
- International Motor Company. (See Adams, W. R., and Pound, assignors.)
- International Silver Company. (See Geib, William, assignor.)
- Interstate Folding Box Company. (See Bergstein, Samuel, assignor.)
- Interstate Folding Box Company. (See Butterfield, Charles, assignor.)
- Ivarson, Victor, Cleghorn, assignor to W. F. Hutton, Cherokee, Iowa. Tractor attachment. 1,462,341; July 17.
- Izard, Henry, Portland, Oreg. Oil burner. 1,461,908; July 17.
- Jackson, Harry R., assignor of one-half to H. A. May, Chicago, Ill. Governing valve for internal-combustion motors. 1,461,847; July 17.
- Jacoby, Lyle, Paris, Ky. Acorplane. 1,462,410; July 17.
- James, George H., assignor to American Engineering Company, Philadelphia, Pa. Anchor. 1,462,342; July 17.
- Jandos, Charles B., Windsor, assignor of two-fifths to E. D. De Soto, Denver, Colo. Centrifugal separator. 1,461,909; July 17.
- Jaquelin, William, Waterbury, Conn. Tube-forming machine. 1,461,848; July 17.
- Jarzyna, Frank. (See Tobis, F., and Jarzyna.)
- Jeannotte, Leon, Gravelbourg, Saskatchewan, Canada. Single-ree construction. 1,461,910; July 17.
- Jeffery, Alfred. (See Ellis, T. C., Jeffery, and Madocks.)
- Jerkins, Thomas A., Jersey City, N. J. Ventilator. 1,462,343; July 17.
- Jenners, Martin C. (See Funk, F. M., and Jenners.)
- Jepson, William, London, England. Wash machine. 1,462,286; July 17.
- Jerry, Centennial W., Cumberland, Wis. Attachment for wheeled scoops or scrapers. 1,461,775; July 17.
- Jobke, August F., Pittsburgh, Pa. Magnetic separator. 1,462,111; July 17.
- Johnson, August, Toivola, Minn. Guard rail. 1,462,344; July 17.
- Johnson, Lane, Ingram, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Reel. 1,462,411; July 17.
- Johnson, Uno, Brooklyn, N. Y. Compasses. 1,462,412; July 17.
- Johnston, John O., Newark, N. J. Side car for motor cycles. 1,461,759; July 17.
- Jonas, Julius, Melcherhof, Baden, and O. Seitz, Oberer Kappelerhof, Baden, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Mercury-vapor pump for high vacuums. 1,462,112; July 17.
- Jones, Earle W., New York, N. Y., and E. R. Harris, Arlington, N. J. Making phonographic records. 1,461,849; July 17.
- Jones, Thomas E., Peru, assignor of one-half to L. M. Stump, Plymouth, Ind. Battery-strap mold. 1,462,364; July 17.
- Jordahn, Gus, Palm Beach, Fla. Pneumatic support. 1,461,911; July 17.
- Joyce, James T., trustee. (See Laursen, Laurits A., assignor.)
- Julian & Kokenge Company, The. (See Bohr, Henry B., assignor.)
- Kacker, Henry J. F. T., Birmingham, Ala. Bag-cleaning machine. 1,461,850; July 17.
- Kagermeier, Frank, New Ulm, Minn. Concrete building block. 1,461,851; July 17.
- Kaim, Henry J., St. Paul, Minn. Reversing mechanism for lathes. 1,461,776; July 17.
- Kalamazoo Loose Leaf Binder Co. (See Wigginton, George P., assignor.)
- Kaltenbach, John, Waterloo, Iowa. Sash fastener. 1,462,345; July 17.
- Kanak, Joseph C., Chicago, Ill. Hot-air furnace. 1,462,287; July 17.
- Kant-Break Ladders, Inc. (See Walchli, George H., assignor.)
- Kaplan, Abraham I., Brunswick, Md. Radiator thermostat. 1,462,012; July 17.
- Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Driving arrangement for ships. 1,461,852; July 17.
- Katz, Herman. (See Akey, M. R., and Katz.)
- Keiser, Frederick J. (See Hostetter, J. T., and Keiser.)
- Kellerman, Charles F., Battle Creek, Mich. Traffic signal. 1,462,365; July 17.
- Kellogg, Henry E., Mountain View, Calif. Submerged bearing. 1,462,366; July 17.
- Kelly, Adelbert F., Spokane, Wash. Vehicle wheel. 1,461,912; July 17.
- Kelly, Albert A., London, England. Production of sodium decaborate from boron ores. 1,462,064; July 17.
- Kelly, William H., Cheyenne, Wyo. Propeller for flying machines. 1,461,913; July 17.
- Kennedy, Homer R., assignor to J. J. Mathe, Los Angeles, Calif. Sheet-metal-rolling machine for fenders and the like. 1,461,853; July 17.
- Kent, George S. (See Dutro, C. O., and Kent.)
- Kent, Reginald W. (See Dutro, C. O., and Kent.)
- Kerr, Samuel, Caruthers, Calif. Kick-off for hand trucks. 1,462,233; July 17.
- Kersten, Samuel, Chicago, Ill. Combination faucet and mixing nozzle. 1,462,413; July 17.
- Kiesel, William F., jr., Altoona, Pa. Valve for power reverse gears. 1,461,854; July 17.
- Kilborn, Karl B., and W. S. Wolfe, assignors to The Good-year Tire & Rubber Company, Akron, Ohio. Manufacturing pneumatic tires and the like. 1,462,452; July 17.
- Kincaid, Robert L., Syracuse, N. Y. Washing machines. 1,461,914; July 17.
- Kirkpatrick, William L. (See O'Flaherty, L. F., and Kirkpatrick.)
- Kleinert, I. B., Rubber Company. (See Brock, Max, assignor.)
- Kleinert, I. B., Rubber Company. (See Guinzburg, Victor, assignor.)
- Kline, Charles H., Pittsfield, Mass., assignor to General Electric Company. Protective device for electrical apparatus. 1,462,346; July 17.
- Knorr-Bremse Aktiengesellschaft. (See Hildebrand, Wilhelm, assignor.)
- Knowles, Madison M., and J. N. Bates, Fort Branch, Ind. Tractor hitch. 1,462,414; July 17.
- Knox, William J., New York, assignor, by mesne assignments, to said Knox and A. R. Speer, Bronxville, N. Y. Process and apparatus for extracting hydrocarbons from oil wells and oil-bearing strata. 1,462,288; July 17.
- Knudsen, Svend J., Copenhagen, Denmark. Electric safety fuse. 1,462,013; July 17.
- Kober, Fritz, Suhl, Germany. Apparatus for cleaning the outside of boiler tubes. 1,462,415; July 17.
- Koch, Fritz, St. Paul, Minn. Centrifugal separating machine. 1,461,777; July 17.
- Korus, Lewis F., Minneapolis, Minn. Key ring and the like. 1,462,205; July 17.
- Kosan, Julius, Cleveland, Ohio. Stacker for thrashing machines. 1,462,289; July 17.
- Kramer, Andrew A., Kansas City, Mo. Partition support and surge plate. 1,462,347; July 17.
- Krefl, Victor, Two Rivers, Wis. Shock absorber. 1,461,915; July 17.
- Krehlik, Albert, Cleveland, Ohio. Adjusting mechanism for transmission bands. 1,461,916; July 17.
- Kroesser, Ludwig J., Stoneham, Mass. Curtain-rod support. 1,461,855; July 17.
- Kuen, Eugene A., assignor to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio. Closure construction for auto lamps. 1,461,799; July 17.

- Kuhner, Oscar, Columbus, Ohio. Temporary end closure for locomotive valve chambers. 1,462,113; July 17.
- Kysela, Rudolph, assignor of one-half to L. V. Starr, Los Angeles, Calif. Motor-control means and system and method. 1,461,917; July 17.
- Lafferty, Herbert D. (See Von Hambach, Ernest, assignor.)
- Lahnners, William, et al. (See Riddel, Sherrod, assignor.)
- Laist, Frederick, Anaconda, Mont., assignor to Anaconda Copper Mining Company. Hydrometallurgical precipitation of copper. 1,461,918; July 17.
- La Londe, William S., Evanston, Ill. Electric switch for automobile gasoline tanks. 1,461,825; July 17.
- La Malta, Thomas L., Memphis, Tenn. Cut-off saw. 1,461,919; July 17.
- La May, Thomas D. (See Eaton, W. B., and La May.)
- La Montagne, Patrick P., Bourbonnais, assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill. Machine for uniting looped fabrics. 1,462,367; July 17.
- Landers, Frary & Clark. (See Warner, Alonzo A., assignor.)
- Lane, Bert E., Camden, N. J. Talking machine. 1,462,114; July 17.
- Langston, Samuel M., Wenonah, N. J. Machine for making fiber shingles. 1,462,138; July 17.
- Larson, Christian H., Guffey, Tex. Tire-rim rack. 1,462,455; July 17.
- Larson, Robert E., San Diego, Calif. Musical-instrument rack. 1,461,920; July 17.
- La Sares, George C., Springfield, Mass., assignor to C. E. Bradley Corporation, Brattleboro, Vt. Jump rope. 1,462,088; July 17.
- Latour, Marius, Paris, France. Telephone repeating system. 1,462,368; July 17.
- Lauby, Aloysius L., Antigo, Wis. Track-rail joint and safety device. 1,462,290; July 17.
- Laughlin, Edward A., Port Arthur, Tex. Routing mechanism. 1,462,234; July 17.
- Laursen, Laurits A., Eau Claire, Wis., assignor to J. T. Joyce, trustee for United States Auto Gear Shift Company. Gear-shifting device. 1,462,139; July 17.
- Lauster, Wilbert E., Yatesboro, Pa. Valve-testing device. 1,462,115; July 17.
- La Wall, Harold J., and C. E. Wetzel, Philadelphia, Pa. System of bookkeeping. 1,462,140; July 17.
- Lawrence, Oscar A., assignor to U. H. Roberts, San Francisco, Calif. Window spring. 1,462,235; July 17.
- Lederer, Anton, Vienna, Austria, assignor to Westinghouse Lamp Company. Electric gas lamp. 1,461,921; July 17.
- Lee, Bernard J., Los Angeles, Calif. Attachment for headlights. 1,462,065; July 17.
- Leidecker, Joseph M., and J. G. Burch, Bartlesville, Okla. Apparatus for spooling wire. 1,462,014; July 17.
- Leitch, Lucy B., administratrix. (See Leitch, Meredith.)
- Leitch, Meredith, deceased, Poughkeepsie, N. Y., by L. B. Leitch, administratrix, Gordonville, Va., assignor to The De Laval Separator Company, New York, N. Y. Braking device for centrifugal machines. 1,462,141; July 17.
- Leitch, Roy C., Kansas City, Mo. Car-check holder. 1,462,015; July 17.
- Lerch, William G., Akron, assignor to The India Tire & Rubber Company, Mogadore, Ohio. Tire construction. 1,462,453; July 17.
- Les Successeurs d'Albert Godde, Bedin & Co. (See Vignon, Louis E., assignor.)
- Letsch, Frederick W., Baltimore, Md. Assembling and transfer mechanism. 1,462,116; July 17.
- Lewis, Eddie A., Belleville, Kans. Universal joint and power transmission. 1,462,016; July 17.
- Lewis, George T., Middleville, N. Y. Split piston for internal-combustion engines and analogous uses. 1,462,089; July 17.
- Lewis, Robert S., assignor of one-half to Ransomes & Rapier Limited, Ipswich, England. Hoisting and luffing mechanism for cranes. 1,461,800; July 17.
- Lincoln Steel and Forge Company. (See Barke, Frank S., assignor.)
- Lindskoog, Carl I., et al. (See Fellroth, Erick O., assignor.)
- Lindstrom, Frank L., Bridgeport, Conn. Toy. 1,462,090; July 17.
- Lindstrom, Frank L., Bridgeport, Conn. Spinning top. 1,462,091; July 17.
- Little, William E., Chicago, Ill. Combined toothbrush and dentifrice container. 1,461,922; July 17.
- Lloyd, Rannie S., Maysville, N. C. Composition for varnish. 1,462,236; July 17.
- Lo Cascio, Pasquale, Brooklyn, assignor to Toy Business Corporation, New York, N. Y. Indicator. 1,462,028; July 17.
- Locke, Alfred M., Milwaukee, Wis. Compact attachment. 1,461,923; July 17.
- Lockhart, Howard, Falls City, Nebr., assignor to E. L. Vernon, Akron, Colo. Tank heater. 1,462,237; July 17.
- Lowe, James H., Based, Boro' Green, England. Dandy roll. 1,462,369; July 17.
- Ludlow Typograph Company. (See Harms, Charles A., assignor.)
- Lum, George R., assignor to Western Electric Company, assignor to Western Electric Company, Incorporated, New York, N. Y. Loud-speaking telephone receiver. Des. 62,672; July 17.
- Lux Clock Manufacturing Company. (See Lux, Paul, assignor.)
- Lux, Paul, assignor to Lux Clock Manufacturing Company, Waterbury, Conn. Alarm clock. 1,462,142; July 17.
- Luyties, Otto G., Mount Vernon, N. Y. Vehicle headlight. 1,461,924; July 17.
- Lykins, William H., Sioux City, Iowa. Milk-bottle holder. 1,462,370; July 17.
- Lynch, Francis T., Baltimore, Md. Refrigerator. 1,462,206; July 17.
- Lyons, Joseph, Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for producing cool light. 1,462,348; July 17.
- McAlonie, Howard. (See Slattery, M. F., and McAlonie.)
- McCarthy, Charles M., Minneapolis, Minn. Wire-cloth display roll rack. 1,462,349; July 17.
- McClintock, Charles N., Elwood, Ind. Tire and rim construction. 1,462,117; July 17.
- McConahy, Newell C., Tyrone, Pa. Indicator. 1,462,371; July 17.
- McCrink, Joseph, Newark, N. J. Bottle protector. 1,462,291; July 17.
- McCullough, Harvey G. (See Painter, J. A., and McCullough.)
- McDaniel, James M., Amarillo, Tex. Gate. 1,462,066; July 17.
- McDermott, Lyle C., Pocatello, Idaho. Flycatcher. 1,462,415; July 17.
- McEachron, Edgar J., assignor to French Battery & Carbon Co., Madison, Wis. Battery lamp. 1,462,207; July 17.
- McFadden, Glenn E., Lakewood, Ohio. Plate for lighting fixtures. Des. 62,673; July 17.
- McFarlane, Robert E. (See Cavanagh, E. M., and McFarlane.)
- McGregor, Alexander G., Warren, Ariz. Apparatus for charging reverberatory furnaces. 1,461,801; July 17.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Device for guiding, clearing, and tensioning yarn. 1,462,292; July 17.
- McKenna, John T., New York, N. Y. Garment hanger. 1,462,067; July 17.
- McKone, Leo J., Chicago, Ill., assignor to Mid-West Manufacturing Company, Minneapolis, Minn. Dolly jack. 1,462,039; July 17.
- McKone, Leo J., Chicago, Ill., assignor to Mid-West Mfg. Co., Minneapolis, Minn. Tire-changing jack. 1,462,040; July 17.
- McKoy, Edwin A., and G. D. Moore, New Orleans, La. Stump harvester. Re15,655; July 17.
- McMillen, George A., Alton, Ill. Hernial truss. Re-15,657; July 17.
- McMullen, John, Butte, Mont. Theft-preventing device for automobiles. 1,462,118; July 17.
- McRoberts, David O., Stewardson, Ill. Bag holder. 1,461,802; July 17.
- MacBride Co. (See MacBride, G. W., and Bonney, assignors.)
- MacBride, George W., and G. C. Bonney, Boston, Mass., assignors to MacBride Co., Southport, Me. Band brake. 1,461,803; July 17.
- Mack, Joseph A., Minturn, Colo. Flytrap. 1,461,925; July 17.
- Mackintosh-Hemphill Company. (See Nisbet, David F., assignor.)
- Maddocks, Harry. (See Ellis, T. C., Jeffery, and Maddocks.)
- Madison, Minnie B., executrix. (See Madison, Oliver C.)
- Madison, Oliver C., deceased, Omaha, Nebr., M. B. Madison, executrix. Toy pistol. 1,461,778; July 17.
- Majestic Electric Development Company. (See Richardson, Earl H., assignor.)
- Malécot, Lucien, Grand Croix, France. Washer for classifying coal, minerals, or the like. 1,462,418; July 17.
- Malloy, Patrick F., Milwaukee, Wis. Railway ticket. 1,461,926; July 17.
- Mandel, Carl, San Francisco, Calif. Picture-retaining device for picture frames. 1,462,419; July 17.
- Manhattan Bone Company. (See Sisbower, G. F., and Pittoni, assignor.)
- Manley, Frederick T., Houston, Tex., assignor to The Texas Company, New York, N. Y. Cracking hydrocarbon oils. 1,462,143; July 17.
- Manning, Levi H., Tucson, Ariz. Treating hydrocarbon oils. 1,462,068; July 17.
- Manning, Levi H., Tucson, Ariz. Apparatus for treating hydrocarbon oils. 1,462,069; July 17.
- Manning, Maxwell & Moore, Inc. (See Graesser, Carl H., assignor.)
- Marswerke A.-G. (See Franzenburg, Claus, assignor.)
- Martin, William A., Wellington, Colo. Dividing-board regulator. 1,462,017; July 17.
- Mason, Henry W., New Bedford, Mass. Heating furnace. 1,462,018; July 17.
- Mason, John, Philadelphia, Pa. Tool for pneumatic riveters. 1,462,293; July 17.
- Mathe, Joseph J. (See Kennedy, Homer R., assignor.)

- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector and sleet remover. 1,461,781; July 17.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Holding device. 1,461,779; July 17.
- Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Support for electric conductors. 1,461,780; July 17.
- May, Henry A. (See Jackson, Harry R., assignor.)
- Mayo, Ernest A., Evanston, Ill. Building construction. 1,462,208; July 17.
- Mayo, Robert D., Cleveland, Ohio. Combined tooth-brush and water-glass holder. 1,461,804; July 17.
- Megley, Harley J., Chicago, Ill. Typographical mold. 1,461,927; July 17.
- Meng, Arthur, Cleveland, Ohio. Spectacles-display holder. Des. 62,674; July 17.
- Mennillo, Ciro R., New City, N. Y. Spare-tire lock. 1,462,238; July 17.
- Merrill Company, The. (See Silver, Albert, assignor.)
- Merrill, Wilbur L., and H. A. Winne, Schenectady, N. Y., assignors to General Electric Company. Electric steam boiler. 1,462,350; July 17.
- Morrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Edging or border finish. 1,462,372; July 17.
- Morrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Edging or border finish. 1,462,373; July 17.
- Morrow Machine Company, The. (See Morrow, Joseph M., assignor.)
- Messer, Adolf, Frankfort-on-the-Main, Germany. Cooling air. 1,462,177; July 17.
- Metals Patents Limited. (See Pearson, R. E., and Craig, assignors.)
- Metz, Leo V., Erie, Pa. Concrete block. 1,462,374; July 17.
- Meyer, Franz, assignor to the Firm of Carl Zeiss, Jena, Germany. Apparatus for testing bolt threads. 1,461,782; July 17.
- Meyer, Gottfried, Verdale, Minn. Preparing cheese. 1,462,375; July 17.
- Meyer, Mabelle A., New York, N. Y. Atomizer. 1,462,041; July 17.
- Michelsen, William J., Chicago, Ill. Illuminated display sign. 1,462,351; July 17.
- Mid-West Manufacturing Company. (See McKone, Leo J., assignor.)
- Miehle Printing Press and Manufacturing Company, The. (See Henderson, Carl, assignor.)
- Mikaelson, Erik W., and A. A. Neave, Easton, Pa., assignors to Treadwell Engineering Company. Grinding machine. 1,462,420; July 17.
- Miller, Frederick C., Chicago, Ill. Wheel tire. 1,461,928; July 17.
- Miller, William G. (See Hrobsky, Hobert, assignor.)
- Millot, Marius F., Paris, France. Safety dispensing device. 1,462,352; July 17.
- Mills, Thomas. (See Pfeifer, F. A., and Naab, assignors.)
- Miner, Frank J., Detroit, Mich. Universal conduit box. 1,462,209; July 17.
- Mitchell, Charles, Woodstock, Ontario, Canada. Railway-car-wheel clamp. 1,462,294; July 17.
- Mix, Edwin S., assignor to Hickock Manufacturing Company, Rochester, N. Y. Belt buckle. 1,461,826; July 17.
- Moetteli, Arnold, Oberwinterthur, Switzerland. Arrangement in coke containers or the like. 1,462,119; July 17.
- Mollenkopf, Artur, Lubeck, Germany. Window, especially for railway, tramway, and other vehicles. 1,462,239; July 17.
- Monarch Governor Company. (See Pierce, E. Ralph, assignor.)
- Monroe Calculating Machine Company. (See Britten, Edwin F., jr., assignor.)
- Monroe, Gilbert K., Sidney, Ohio. Mold. 1,461,929; July 17.
- Monroe, William H., San Jose, Calif. Land leveler. 1,462,120; July 17.
- Moore, Edward J. and R. H., assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Sand-blast apparatus. 1,462,295; July 17.
- Moore, Edward J. and R. H., assignors to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Sand-blast apparatus. 1,462,296; July 17.
- Moore, George D. (See McKoy, E. A., and Moore.)
- Moore, Raymond H. (See Moore, Edward J., and R. H.)
- Morabito, Dominick. (See Croce, T., and Morabito.)
- Morant, Henry C. F., Hawthorn, Victoria, Australia. Film developing apparatus. 1,462,019; July 17.
- Morehead, John, Detroit, Mich. Steam trap. 1,462,144; July 17.
- Morinsky, Louis, New York, N. Y., assignor, by mesne assignments, to The Cracker Jack Co. Apparatus for moistureproofing packages. 1,461,760; July 17.
- Moss, John J., Chicago, Ill. Telephone support. 1,462,240; July 17.
- Motala Verkstads Nya Aktiebolag. (See Von Porat, Karl H. V., assignor.)
- Moylan, Edward M., Boston, Mass. Razor-blade holder. 1,462,210; July 17.
- Muir, William F., Fresno, Calif. Drain board for sinks. 1,462,178; July 17.
- Muller, Gottlieb, and M. B. Hill; said Hill assignor, by mesne assignments, of his entire right to J. B. Taylor, Philadelphia, Pa. Water circulator for auto engines. 1,462,042; July 17.
- Munford, John P., Brooklyn, N. Y. Safety clothesline bracket. 1,462,241; July 17.
- Murnane, Daniel J., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Store-front construction. 1,462,211; July 17.
- Murphy, G. W. J., Company. (See Foss, Laurence M., assignor.)
- Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
- Murray, John D., San Francisco, Calif. Spray nozzle. 1,462,020; July 17.
- Murray, Michael K., Bloomfield, N. J. Tennis-court marker. 1,462,145; July 17.
- Musted, George G., Partick, Glasgow, Scotland. Manhole door. 1,462,353; July 17.
- Myers, Eugene V., East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Dust cap or the like. 1,462,021; July 17.
- Myers, Joseph E., Tacoma, Wash. Blade holder. 1,462,146; July 17.
- Myers, Joseph R., Chicago, Ill. Folding box. 1,462,297; July 17.
- Naab, Charles. (See Pfeifer, F. A., and Naab.)
- Naegele, Arthur V. (See Piper, W. A., and Naegele.)
- Narrow Fabric Co., The. (See Busch, Conrad J., assignor.)
- Nashua Manufacturing Company. (See Caron, Napoleon, assignor.)
- National Brake & Electric Company. (See Aikman, Burton S., assignor.)
- National Paper Can Company, The. (See Brooks, Lewis C., assignor.)
- Neave, Andrew A. (See Mikaelson, E. W., and Neave.)
- Neher, Samuel I., Keystone, Ind. Cultivator attachment for tractors. 1,462,022; July 17.
- Nelson, Martin L., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,461,980; July 17.
- Neumayer, Frederick W., Baltimore, Md. Type line-casting machine. 1,462,298; July 17.
- Newark Mask Co. (See Hanft, George A., assignor.)
- Newman, William S., Alexandra, Victoria, Australia. Means of single-article delivery from containers. 1,461,981; July 17.
- Newton, Merle M., Colorado Springs, Colo. Separator. 1,462,121; July 17.
- Nisbet, David F., Crafton, assignor to Mackintosh-Hemphill Company, Pittsburgh, Pa. Manipulator for rolling mills. 1,462,454; July 17.
- Nissen, Eugene F., Alameda, Calif. Envelope machine. 1,461,827; July 17.
- Nitrum Aktiengesellschaft. (See Siebert, Werner, assignor.)
- Noblenky, Walter W., Janesville, Wis. Steam board. 1,461,930; July 17.
- Nordmeyer, Louis C., St. Louis, Mo. Process and apparatus for making ice. 1,461,828; July 17.
- Norwood, John E., Baltimore, Md. Piston ring. 1,462,043; July 17.
- Oberst, Frank, Glendale, N. Y., assignor to Sonora Phonograph Corporation. Tone arm. 1,461,829; July 17.
- O'Connor, Martin J., Ogden, Utah. Cylinder lock. 1,462,299; July 17.
- O'Flaherty, Leo F., and W. L. Kirkpatrick, Elgin, Ill. Valve. 1,462,147; July 17.
- Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
- Ogden, Jacob W. (See Pitney, A. H., and Ogden.)
- Ogden, John E., Mountainville, N. Y. Sectional door. 1,462,044; July 17.
- Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
- Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
- Ohio Brass Company, The. (See Wood, Arthur C., assignor.)
- Olsen, Hans A. (See Raasch, August J. and E. H., and Olsen.)
- O'Neil, Rodolph S., London, England. Electrical indicating device. 1,461,830; July 17.
- Osborn-Crew Manufacturing Company, The. (See Rose, Jacob B., assignor.)
- Osmondson, Osmond A., Chicago, Ill. Hand feed for drill presses. 1,461,931; July 17.
- Ostrowski, Bennie F., San Jose, Calif. Vanity case. 1,462,376; July 17.
- Oswald, Louis N., Orleans, Nebr. Clothespin. 1,461,982; July 17.
- Owens Bottle Company, The. (See Williams, P. Q., and Sourbier, assignors.)
- P & M Company, The. (See Berkeley, Laurence J., assignor.)
- P & M Company, The. (See Warr, Harold G., assignor.)
- Packard Motor Car Company. (See Vincent, Jesse G., assignor.)

- Painter, John A., Hominy, Okla., and H. G. McCullough, Angola, N. Y. Pipe clamp and wrench. 1,462,377; July 17.
- Panario, Eugene F., and W. B. Cross, Sacramento, Calif. Racing device. 1,462,242; July 17.
- Parker, Fred J., Moose Jaw, assignor of two-fifths to T. F. Acheson, Yorkton, Saskatchewan, Canada. Cover remover. 1,461,983; July 17.
- Parker, Ralzemond D., and B. P. Hamilton, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Secret-communication system. 1,461,783; July 17.
- Parmentier, Frank, Philadelphia, Pa. Water-turbine construction. 1,462,070; July 17.
- Parrott, Willard H., Los Angeles, Calif. Clip guide. 1,462,300; July 17.
- Parsons, Frederick W., Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate-valve unloader. 1,462,301; July 17.
- Parsons, John H., Ferndale, Mich. Gasoline-reserve-supply apparatus. 1,461,805; July 17.
- Paul, Archibald W., and A. L. Edwards, assignors to Wheeling Stamping Company, Wheeling, W. Va. Collapsible-tube-coating mechanism for tube-printing machines. 1,461,761; July 17.
- Pearson, Richard E., London, and E. N. Craig, Ham Common, assignors to Metal Patents Limited, London, England. Electrolytic treatment of metalliferous materials containing metals of the chromium group. 1,462,421; July 17.
- Pech, Paul L. E., Narbonne, France. Soap. 1,462,243; July 17.
- Peerless Insulated Wire and Cable Company, The. (See Cook, William E., assignor.)
- Pendergast, Frederick W., Cambridge, Mass. Mop. 1,461,762; July 17.
- Penksa, Stanley, Long Island City, N. Y. Toy. 1,461,932; July 17.
- Percenri, Paul, East Pittsburgh, Pa. Enamel-shingle construction. 1,462,212; July 17.
- Perbats, Paul, Chicago, Ill. Vegetable slicer, cutter, and nutcracker. 1,462,148; July 17.
- Pero, Bertram S., Schenectady, N. Y., assignor to General Electric Company. Speed control for machine tools and the like. 1,462,354; July 17.
- Petermann, Otto, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,734; July 17.
- Peters, Karl R., Philadelphia, Pa. Motor vehicle. 1,461,735; July 17.
- Petersen, Anker, Winthrop, Mass. Carrier-controlling device for braiding machines. 1,462,213; July 17.
- Petersen, Hans P., assignor to Glent & Hassenkamm Ltd., Copenhagen, Denmark. Valve device for duplex pumps. 1,462,122; July 17.
- Peth, Herman W., Baltimore, Md. Pressing iron. 1,462,355; July 17.
- Petty, Thomas E., Washington, D. C. Bottle receptacle. 1,462,356; July 17.
- Pfeifer, Frank A., and C. Naab, Newark; said Naab assignor to T. Mills, Maplewood, N. J. Game apparatus or amusement devices. 1,462,179; July 17.
- Pfeiffer, Fred B., Akron, Ohio. Tire construction. 1,461,984; July 17.
- Pfanzte, Charles F., St. Louis, Mo. Machine for making window envelopes. 1,462,149; July 17.
- Phelps, Theophilus L., Woodville, N. C. Peanut picker. 1,462,123; July 17.
- Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Sliding door and track therefor. 1,462,302; July 17.
- Plaser, Abraham, Elmhurst, assignor to Rosenwasser Bros., Inc., Astoria, N. Y. Nail-extracting apparatus. 1,462,045; July 17.
- Pierce, Alfred L., Wallingford, Conn. Cut-out box. 1,462,124; July 17.
- Pierce, E. Ralph, Rochester, assignor to Monarch Governor Company, Detroit, Mich. Speed governor for internal-combustion engines. 1,461,933; July 17.
- Piper, Walter A., and A. V. Naegele, Chicago, Ill. Toy aeroplane. 1,462,244; July 17.
- Pitney, Arthur H., and J. W. Ogden, assignors to Universal Postal Machines Corporation, Stamford, Conn. Register for postage-marking machine. 1,461,934; July 17.
- Pittoni, Louis E. (See Sisbower, G. F., and Pittoni.)
- Pittsburgh Plate Glass Company. (See Rehm, Benjamin, assignor.)
- Poirette Corsets, Inc. (See Robbins, Philip H., assignor.)
- Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Jack. 1,461,786; July 17.
- Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail-transferring mechanism. 1,461,784; July 17.
- Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,461,785; July 17.
- Pope Machine Company. (See La Montagne, Patrick P., assignor.)
- Pope Machine Company. (See Randall, Edison E., assignor.)
- Pound, Harry L. (See Adams, W. R., and Pound.)
- Prentiss, William A., Holyoke, Mass. (Collapsible spool. 1,461,736; July 17.
- Quade, Fritz, Berlin, Germany. Manufacturing compounds soluble in water of diethylbarbituric acid and its homologues. 1,461,831; July 17.
- Raasch, August J. and E. H., and H. A. Olsen, Milwaukee, Wis. Potato digger. 1,461,935; July 17.
- Raasch, Edward H. (See Raasch, August J. and E. H., and Olsen.)
- Radio Corporation of America. (See Clark, George H., assignor.)
- Ramsden, Henry, Bradford, England. Cover or gaiter for laminated vehicle spring. 1,461,832; July 17.
- Randall, Edison E., assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill. Machine for uniting looped fabrics. 1,462,378; July 17.
- Ransomes & Rapier Limited. (See Lewis, Robert S., assignor.)
- Rappleve, Frank A., Silver Creek, N. Y., assignor to Allen & Co. Inc., New Haven, Conn. Saw jointer. 1,461,763; July 17.
- Reddig, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Clutch mechanism. 1,462,046; July 17.
- Reece Button Hole Machine Company, The. (See Hagelstein, Christian H. T., assignor.)
- Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)
- Reglein, Carl W., Houston, Tex. Tool or implement case. 1,462,245; July 17.
- Rehm, Benjamin, Crystal City, Mo., assignor to Pittsburgh Plate Glass Company. Beveled-glass-polishing machines. 1,462,303; July 17.
- Reinick, Thomas M., Morgantown, W. Va. Wrench. 1,462,246; July 17.
- Rennerfelt, Ture G., Stockholm, Sweden. Roller bearing. 1,462,379; July 17.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Crossbar line switch. 1,462,047; July 17.
- Rhodes, James H., & Company. (See Roth, Arthur J., assignor.)
- Richards, John W., Colesey, near Bilston, assignor to A. Harper Sons and Bean Limited, Dudley, Worcestershire, England. Sand or like mixing machine. 1,461,936; July 17.
- Richards, Tregarthen D., Marrickville, near Sydney, New South Wales, Australia. Apparatus for cleaning and clarifying used lubricating oil. 1,462,048; July 17.
- Richards-Wilcox Manufacturing Company. (See Phillips, Ellis J. G., assignor.)
- Richardson, Earl H., Ontario, Calif., assignor, by mesne assignments, to Majestic Electric Development Company. Electric heater. 1,462,880; July 17.
- Richter, Georg W., Crimmitschau, Germany. Machine for working skins, hides, and leather. 1,462,180; July 17.
- Riddel, Sherrod, Springfield, assignor of one-fourth to W. W. Albright, one-fourth to W. Lahners, Decatur, and one-fourth to J. J. Graham, Springfield, Ill. Automatic switch stand. 1,461,937; July 17.
- Rieman, Paul, Rochester, N. Y. Vacuum cleaner. 1,462,071; July 17.
- Rinesi, Giovanni, Genoa, Italy. Hoisting and lowering collapsible lifeboats. 1,462,422; July 17.
- Rissmann, Paul, assignor to Fisher Body Corporation, Detroit, Mich. Cord anchor. 1,462,125; July 17.
- Rittman, Walter F., Pittsburgh, Pa. Treatment of hydrocarbons. 1,462,247; July 17.
- Rivlis, Samuel, Philadelphia, Pa. Fastening device for wearing apparel. 1,462,049; July 17.
- Rouch-Cuming, Arthur J., London, England. Vacuum vessel, slab, partition, and other double-walled vacuum structure. 1,462,092; July 17.
- Robbins, Philip H., assignor to Poirette Corsets, Inc., New York, N. Y. Corset. 1,462,423; July 17.
- Roberts, Urban H. (See Lawrence, Oscar A., assignor.)
- Robertson, Florence L., Fergus Falls, Minn. Stove cover. 1,461,856; July 17.
- Roché, Jean A., Dayton, Ohio. Landing gear for airplanes. Re15,656; July 17.
- Rockwell, Robert L., and E. G. Howe, assignors, by mesne assignments, to E. G. Howe, trustee, Seattle, Wash. Automatic semaphore signal system. 1,462,248; July 17.
- Rockwell, Robert L. (See Treiman, I. A., and Rockwell.)
- Rose, Jacob B., assignor to The Osborn-Crew Manufacturing Company, Cleveland, Ohio. Supporting device. 1,461,938; July 17.
- Rosenwasser Bros. Inc. (See Plaser, Abraham, assignor.)
- Ross, John, Philadelphia, Pa. Discharging conveyer. 1,462,126; July 17.
- Roth, Arthur J., assignor to James H. Rhodes & Company, Chicago, Ill. Steel-wool-making machine. 1,462,181; July 17.
- Rudnick, Jacob, New York, N. Y. Means for feeding adhesive material to box-making machines. 1,461,737; July 17.
- Rudolph, Harold V., Charlottesville, Va., assignor to American Automatic Train Control Corporation, Baltimore, Md. Speed-control mechanism for vehicles. 1,462,357; July 17.
- Rudolbb, Harold V., assignor to American Automatic Train Control Corporation, Baltimore, Md. Speed-control mechanism for vehicles. 1,462,358; July 17.

- Rumpf, John, Jersey City, N. J., assignor to The Safety Car Heating & Lighting Company. Reducing valve. 1,461,738; July 17.
- Rushing, Clyde M., Bozeman, Mont. Liquid-fuel burner. 1,462,072; July 17.
- S. D. S. Experimental Laboratories Company. (See Spikes, Richard B., assignor.)
- Safety Car Heating & Lighting Company, The. (See Rumpf, John, assignor.)
- Saffold, Ray P., Bisbee, Ariz. Tractor. 1,462,304; July 17.
- Sager, Edgar R., U. S. Army. Wire cart. 1,461,939; July 17.
- Sametz, James, New York, N. Y. Propeller screw. 1,462,424; July 17.
- Sanders, Albert C., Helena, Ark. Shield. 1,462,127; July 17.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Pitcher. Des. 62,675; July 17.
- Schaller, Alice E., et al. (See Schaller, William F., assignor.)
- Schaller, Elizabeth, et al. (See Schaller, William F., assignor.)
- Schaller, William F., assignor of five-tenths to E. Schaller, three-tenths to A. E. Schaller, and two-tenths to C. A. Shoeman, San Francisco, Calif. Tray-turing machine. 1,462,468; July 17.
- Schenk, Ernest E., Webster City, Iowa. Translational sectional-mold assemblage. 1,461,940; July 17.
- Schley, George I., Chicago, Ill. Lamp shade. Des. 62,676; July 17.
- Schmidt, Albert, Paris, France. Waterproofing composition. 1,462,381; July 17.
- Schmitt, Michael P., North Chicago, Ill. Guide for grinding devices. 1,461,985; July 17.
- Schneider & Cie. (See Schneider, Jean J. M. A. E., assignor.)
- Schneider, Charles, Hackett, Ark. Resilient tire. 1,461,986; July 17.
- Schneider, Jean J. M. A. E., assignor to Schneider & Cie., Paris, France. Arming of aeroplanes. 1,461,833; July 17.
- Schoenfeld, Louis N., et al. (See Youlten, William, assignor.)
- Scholz, Edward. (See Stalder, E. J., and Scholz.)
- Schönfeld, Paul, Bochum-Weitmar, Germany. Gripping device for lifts and the like. 1,462,382; July 17.
- Schrader's, A., Son, Incorporated. (See Myers, Eugene V., assignor.)
- Scriven, Edward O., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,462,050; July 17.
- Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Drive connection for travel-indicating instruments. 1,461,806; July 17.
- Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Transmission drive. 1,461,941; July 17.
- Scott, William M., Tredyffrin Township, Chester County, Pa. Switching apparatus. 1,461,942; July 17.
- Seager, Elmer F., Detroit, Mich., assignor of one-half to R. C. Sturgeon, Windsor, Canada. Condenser. 1,462,214; July 17.
- Searle, Stuart C. (See Fuller, Wellington G., assignor.)
- Seemann, Jacob J., assignor to Utica Heater Company, Utica, N. Y. Heater-casing construction. 1,461,943; July 17.
- Segal, Samuel, New York, N. Y. Key-duplicating machine. 1,462,150; July 17.
- Seifert, August, assignor to Robert Gair Company, Brooklyn, N. Y. Counter carton. 1,462,051; July 17.
- Seitz, Oskar. (See Jonas, J., and Seitz.)
- Setter, Micheal, assignor to Automatic Electric Company, Chicago, Ill. Impulse sender. 1,461,944; July 17.
- Seymour, Benjamin F., Washington, D. C. Resilient transmission. 1,462,383; July 17.
- Seymour, Benjamin F., Washington, D. C. Combined resilient bearing and transmission. 1,462,384; July 17.
- Seymour, Benjamin F., Washington, D. C. Combined resilient bearing and transmission. 1,462,385; July 17.
- Seymour, Benjamin F., Washington, D. C. Combined resilient bearing and transmission. 1,462,386; July 17.
- Seymour, James M., Newark, N. J. Multiple propeller fan. 1,462,151; July 17.
- Shanley, William C., Des Moines, Iowa. Device for connecting suction pipes to tanks and other receptacles. 1,461,945; July 17.
- Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Shoes Company, Inc., New York, N. Y. Train-control shoe mechanism. 1,462,073; July 17.
- Shaw, John T., assignor of one-half to H. W. Applegate, Jonesboro, Ark. Smoking-pipe attachment. 1,462,425; July 17.
- Shoeman, Chas. A., et al. (See Schaller, William F., assignor.)
- Sichel, John, et al. (See Grundy, Alfred A., assignor.)
- Siebert, Werner, Laufenburg, assignor to Nitrum Aktien-gesellschaft, Zurich, Switzerland. Obtaining nitric acid by means of the electric arc in a closed cycle. 1,462,052; July 17.
- Sievert, Paul E., Watertown, Wis. Rack for drying seed corn. 1,461,946; July 17.
- Silbermann, Kellmann, La Chaux-de-Fonds, Switzerland. Driving mechanism for clocks and the like. 1,461,739; July 17.
- Silent Motor Corporation, The. (See Wilkinson, E. E., and Aronson, assignors.)
- Silver, Albert, Tonopah, Nev., assignor to The Merrill Company. Treating ores. 1,461,807; July 17.
- Silver, Emmor W., assignor to The Silver Manufacturing Company, Salem, Ohio. Ensilage cutter. 1,461,764; July 17.
- Silver Manufacturing Company, The. (See Silver, Emmor W., assignor.)
- Sisbower, George F., Bayside, and L. E. Pittoni, New York, assignors to Manhattan-Rome Company, Branch of Rome, Metallic Bedstead Co., Long Island City, N. Y. Couch hammock. 1,461,740; July 17.
- Slade, Budd E., Cozad, Nebr. Straw spreader for harvesting and thrashing machine. 1,462,387; July 17.
- Slama, Lewis, Humboldt, Nebr. Tire-chain tightener and lock. 1,462,249; July 17.
- Slattery, Martin F., and H. McAlonie, Cohoes, N. Y. Flat-bed printing press. 1,462,250; July 17.
- Slauson, Stephen A., assignor of twenty-five one-hundredths to J. H. Brookman and twenty-five one-hundredths to L. O. Hatch, Cedar Rapids, Iowa. Automatic clamp bolt. 1,461,882; July 17.
- Slough, Frank M., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Sequence switch. 1,462,251; July 17.
- Sly, W. W., Manufacturing Company, The. (See Moore, Edward J. and R. H., assignors.)
- Smiley, Albert J., Philadelphia, Pa. Device for inserting laces under shoe uppers. 1,461,834; July 17.
- Smith, Ellsworth F., Denver, Colo. Iron spool for wire cables of oil wells. 1,462,388; July 17.
- Smith, Floyd Aerial Equipment Company. (See Smith, Floyd, assignor.)
- Smith, Floyd, Dayton, Ohio, assignor to Floyd Smith Aerial Equipment Company. Parachute pack and harness, etc. 1,462,456; July 17.
- Smith, Frederick G., New Bedford, assignor of one-half to I. N. Babbitt, Fairhaven, Mass. Centering means for spindles. 1,462,215; July 17.
- Smith, Lemon M., Clairton, Pa. Automobile fender. 1,462,152; July 17.
- Smith, Norman H., Ottawa, Ontario, Canada. Stump sock. 1,461,987; July 17.
- Smith's Dock Company Limited. (See Thompson, Herbert A., assignor.)
- Snelling, Walter O., Allentown, Pa. Beverage. 1,461,808; July 17.
- Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Detonator. 1,462,074; July 17.
- Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Detonator composition. 1,462,075; July 17.
- Snyder, Walter, assignor of one-half to R. L. Hatfield, Newark, N. J. Apparatus for applying heads to music-roll tubes. 1,462,305; July 17.
- Sonnenfeld, Max, New York, N. Y. Garment support. 1,462,389; July 17.
- Sonora Phonograph Corporation. (See Oberst, Frank, assignor.)
- Soubier, Leonard D. (See Williams, P. Q., and Soubier.)
- Spencer Elevator Co. (See Day, Wallace E., assignor.)
- Spencer, Frank M. (See Day, Wallace E., assignor.)
- Speer, Arthur R. (See Knox, William J., assignor.)
- Spikes, Richard B., assignor to S. D. S. Experimental Laboratories Company, San Francisco, Calif. Pantograph. 1,461,988; July 17.
- Spiro, Max, New York, N. Y. Watchcase. 1,462,076; July 17.
- Sporer, Paul, Chicago, Ill. Window-cleaning device. 1,461,947; July 17.
- St. John, Archibald D., Maplewood, N. J. Plasticiser for cellulose plastics. 1,462,306; July 17.
- St. Onge, Amasa, Providence, R. I. Damper controlling means for cotton-picking machine. 1,462,307; July 17.
- Stalder, Edward J., and E. Scholz, Chicago, Ill. Gasoline reserve valve. 1,462,216; July 17.
- Stalder, Edward J., and E. Scholz, Chicago, Ill. Gasoline reserve valve. 1,462,217; July 17.
- Star Contrapropeller Ltd. A./S. (See Wagner, Rudolf, assignor.)
- Starr, Leo V. (See Kysela, Rudolph, assignor.)
- Stavig, Olaf, Seattle, Wash. Self-service store directory. 1,462,390; July 17.
- Stebber, Emil O., Flagstone, British Columbia, Canada. Rim. 1,462,426; July 17.
- Stebbins, Frank E., Washington, D. C. Kinetic-energy-transforming means for cars. 1,461,787; July 17.
- Stebbins, Frank E., Washington, D. C. Kinetic-energy-transforming means for cars, bumpers, etc. 1,461,788; July 17.
- Sterrett, Walter R., assignor to H. L. Dixon Company, Carnegie, Pa. Leer conveyor. 1,462,427; July 17.
- Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)
- Stewart-Warner Speedometer Corporation. (See Wood, Andrew C., assignor.)

- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Blank-sorting machine. 1,461,789; July 17.
- Stockham, Charles E., Oskaloosa, Iowa. Poultry coop. 1,461,989; July 17.
- Stokes, Robert J., Trenton, assignor to Thermoid Rubber Company, Hamilton Township, N. J. Brake block. 1,462,391; July 17.
- Stoller, Hugh M., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing system. 1,462,053; July 17.
- Stoltz, John L., Sumner, Ill. Vehicle wheel. 1,462,128; July 17.
- Stosik, Boleslaw, Denver, Colo. Internal-combustion engine. 1,461,948; July 17.
- Strack, Herman. (See Hansmann, P., and Strack.)
- Strickland, Erve C., San Jose, Calif. Electric heater. 1,462,392; July 17.
- Stromberg-Carlson Telephone Manufacturing Company. (See Slough, Frank M., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Taggart, John A., assignor.)
- Stromberg Motor Devices Company. (See Cole, D., and Gustafson, assignors.)
- Strong, William M., San Francisco, Calif. Oil-shale retort. 1,462,023; July 17.
- Stroud, Chester H., deceased, Hubbell, assignor of one-half to N. M. Gilles, Lake Linden, Mich.; M. Yauch, administrator. Self-contained blow-off valve. 1,461,835; July 17.
- Stull, David L., Birmingham, Ala. Cone-baking machine. 1,461,836; July 17.
- Stump, Lloyd M. (See Jones, Thomas E., assignor.)
- Sturgeon, Robert C. (See Seager, Elmer F., assignor.)
- Sturman, Robert E., Delano, Minn. Furnace grate. 1,462,393; July 17.
- Sultz, Morton, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Maximum-voltage indicator. 1,461,790; July 17.
- Sundin, Oscar T., Providence, R. I., assignor to David H. Zell, Incorporated. Article holder. 1,461,837; July 17.
- Svenska Aktiebolaget Bromsregulator. (See Djurson, Axel R. K., assignor.)
- Sweet, Melvin A., and G. W. Britton, Hamilton, Ontario, Canada. Dial-scale printing device. 1,461,949; July 17.
- Swift, George W., jr., Bordentown, N. J. Cover-fastening device for paper pails. 1,462,153; July 17.
- Swisher, R. D., Mfg. Co. (See Gudgel, E. D., and Corey, assignors.)
- Sydeham, Abraham. (See Thoma, Andrew, assignor.)
- Taddeo, Luigi, Cleveland, Ohio. Fountain pen. 1,461,838; July 17.
- Taggart, John A., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-signal-allotting system. 1,462,252; July 17.
- Tangee, H-dvig, New York, N. Y. Level. 1,462,054; July 17.
- Taylor, John B. (See Muller, G., and Hill, assignors.)
- Taylor Wharton Iron and Steel Company. (See Apgar, Stanley, assignor.)
- Techno Service Corporation. (See Haas, Rudolf, assignor.)
- Temple, Frank J., assignor to Union Iron Works, Decatur, Ill. Snapped-corn separator. 1,462,428; July 17.
- Tennessee, Henry M., Galesburg, N. Dak. Grain-car door. 1,461,839; July 17.
- Terry, George W., Nashville, Tenn. Dust cap. 1,462,394; July 17.
- Texas Company, The. (See Manley, Frederick T., assignor.)
- Thermoid Rubber Company. (See Stokes, Robert J., assignor.)
- Thoma, Andrew, Cambridge, assignor to A. Sydeman, Boston, Mass. Doubling spreader. 1,462,154; July 17.
- Thomas & Buckley Hoisting Co. (See Cosulich, Matteo, assignor.)
- Thomas, Owen. (See Foster, H. J., and Thomas.)
- Thompson, Herbert A., North Shields, assignor of one-half to Smith's Dock Company Limited, South Shields, England. Construction of spraying nozzles or atomizers. 1,462,395; July 17.
- Thompson, William D., and A. R. Wilson, assignors to Hutchins Car Roofing Company, Detroit, Mich. Car-end construction. 1,451,883; July 17.
- Thurston, Ernest B., assignor to The Houghton Elevator & Machine Co., Toledo, Ohio. Electromagnet. 1,462,129; July 17.
- Tichler, Elizabeth A., Paterson, N. J. Toy animal. Des. 62,677; July 17.
- Tilstra, Albert R., South Holland, Ill. Tractor attachment. 1,462,155; July 17.
- Timson, William, assignor to W. & T. Avery, Limited, Birmingham, England. Pendulous automatic weighing scale. 1,461,741; July 17.
- Tin Decorating Company of Baltimore, The. (See Connor, Martha H., assignor.)
- Tobiasson, Neils, Orton, Alberta, Canada. Automatic funnel. 1,462,253; July 17.
- Tobis, Frank, and F. Jarzyna, Chicago, Ill. Auto rear-axle differential mechanism. 1,462,204; July 17.
- Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Concrete insert. 1,461,742; July 17.
- Tonso, Domenico, New York, N. Y. Vacuum-cleaner attachment. 1,462,218; July 17.
- Toth, John, Bartonville, Ill. Beehive. 1,461,950; July 17.
- Toy Business Corporation. (See Lo Cascio, Pasquale, assignor.)
- Trask, Albert S., Concord, N. H. Combined lamp and bookrack. Des. 62,678; July 17.
- Treadwell Engineering Company. (See Mikaelson, E. W., and Neave, assignors.)
- Treiman, Isak A., and R. L. Rockwell, Seattle, Wash.; said Rockwell assignor of one-fourth to said Treiman. Lock. 1,461,857; July 17.
- Treischel, Chester C., Schenectady, N. Y., assignor to General Electric Company, Porcelain. 1,462,396; July 17.
- Trinks, Franz, Brunswick, Germany. Calculating machine. 1,462,397; July 17.
- Troegner, Roland S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire machine. 1,462,465; July 17.
- Trojan Powder Company. (See Snelling, Walter O., assignor.)
- Trojan Powder Company. (See Waller, Charles E., assignor.)
- Trucksess, Andrew P., Camden, N. J. Sign. 1,462,156; July 17.
- Tutt, Montague W., assignor of one-half to Hulburd Engineering Company, Limited, London, England. Force pump. 1,462,308; July 17.
- Tuttle, Wallace W., Detroit, Mich. Tractor wheel. 1,461,951; July 17.
- Union Iron Works. (See Temple, Frank J., assignor.)
- United Alloy Steel Corporation. (See Frahm, Carl A., assignor.)
- United Engineering and Foundry Company. (See Johnson, Lane, assignor.)
- United Shoe Machinery Corporation. (See Conner, Charles E., assignor.)
- United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)
- United Shoe Machinery Corporation. (See Stewart, William C., assignor.)
- Universal Crane Company, The. (See Deucher, Eugene G., assignor.)
- Universal Industrial Corporation. (See Feige, Adolph E., assignor.)
- Universal Postal Machines Corporation. (See Pitney, A. H., and Ogden, assignors.)
- Utica Heater Company. (See Seemann, Jacob J., assignor.)
- Vallone, Romeo. (See Frascadore, M., and Vallone.)
- Van Nostrand, Paul E., Lyons, Nebr. Auto appliance. 1,462,398; July 17.
- Verlinden, Edmond, Milwaukee, Wis. Adjustable combination stop action for organs. 1,462,429; July 17.
- Vernon, Emma L. (See Lockhart, Howard, assignor.)
- Vester, Alfred, Sons, Inc. (See Warman, Percy S., assignor.)
- Viehmann, Albert. (See Wiegand, Carl, assignor.)
- Vignon, Louis E., Tarare, assignor to Les Successeurs d'Albert Godde, Bedin & Co., Lyon, France. Apparatus for humidifying air. 1,461,840; July 17.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,461,990; July 17.
- Vincent, Sidney C., et al. (See Wisch, Edward W. and W. J., assignors.)
- Vogel, Paul H., New Britain, Conn. Spirit level. 1,462,430; July 17.
- Volkman, Frederick C., et al. (See Wisch, Edward W. and W. J., assignors.)
- Von Harnbach, Ernest, Chicago, Ill., assignor to H. D. Lafferty, Oakland, Calif. Timer. 1,462,309; July 17.
- Von Porat, Karl H. V., Stockholm, assignor to Motala Verkstads Nya Aktiebolag, Motala Verkstad, Sweden. Furnace for pulverous fuel. 1,462,310; July 17.
- Votaw, Homer S., Chopaka, Wash. Safety apparatus for railway rolling stock. 1,462,254; July 17.
- W. & T. Avery, Limited. (See Timson, William, assignor.)
- Wagner, Albert, assignor, by mesne assignments, to The Wemb Company, Cincinnati, Ohio. Carburetor. 1,462,219; July 17.
- Wagner, Edward A., Fort Wayne, Ind., assignor to General Electric Company. Electrically-heated tool. 1,462,431; July 17.
- Wagner, Rudolf, Hamburg, Germany, assignor to Star Contrapropeller Ltd. A/S., Christiania, Norway. Screw propeller. 1,461,841; July 17.
- Wajdic, Petar, Pleasant Unity, Pa. Tire pump. 1,462,432; July 17.
- Walchli, George H., assignor to Kant-Break Ladders, Inc., St. Louis, Mo. Extension ladder. 1,461,952; July 17.
- Walker, Fred, Neepawa, Manitoba, Canada. Siding tightener. 1,461,991; July 17.
- Waller, Charles E., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Detonator composition. 1,462,093; July 17.
- Wallis, Norman V., San Antonio, Tex. Trap. 1,462,399; July 17.

- Walsh, Harry C. H., Chicago, Ill., assignor to Continental Can Company, Inc., Syracuse, N. Y. Gang die press. 1,462,094; July 17.
- Wanerman, Hyman, New York, N. Y. Bowl or similar article. Des. 62,479; July 17.
- Wanerman, Hyman, New York, N. Y. Bowl or similar article. Des. 62,680; July 17.
- Ward, Artemas. (See Giles, Harvey, assignor.)
- Warman, Percy S., Roselle, N. J., assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 62,681; July 17.
- Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Vacuum cleaner. 1,461,809; July 17.
- Warner and Swasey Company, The. (See Birhanzi, Otto W., assignor.)
- Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,462,157; July 17.
- Warren, Alice N., Reno, Nev. Comb and brush. 1,462,400; July 17.
- Warren, Henry E., Ashland, Mass., assignor to General Electric Company. Magnetic suspension. 1,462,433; July 17.
- Way, Edward J., assignor to Bioscope Improvements Limited, Johannesburg, Transvaal, South Africa. Reel for cinematograph film and the like. 1,462,101; July 17.
- Weber, Edwin P., Chicago, Ill. Tire tread. Des. 62,682; July 17.
- Weber, Henry E., Canton, Ohio. Dental tray. 1,461,765; July 17.
- Weber, Henry L., Louisville, Ky. Dispensing apparatus. 1,461,992; July 17.
- Webster, Charles E., Winthrop, Minn. Railway-freight-car door. 1,462,402; July 17.
- Weeks, Carl, Des Moines, Iowa. Talcum-powder box. Des. 62,683; July 17.
- Weeks, Carl, Des Moines, Iowa. Perfume bottle. Des. 62,684; July 17.
- Weeks, John W., Secretary of War of the United States of America. (See Holmes, Bradford B., assignor.)
- Wehner, Georg M., Dresden, Germany. Disk spooling machine. 1,461,953; July 17.
- Weigel, Daniel M., Chicago, Ill. Internal-combustion engine. 1,462,182; July 17.
- Wemb Company, The. (See Wagner, Albert, assignor.)
- Wendel, Ada B., Smithland, Iowa. Magazine rack. 1,462,434; July 17.
- Wendt, Charles A., Milwaukee, Wis. Billiard table. Des. 62,685; July 17.
- Wernimont, Frank T., assignor to The Hall Manufacturing Company, Cedar Rapids, Iowa. Metal-basket-corrugating machine. 1,462,457; July 17.
- Wescot, Lewis C., Elmhurst, assignor to Western Electric Company, Incorporated, New York, N. Y. Interlocking knife switches. 1,462,055; July 17.
- West, Charles L., Franklin, N. C. Pile lifter. 1,462,435; July 17.
- West, Clifton, London, England. Packing and delivering gramophone and like needle. 1,462,056; July 17.
- Western Electric Company. (See Booth, William T., assignor.)
- Western Electric Company. (See Egerton, Henry C., assignor.)
- Western Electric Company. (See Fondiller, William, assignor.)
- Western Electric Company. (See Hartley, Ralph V. L., assignor.)
- Western Electric Company. (See Hendrickson, Charles J., assignor.)
- Western Electric Company. (See Hosford, William F., assignor.)
- Western Electric Company. (See Lum, George R., assignor.)
- Western Electric Company. (See Reddig, Charles E., assignor.)
- Western Electric Company. (See Reynolds, John N., assignor.)
- Western Electric Company. (See Scriven, Edward O., assignor.)
- Western Electric Company. (See Stoller, Hugh M., assignor.)
- Western Electric Company. (See Wescot, Lewis C., assignor.)
- Western Electric Company. (See Wold, Peter L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Allcutt, Chester T., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Kasley, Alexander T., assignor.)
- Westinghouse Lamp Company. (See Lederer, Anton, assignor.)
- Westman, Adolf J., Montreal, Quebec, Canada. Map-display device. 1,461,842; July 17.
- Weston, Leroy A., Adams, Mass. Apparatus for forming pipe joints. 1,462,077; July 17.
- Wetzel, Charles E. (See La Wall, H. J., and Wetzel.)
- Weyrauch, Ewald W., Rochester, N. Y. Expandible coupling member. 1,461,767; July 17.
- Wheeler, Arthur S., New York, N. Y. Variable carriage-feed mechanism for typewriters. 1,462,183; July 17.
- Wheeling Stamping Company. (See Paull, A. W., and Edwards, assignors.)
- Whitaker, Richard, Bradley Beach, assignor, by mesne assignments, to Brunswick-Kroeschell Company, New Brunswick, N. J. Expansion valve. 1,462,466; July 17.
- White, John F., assignor to White Products Company, Chicago, Ill. Automobile radiator attachment. 1,462,403; July 17.
- White, John F., assignor to White Products Company, Chicago, Ill. Theft-preventing device. 1,462,404; July 17.
- White, John F., assignor to White Products Company, Chicago, Ill. Theft-preventing device. 1,462,405; July 17.
- White, John W., assignor to General Motors Corporation, Detroit, Mich. Drag link and making same. 1,462,467; July 17.
- White Products Company. (See White, John F., assignor.)
- Wiegand, Andrew J., Baltimore, Md. Tire. 1,461,766; July 17.
- Wiegandt, Carl, assignor of one-half to A. Viehmann, Barmen, Germany. Label. 1,462,220; July 17.
- Wiel, Eli H., assignor to Buckingham & Hecht, San Francisco, Calif. Shoe or boot. 1,462,095; July 17.
- Wiemer, Charles D., Los Angeles, Calif. Direction signal. Des. 62,686; July 17.
- Wieritz, Peter H., New York, N. Y. Machine for removing and crushing rock. 1,462,096; July 17.
- Wigington, George P., assignor to Kalamazoo Lumber Leaf Pinder Co., Kalamazoo, Mich. Temporary binder or loose-sheet holder. 1,461,954; July 17.
- Wildmer, Franz, Buschullersdorf, near Reichenberg, in Bohemia, Czechoslovakia. Silencer for firearms. 1,462,158; July 17.
- Wilkinson, Elmer E., and S. Aronson, assignors, by mesne assignments, to The Silent Motor Corporation, Brooklyn, N. Y. Adjustable bearing for spring motors. 1,461,858; July 17.
- Wilkinson, Herbert, Empress, Alberta, Canada. Whip holder. 1,461,993; July 17.
- Willey, Joseph L. (See Ewing, S. E. T., and Willey.)
- Williams, Feri C., Ocean Park, Calif. Savings bank. 1,462,184; July 17.
- Williams, David L., Bessemer, Ala. Pipe-forming plant. 1,462,311; July 17.
- Williams Manufacturing Company. (See Williams, Ralph E., assignor.)
- Williams, Percy Q., Cincinnati, and L. D. Soubier, assignors to The Owens Bottle Company, Toledo, Ohio. Ware-distributing mechanism. 1,462,078; July 17.
- Williams, Ralph E., Santa Ana, Calif. assignor to Williams Manufacturing Company. Spotlight bracket. 1,461,955; July 17.
- Wilmort Manufacturing Company. (See Aisenstein, William, assignor.)
- Wilson, Alfred R. (See Thompson, W. D., and Wilson.)
- Wilson, Fastener Company, The. (See Clark, Emma E., assignor.)
- Wilson, Robert E. and R. E., Belleville, assignors to S. R. Gross, Newark, N. J. Dropping machine. 1,462,185; July 17.
- Wilson, Robert E. (See Wilson, Robert E. and R. E.)
- Wilson, William W. (See Hamer, Leland S., assignor.)
- Windsor Manufacturing Company, The. (See Cope, Joseph H., assignor.)
- Winne, Harry A. (See Merrill, W. L., and Winne.)
- Winship, Ernest O., and F. J. Bacon, New London, Conn. Banjo tailpiece. 1,462,359; July 17.
- Wisch, Edward W. and W. J., assignors to themselves, S. C. Vincent, and F. C. Volkman, Baltimore, Md. Hand-operated toilet fan. 1,461,768; July 17.
- Wisch, Walter J. (See Wisch, Edward W. and W. J.)
- Witzel, Charles J., Brooklyn, N. Y. Wrench. 1,461,810; July 17.
- Woerth, Emil, Hamilton Beach, N. Y. Ice box for refrigerators. 1,462,436; July 17.
- Wold, Peter L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching mechanism for vacuum tubes and the like. 1,462,057; July 17.
- Wolfe, Lester, New York, N. Y. Flying top. 1,462,221; July 17.
- Wolfe, William S. (See Kilbarn, K. B., and Wolfe.)
- Wood, Andrew C., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Odometer-train-setting device. 1,461,956; July 17.
- Wood, Arthur C., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,811; July 17.
- Wood, Arthur C., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,812; July 17.
- Wood, Arthur C., assignor to The Ohio Brass Company, Mansfield, Ohio. Safety support for current collectors. 1,461,813; July 17.
- Wood, Charles L. (See Crowder, Riley M., assignor.)
- Wood, William T., Nashville, Tenn. Coasting vehicle. 1,462,312; July 17.
- Woodberry, John H., U. S. Army. Detonating fuse. 1,462,313; July 17.
- Woodberry, John H., U. S. Army. Fuse. 1,462,314; July 17.
- Wray, James L., Rock Island, Ill. Pneumatic pump. 1,462,222; July 17.

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- Wright, Arthur W., and B. F. Ibach, Pottsville, Pa. Metal pole construction. 1,461,994; July 17.
- Wright, M. S., Company. (See Wright, Morris S., assignor.)
- Wright, Morris S., assignor to M. S. Wright Company, Worcester, Mass. Vacuum cleaning device. 1,462,223; July 17.
- Yamada, Shigetaro, Honolulu, Hawaii. Twine-cutting device. 1,462,097; July 17.
- Yauch, Martin, administrator. (See Stroud, Chester H.)
- Yawman & Erbe Mfg. Co. (See Dietrich, Paul, assignor.)
- Youlten, William, Hove, assignor to H. S. Foster, Westminster, and L. N. Schoenfeld, Hove, England. Machine for opening and cleaning cotton, wool, and other fibers. 1,462,458; July 17.
- Youlten, William, Hove, assignor to H. S. Foster, Westminster, and L. N. Schoenfeld, Hove, England. Machine for opening and cleaning fibrous material. 1,462,459; July 17.
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- Young, Adam F., San Jose, Calif. Gear puller. 1,462,437; July 17.
- Young, Walter W., Parker, S. Dak. Battery carrier. 1,461,995; July 17.
- Zajic, Joseph, Jersey City, N. J. Coupling. 1,462,406; July 17.
- Zander, Alex L., St. Paul, Minn. Top. 1,461,843; July 17.
- Zeiss, Firm of Carl. (See Meyer, Franz, assignor.)
- Zell, David H., Incorporated. (See Sundin, Oscar T., assignor.)
- Zenke, Henry C., Richmond Hill, N. Y. Metal-molding apparatus. 1,462,186; July 17.
- Zifferer, Lothar R., Lancaster, Pa. Adjustable flange. 1,462,187; July 17.
- Zimmerman, Frank W., Amarillo, Tex. Drill. 1,461,791; July 17.
- Zouri Drawn Metals Company. (See Murnane, Daniel J., assignor.)
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ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Accelerator. C. Hammond and W. Inman. 1,461,774; July 17.
Accelerator, Brake. W. Hildebrand. 1,461,846; July 17.
Accounting sheet. F. W. Groby. 1,461,757; July 17.
Acid by means of the electric arc in a closed cycle, Obtaining nitric. W. Siebert. 1,462,052; July 17.
Adjustable wrench. F. C. Hacheney. 1,461,875; July 17.
Aeroplane. L. Jacoby. 1,462,410; July 17.
Aeroplanes, Arming of. J. J. M. A. E. Schneider. 1,461,833; July 17.
Air, Apparatus for humidifying. L. E. Vignon. 1,461,840; July 17.
Air, Cooling. A. Messer. 1,462,177; July 17.
Air heater. B. S. Harrison. 1,462,339; July 17.
Air propeller. C. Dornier. 1,461,866; July 17.
Aircraft, Propelling device for. H. E. Hawes. 1,461,733; July 17.
Airplanes, Landing gear for. J. A. Roché. Re15,656; July 17.
Anchor. G. H. James. 1,462,342; July 17.
Apparel, Fastening device for wearing. S. Rivelis. 1,462,049; July 17.
Artichoke trimmer and cutter. J. Guerrieri. 1,461,874; July 17.
Article holder. O. T. Sundin. 1,461,837; July 17.
Assembling and transfer mechanism. F. W. Letsch. 1,462,116; July 17.
Assembling machine, Hand-stamp. G. H. Cole. 1,461,971; July 17.
Atomizer. M. A. Meyer. 1,462,041; July 17.
Attaching machine. C. E. Conner. 1,461,893; July 17.
Anthrakinone and its derivatives, Purifying. F. W. Atack. 1,451,745; July 17.
Auto appliance. P. E. Van Nostrand. 1,462,398; July 17.
Auto rear-axle differential mechanism. F. Tobis and F. Jarzyna. 1,462,204; July 17.
Automobile emergency fuel tank. J. A. Carlson. 1,461,890; July 17.
Automobile fender. S. G. Fitzsimons. 1,462,104; July 17.
Automobile fender. L. M. Smith. 1,462,152; July 17.
Automobile gasoline tanks, Electric switch for. W. S. La Londe. 1,461,825; July 17.
Automobile lock. A. C. Hill. 1,462,137; July 17.
Automobile radiator attachment. J. F. White. 1,462,403; July 17.
Automobile radiator condenser. H. L. Crafts. 1,461,726; July 17.
Automobile radiator-repair device. M. Anchelevich. 1,462,360; July 17.
Automobile radiators, Water-level indicator for. H. H. Boyce. 1,461,722; July 17.
Automobile springs and the like, Tool for removing shackle bolts of. C. O. Dutro and R. W. and G. S. Kent. 1,462,447; July 17.
Automobiles, Theft-preventing device for. J. McMullen. 1,462,118; July 17.
Bag-cleaning machine. H. J. F. T. Kacker. 1,461,850; July 17.
Bag holder. D. O. McRoberts. 1,461,802; July 17.
Band brake. G. W. MacBride and G. C. Bonney. 1,461,803; July 17.
Banjo tailpiece. E. O. Winship and F. J. Bacon. 1,462,359; July 17.
Bank, Frog. N. S. Eberhardt and A. E. Hackett. 1,461,821; July 17.
Bank, Savings. B. C. Williams. 1,462,184; July 17.
Bar: See—
Locking bar.
Barrel chimes, Forming sheet-metal. H. J. Foster and O. Thomas. 1,461,729; July 17.
Basket-corrugating machine, Metal. F. T. Wernimont. 1,462,457; July 17.
Basket or similar article, Metal. W. Geib. Des. 62,670; July 17.
Battery carrier. W. W. Young. 1,461,995; July 17.
Battery-strap mold. T. E. Jones. 1,462,364; July 17.
Bearing and transmission, Combined resilient. B. F. Seymour. 1,462,384-6; July 17.
Bearing, Roller. T. G. Rennerfelt. 1,462,379; July 17.
Bearing, Submerged. H. E. Kellogg. 1,462,366; July 17.
Beehive. J. Toth. 1,461,950; July 17.
Bending machine. M. R. Akey and H. Katz. 1,462,315; July 17.
Beverage. W. O. Snelling. 1,461,808; July 17.
Billiard table. C. A. Wendt. Des. 62,685; July 17.
Binder or loose-sheet holder, Temporary. G. P. Wigginton. 1,461,954; July 17.
Blade holder. J. E. Myers. 1,462,146; July 17.
Blank-sorting machine. W. C. Stewart. 1,461,789; July 17.
Block: See—
Brake block. Concrete block.
Concrete building block.
Blocks, Molding apparatus for compressed. F. Bonnet. 1,461,860; July 17.
Board: See—
Steam board.
Boats, Hoisting and lowering collapsible life. G. Rinesi. 1,462,422; July 17.
Boiler: See—
Steam boiler.
Boiler tubes, Apparatus for cleaning the outside of. F. Kober. 1,462,415; July 17.
Bolt: See—
Clamp bolt.
Bookkeeping system. H. J. La Wall and C. E. Wetzel. 1,462,140; July 17.
Bottle cap. W. C. Buttner. 1,462,165; July 17.
Bottle closure, Milk. A. M. Baroody. 1,462,462; July 17.
Bottle holder, Milk. W. H. Lykins. 1,462,370; July 17.
Bottle, Milk. R. Dunn. 1,462,330; July 17.
Bottle, Perfume. C. Weeks. Des. 62,684; July 17.
Bottle protector. J. McCrink. 1,462,291; July 17.
Bottle receptacle. T. E. Petty. 1,462,356; July 17.
Bowl or similar article. H. Wanerman. Des. 62,679-80; July 17.
Box: See—
Cut-out box. Lunch box.
Folding box. Paper folding box.
Box-making machines, Means for feeding adhesive material to. J. Rudnick. 1,461,737; July 17.
Boxes and the like, Machine for making paper folding. C. Butterfield. 1,461,966; July 17.
Boxes, Corner stay for. E. G. Higginson. 1,462,009; July 17.
Boxes or the like, Making paper folding. C. Butterfield. 1,461,967; July 17.
Bracket: See—
Cloth sline bracket. Spotlight bracket.
Braiding machines, Carrier-controlling device for. A. Petersen. 1,462,213; July 17.
Brake: See—
Band brake. Pneumatic brake.
Brake block. R. J. Stokes. 1,462,391; July 17.
Brakes, Automatic slack adjuster for. A. R. K. Djurson. 1,462,270; July 17.
Bread pan. C. Driver. 1,461,974; July 17.
Bridge gate, Automatic. I. Harmata. 1,461,901; July 17.
Bridge-reinforcing means. R. Z. Drake. 1,461,795; July 17.
Brooder. J. Hale. 1,462,336; July 17.
Buckle, Belt. E. S. Mix. 1,461,826; July 17.
Building construction. E. A. Mayo. 1,462,208; July 17.
Burner: See—
Gas burner. Oil burner.
Liquid-fuel burner. Torch burner.
Burner of the injector type. L. Grote. 1,461,873; July 17.
Button, Separable. I. Fried. 1,462,332; July 17.
Cabin-t. Display. J. T. Ashbrooke. Des. 62,663; July 17.
Calculating machine. F. Trinks. 1,462,397; July 17.
Calculating machines, Automatic carriage raising means for. E. F. Britten, jr. 1,462,059; July 17.
Calculating machines, Carry-set mechanism for. E. F. Britten, jr. 1,462,060; July 17.
Calculating machines, Overthrow check for. E. F. Britten, jr. 1,462,061; July 17.
Cap. G. C. Apple. 1,462,438; July 17.
Cap, Dust. G. W. Terry. 1,462,394; July 17.
Cap or the like, Dust. E. V. Myers. 1,462,021; July 17.
Car-check holder. R. C. Leitch. 1,462,015; July 17.
Car coupler. H. M. Brown. 1,462,190; July 17.
Car coupling. J. H. Eggers, jr. 1,461,769; July 17.
Car door, Grain. H. M. Tenneson. 1,461,839; July 17.
Car door, Railway-freight. C. E. Webster. 1,462,402; July 17.
Car, Dump. H. S. Hart. 1,461,732; July 17.
Car-end construction. W. D. Thompson and A. R. Wilson. 1,461,883; July 17.

- Car roof. C. D. Bonsall. 1,461,721; July 17.
 Car-wheel clamp, Railway-. C. Mitchell. 1,462,294; July 17.
 Cars, Invisible baggage guard for motor. T. Daines. 1,461,972; July 17.
 Cars, bumpers, etc., Kinetic-energy-transforming means for. F. E. Stebbins. 1,461,788; July 17.
 Cars, Kinetic-energy-transforming means for. F. E. Stebbins. 1,461,787; July 17.
 Carburetor. D. Cole and C. J. Gustafson. 1,461,970; July 17.
 Carburetor. A. Wagner. 1,462,219; July 17.
 Card feeders, Adjustable feed-roll journal for. J. B. Howe. 1,462,203; July 17.
 Carrier: See—
 Battery carrier.
 Cart and like vehicle, Child's mail. J. G. Evans. 1,461,976; July 17.
 Cart, Wire. E. R. Sager. 1,461,939; July 17.
 Carton, Counter. A. Seifert. 1,462,051; July 17.
 Case: See—
 Vanity case.
 Casing head. C. S. Clarke. 1,462,131; July 17.
 Casting machine, Type-line. F. W. Neumayer. 1,462,298; July 17.
 Castings, Heat treatment of light. S. Apgar. 1,462,460; July 17.
 Cellulose plastics, Plasticiser for. A. D. St. John. 1,462,306; July 17.
 Centrifugal machines, Braking device for. M. Leitch. 1,462,141; July 17.
 Centrifugal separator. C. B. Jandos. 1,461,909; July 17.
 Centrifugal separating machine. F. Koch. 1,461,777; July 17.
 Chair: See—
 Reclining chair.
 Chair tightener. C. Fischer. 1,461,868; July 17.
 Check holder. C. Feddern. 1,462,448; July 17.
 Cheese, Preparing. G. Meyer. 1,462,375; July 17.
 Chuck, Reversing. F. M. Funk and M. C. Jenners. 1,461,871; July 17.
 Cigarette-pouch packaging mechanism. H. de Escobales. 1,462,326-7; July 17.
 Cinematographic projection apparatus. L. Frassier. 1,461,870; July 17.
 Clamp: See—
 Car-wheel clamp.
 Clamp bolt, Automatic. S. A. Slawson. 1,461,882; July 17.
 Cleaner: See—
 Vacuum cleaner.
 Cleaning implement. G. A. Hoyem. 1,461,904; July 17.
 Clip: See—
 Lingerie clip.
 Clip. R. W. Cook. 1,462,193; July 17.
 Clip guide. W. H. Parrott. 1,462,300; July 17.
 Clock, Alarm. P. Lux. 1,462,142; July 17.
 Clocks and the like, Driving mechanism for. K. Silbermann. 1,461,739; July 17.
 Clothes basket, Portable. T. Glock. 1,462,133; July 17.
 Clothesline bracket, Safety. J. P. Munford. 1,462,241; July 17.
 Clothespin. L. N. Oswald. 1,461,982; July 17.
 Clutch mechanism. C. E. Reddig. 1,462,046; July 17.
 Clutch-pedal attachment. E. S. Engle. 1,461,771; July 17.
 Coal, minerals, or the like, Washer for classifying. L. Maléot. 1,462,418; July 17.
 Coal-tipple attachment. E. H. Hersh. 1,461,844; July 17.
 Coffee making or brewing machine. V. Casoletti. 1,462,322; July 17.
 Coke containers or the like, Arrangement in. A. Moeteli. 1,462,119; July 17.
 Collapsible tube, Valved. H. L. Frizell. 1,462,232; July 17.
 Collectors, Safety support for current. A. C. Wood. 1,461,813; July 17.
 Comb and brush. A. N. Warren. 1,462,400; July 17.
 Communication system, Secret-. R. D. Parker and B. P. Hamilton. 1,461,783; July 17.
 Compact attachment. A. M. Locke. 1,461,923; July 17.
 Compasses. U. Johnson. 1,462,412; July 17.
 Concrete block. L. V. Metz. 1,462,374; July 17.
 Concrete building. F. H. Coney. 1,461,891; July 17.
 Concrete building block. F. Kagermeier. 1,461,851; July 17.
 Concrete buildings, Column cap for. F. H. Coney. 1,461,892; July 17.
 Concrete insert. C. C. Tomkinson. 1,461,742; July 17.
 Condenser. E. F. Seager. 1,462,214; July 17.
 Conductor holder. H. P. Chandler. 1,461,753; July 17.
 Conductor support. H. P. Chandler. 1,461,750-2; July 17.
 Conductor support. A. C. Wood. 1,461,811-2; July 17.
 Conduit box, Universal. F. J. Miner. 1,462,209; July 17.
 Cone-baking machine. D. L. Stull. 1,461,836; July 17.
 Container. E. B. Finlayson. 1,462,034; July 17.
 Control, Neutral-position safety. W. E. Day. 1,462,031; July 17.
 Conveyor, Discharging. J. Ross. 1,462,126; July 17.
 Conveyor-coupling means. F. B. Caldwell. 1,462,461; July 17.
 Conveyor, Leer. W. R. Sterrett. 1,462,427; July 17.
 Cooker and melting pot, Electric. H. C. Bausert. 1,462,224; July 17.
 Cooking utensil. K. Gammel. 1,462,275; July 17.
 Cooking utensils, Device for. J. J. Hart. 1,462,105; July 17.
 Coop, Poultry. C. E. Stockham. 1,461,989; July 17.
 Copper Hydrometallurgical precipitation of. F. Laist. 1,461,918; July 17.
 Cord anchor. P. Rissmann. 1,462,125; July 17.
 Corn husker. O. Boyer. 1,461,748; July 17.
 Corn, Rack for drying seed. P. E. Sievert. 1,461,946; July 17.
 Corn separator, Snapped-. F. J. Temple. 1,462,428; July 17.
 Corset. P. H. Robbins. 1,462,423; July 17.
 Cotton-picking machine. Damper-controlling means for. A. St. Onge. 1,462,307; July 17.
 Cotton, wool, and other fibers, Machine for opening and cleaning. W. Youlton. 1,462,458; July 17.
 Coupling: See—
 Car coupling.
 Coupling. F. O. Arnold. 1,461,958; July 17.
 Coupling. J. Zajic. 1,462,406; July 17.
 Cover remover. F. J. Parker. 1,461,983; July 17.
 Cranes, Hoisting and luffing mechanism for. R. S. Lewis. 1,461,800; July 17.
 Crank, Safety. I. C. Bice. 1,462,002; July 17.
 Cream testers, Timing device for. S. Z. Bland. 1,461,964; July 17.
 Crematory. A. C. Felton, jr. 1,462,230; July 17.
 Crumb sweeper. W. Aisenstein. 1,461,814; July 17.
 Culvert mold. T. De La Mare. 1,461,973; July 17.
 Current collector and sleet remover. S. S. Matthes. 1,461,781; July 17.
 Curtain-rod support. L. J. Kroesser. 1,461,855; July 17.
 Cut-out box. A. L. Pierce. 1,462,124; July 17.
 Cutter: See—
 Ensilage cutter. Tire gauge cutter.
 Cylinder lock. M. J. O'Connor. 1,462,299; July 17.
 Cylinder-reboring machine. M. H. Hansen. 1,461,877; July 17.
 Dandy roll. J. H. Lowe. 1,462,369; July 17.
 Delivery from containers, Means of single-article. W. S. Newman. 1,461,981; July 17.
 Dental tray. H. E. Weber. 1,461,765; July 17.
 Detonator. W. O. Snelling. 1,462,074; July 17.
 Detonator composition. W. O. Snelling. 1,462,075; July 17.
 Detonator composition. C. E. Waller. 1,462,093; July 17.
 Die press, Gang. H. C. H. Walsh. 1,462,094; July 17.
 Diethylbarbiture acid and its homologues, Manufacturing compounds soluble in water of. F. Quade. 1,461,831; July 17.
 Digger: See—
 Potato digger.
 Direction signal. C. D. Wiemer. Des. 62,686; July 17.
 Disk wheel, Shock-absorbing. G. A. Cheremisinoff. 1,461,969; July 17.
 Dispensing and measuring device. O. Hauenstein. 1,462,407; July 17.
 Dispensing apparatus. H. L. Weber. 1,461,992; July 17.
 Dispensing device, Safety. M. F. Millot. 1,462,352; July 17.
 Display and vending device, Combination. G. F. Baitz. 1,462,024; July 17.
 Distributing mechanism, Ware-. P. Q. Williams and L. D. Souhier. 1,462,078; July 17.
 Dividing-board regulator. W. A. Martin. 1,462,017; July 17.
 Dolly jack. L. J. McKone. 1,462,039; July 17.
 Door and tracks therefor, Sliding. E. J. G. Phillips. 1,462,302; July 17.
 Door, Sectional. J. E. Ogden. 1,462,044; July 17.
 Drag link and making the same. J. W. White. 1,462,467; July 17.
 Drill. F. W. Zimmerman. 1,461,791; July 17.
 Drill press, Automatic. C. E. Cox. 1,461,755; July 17.
 Drill presses, Hand feed for. O. A. Osmondson. 1,461,931; July 17.
 Drilling machine. H. C. Brewster. 1,462,098; July 17.
 Dropping machine. R. E. and R. E. Wilson. 1,462,185; July 17.
 Drying apparatus. H. Bentz. 1,462,025; July 17.
 Dumping body. W. H. Mahlow. 1,462,417; July 17.
 Dyeing, Clamp for producing mottled skein. H. Epstein. 1,461,822; July 17.
 Dynamo, Inherently-regulated direct-current. H. Charlet. 1,462,226; July 17.
 Edging or border finish. J. M. Merrow. 1,462,372-3; July 17.
 Egg beater. A. Bevan. 1,461,962; July 17.
 Elastic fabric. V. Guinzburg. 1,462,279; July 17.
 Electric conductors, Support for. S. S. Matthes. 1,461,780; July 17.
 Electric fountain. W. L. Haanel. 1,462,281; July 17.
 Electric-furnace linings, Manufacture of. W. R. Clark. 1,461,862-3; July 17.
 Electric heater. E. H. Richardson. 1,462,380; July 17.
 Electric heater. E. C. Strickland. 1,462,392; July 17.
 Electric-lighting fixture. H. W. Cordingly. 1,462,132; July 17.
 Electric starter. C. C. Andersen. 1,461,996; July 17.

- Electric switch. H. J. H. Huber. 1,462,340; July 17.
 Electrical apparatus, Method and means for cooling. I. H. Burnham. 1,462,321; July 17.
 Electrical apparatus, Protective device for. C. H. Kline. 1,462,346; July 17.
 Electrical coils, Machine and method for winding. H. C. Egerton. 1,462,032; July 17.
 Electrical indicating device. R. S. O'Neil. 1,461,830; July 17.
 Electrical instrument. C. I. Hall. 1,462,337; July 17.
 Electrical testing system. H. M. Stoller. 1,462,053; July 17.
 Electromagnet. E. B. Thurston. 1,462,129; July 17.
 Elevator interlock, Safety. F. M. Coffin. 1,462,264; July 17.
 Elevators and the like, Backstop for. E. A. Beyl. 1,462,318; July 17.
 Engine: *See*—
 Internal-combustion engine.
 Engines and analogous uses, Split piston for internal-combustion. G. T. Lewis. 1,462,089; July 17.
 Engines on motor cycles, Novel device for securing. C. Frangenburg. 1,461,869; July 17.
 Engines, Speed governor for internal-combustion. E. R. Pierce. 1,461,933; July 17.
 Engines, Water circulator for auto. G. Muller and M. B. Hill. 1,462,042; July 17.
 Ensilage cutter. E. W. Silver. 1,461,764; July 17.
 Envelope. W. H. Deubener. 1,461,727; July 17.
 Envelope and letter sheet, Combined. H. Harris. 1,461,879; July 17.
 Envelope machine. E. F. Nisson. 1,461,827; July 17.
 Envelope-making machines, Removable drying-chain mechanism for. A. E. Augustine. 1,461,746; July 17.
 Envelopes, Machine for making window. C. F. Pfanzne. 1,462,149; July 17.
 Expandible coupling member. E. W. Weyrauch. 1,461,767; July 17.
 Fabric: *See*—
 Elastic fabric.
 Fabric holder, Roll-. J. Girard. 1,462,333; July 17.
 Fabrics, Machine for uniting looped. P. P. La Montagne. 1,462,367; July 17.
 Fabrics, Machine for uniting looped. E. E. Randall. 1,462,378; July 17.
 Fabrics, Means for finishing. A. A. Grundy. 1,462,172; July 17.
 Fan, Hand operated toilet. E. W. and W. J. Wisch. 1,461,768; July 17.
 Fan, Multiple propeller. J. M. Seymour. 1,462,151; July 17.
 Fastener elements, Securing means for. L. M. Foss. 1,462,463; July 17.
 Fasteners, Cord terminal for mask. G. A. Hanft. 1,461,900; July 17.
 Faucet and mixing nozzle, Combination. S. Kersten. 1,462,413; July 17.
 Fender: *See*—
 Automobile fender.
 Fenders and the like, Sheet-metal-rolling machine for. H. R. Kennedy. 1,461,853; July 17.
 Ferrule and wood-holding device, Adjustable propeller. N. H. Cederquist. 1,462,083; July 17.
 Fibrous materials, Machine for opening and cleaning. W. Youlten. 1,462,459; July 17.
 Film and the like, Reel for cinematograph. E. J. Way. 1,462,401; July 17.
 Film-developing apparatus. H. C. F. Morant. 1,462,019; July 17.
 Film reel. L. L. Chapman. 1,462,166; July 17.
 Films, Fluid-treating apparatus for. C. de Moos. 1,461,794; July 17.
 Filtering means for lubricating systems. E. E. Hans. 1,462,175; July 17.
 Firearms, Silencer for. F. Wildner. 1,462,158; July 17.
 Fishing apparatus. C. P. Dross. 1,462,196; July 17.
 Fishing tool. C. H. Brown. 1,462,099; July 17.
 Flange, Adjustable. L. R. Zifferer. 1,462,187; July 17.
 Fluid meter. B. Greenfield. 1,462,170; July 17.
 Flycatcher. L. C. McDermott. 1,462,416; July 17.
 Flying-machine propeller. W. H. Kelly. 1,461,913; July 17.
 Flying machines, Device for determining the course on. G. Caproni. 1,462,100; July 17.
 Flytrap. F. B. Carey. 1,462,004; July 17.
 Flytrap. J. A. Mack. 1,461,925; July 17.
 Folding box. J. R. Myers. 1,462,297; July 17.
 Food product and making same. T. Braff. 1,462,163; July 17.
 Fountain: *See*—
 Electric fountain. Stock fountain.
 Fruit picker. T. F. Henninger. 1,462,008; July 17.
 Funnel, Automatic. N. Tebiasson. 1,462,253; July 17.
 Furnace: *See*—
 Heating furnace. Hot-air furnace.
 Furnace and controlling the draft therein. W. M. Duncan. 1,461,819; July 17.
 Furnace arch. R. D. De Wolf. 1,462,267; July 17.
 Furnace for pulverous fuel. K. H. V. von Porat. 1,462,310; July 17.
 Furnaces, Apparatus for charging reverberatory. A. G. McGregor. 1,461,801; July 17.
 Furnaces, Tipping crucible for basalt. P. Dhé. 1,462,446; July 17.
 Fuse. J. H. Woodberry. 1,462,314; July 17.
 Fuse, Detonating. J. H. Woodberry. 1,462,313; July 17.
 Fuse, Electric safety. S. J. Knudsen. 1,462,013; July 17.
 Fuse, Multiple. N. J. Doyle. 1,462,195; July 17.
 Fuse, Percussion. R. Haas. 1,462,173; July 17.
 Game apparatus or amusement device. F. A. Pfeifer and C. Naab. 1,462,179; July 17.
 Games, Apparatus for playing race. H. T. Brooker. 1,462,189; July 17.
 Garment hanger. J. T. McKenna. 1,462,067; July 17.
 Garment support. M. Sonnenfeld. 1,462,389; July 17.
 Garments and similar articles, Trimming for. C. J. Busch. Des. 62,665; July 17.
 Gas burner. J. Festa. 1,462,331; July 17.
 Gasket, Leather. B. B. Holmes. 1,461,902; July 17.
 Gasoline, Apparatus for treating. T. A. Gross. 1,462,335; July 17.
 Gasoline-reserve-supply apparatus. J. H. Parsons. 1,461,805; July 17.
 Gate: *See*—
 Bridge gate.
 Gate. J. M. McDaniel. 1,462,066; July 17.
 Gauge mechanism, Pressure-. C. H. Graesser. 1,461,730; July 17.
 Gear puller. A. F. Young. 1,462,437; July 17.
 Gear-shifting device. L. A. Laursen. 1,462,139; July 17.
 Gearing for marine propulsion and the like. K. Alquist. 1,462,316; July 17.
 Glass-cutting machine. H. B. Davis. 1,462,030; July 17.
 Glass-polishing machine, Beveled-. B. Rehm. 1,462,303; July 17.
 Glassware, Holder for illuminating. H. C. Adam. Des. 62,662; July 17.
 Glassworking mold. C. C. Bohner. 1,462,362; July 17.
 Governor, Centrifugal. C. J. Hendrickson. 1,462,087; July 17.
 Gramophone and like needles, Packing and delivering. C. West. 1,462,056; July 17.
 Grate, Furnace. R. E. Sturman. 1,462,393; July 17.
 Grinding devices, Guide for. M. P. Schmitt. 1,461,985; July 17.
 Grinding machine. E. W. Mikaelson and A. A. Neave. 1,462,420; July 17.
 Gun, Cleaning-process. F. M. Hilgerink. 1,461,824; July 17.
 Hairdresser's comb. L. J. P. Crooms. 1,462,167; July 17.
 Hairpins, Forming. M. A. Fishel. 1,461,728; July 17.
 Hammock, Couch. G. F. Sisbower and L. E. Pittoni. 1,461,740; July 17.
 Hand roller. R. B. Bird. 1,461,815; July 17.
 Hanger: *See*—
 Garment hanger. Sickle hanger.
 Harrow. R. M. Crowder. 1,462,324; July 17.
 Harvester, Stump. E. A. McKoy and G. D. Moore. Re15,655; July 17.
 Harvesting and thrashing machine, Straw spreader for. B. E. Slade. 1,462,387; July 17.
 Hat brims, Stitching mechanism for. J. Denmark. 1,462,168; July 17.
 Haystacker. J. H. Cope. Re15,658; July 17.
 Headlight and reflector, Automobile. T. De L. Graham. 1,462,036; July 17.
 Headlight attachment. B. J. Lee. 1,462,065; July 17.
 Headlight, Vehicle. O. G. Lynties. 1,461,924; July 17.
 Heat transmission. J. L. Banks. 1,462,079; July 17.
 Heater: *See*—
 Air heater. Tank heater.
 Electric heater.
 Heater-casing construction. J. J. Seemann. 1,461,943; July 17.
 Heating furnace. H. W. Mason. 1,462,018; July 17.
 Hoists, Brake for electric-motor-operated. M. Cosulich. 1,462,265; July 17.
 Holding device. S. S. Matthes. 1,461,779; July 17.
 Hose-clamp-display stand. A. E. Feige. Des. 62,669; July 17.
 Hot-air furnace. J. C. Kanak. 1,462,287; July 17.
 Hydrocarbon motor. J. G. Vincent. 1,461,990; July 17.
 Hydrocarbons, Treatment of. W. F. Rittman. 1,462,247; July 17.
 Hydrocycle. F. Brady. 1,462,027; July 17.
 Ice cream and similar products to be maintained cold for many hours, Cooling container or so-called "dry containers" for. J. E. Graham. 1,462,450; July 17.
 Ice, Process and apparatus for making. L. G. Nordmeyer. 1,461,828; July 17.
 Immervious material and its production. W. F. Bleecker. 1,462,003; July 17.
 Impulse sender. M. Setter. 1,461,944; July 17.
 Index, Filing. P. Dietrich. 1,462,268; July 17.
 Indicator: *See*—
 Pressure indicator. Voltage indicator.
 Indicator. P. Lo Cascio. 1,462,028; July 17.
 Indicator. N. C. McConahy. 1,462,371; July 17.
 Internal-combustion engine. B. Stosik. 1,461,948; July 17.
 Internal-combustion engine. D. M. Weigel. 1,462,182; July 17.
 Iron: *See*—
 Pressing iron.
 Jack: *See*—
 Dolly jack. Tire-changing jack.
 Jack. J. H. Pope. 1,461,786; July 17.

- Jar: See—
 Sirup jar.
- Joint and power transmission, Universal. E. A. Lewis. 1,462,016; July 17.
- Key-duplicating machine. S. Segal. 1,462,150; July 17.
- Key ring and the like. L. F. Korn. 1,462,205; July 17.
- Kiln, Drying. C. A. Cutler. 1,462,194; July 17.
- Knife switches, Interlocking. L. C. Wescoat. 1,462,055; July 17.
- Label. C. Wiegandt. 1,462,220; July 17.
- Ladder attachment. P. M. Echlin. 1,462,086; July 17.
- Ladder, Extension. G. H. Walchli. 1,461,952; July 17.
- Lamp and bookrack, Combined. A. S. Trask. Des. 62,678; July 17.
- Lamp, Battery. E. J. McEachron. 1,462,207; July 17.
- Lamp, Electric gas. A. Lederer. 1,461,921; July 17.
- Lamp for automobiles, Rear. M. Frascadore and R. Vallone. 1,462,274; July 17.
- Lamp shade. G. I. Schlay. Des. 62,676; July 17.
- Lamps, Closure construction for auto. E. E. Kuen. 1,461,799; July 17.
- Lamps, Glare-preventing device for. F. Burbidge. 1,461,749; July 17.
- Land leveler. W. H. Monroe. 1,462,120; July 17.
- Lathe center. D. E. Howard. 1,462,409; July 17.
- Lathe, Reversing mechanism for. H. J. Kiam. 1,461,776; July 17.
- Lawn sprinkler. L. D. Barney. 1,462,256; July 17.
- Level. H. Tangee. 1,462,054; July 17.
- Level, Spirit. F. W. Fouse. 1,462,231; July 17.
- Level, Spirit. P. H. Vogel. 1,462,430; July 17.
- Lifter: See—
 Pile lifter.
- Lifting jacks, Wheeling attachment for. K. Eck. 1,461,820; July 17.
- Lifts and the like, Gripping device for. P. Schönfeld. 1,462,382; July 17.
- Light, Method and apparatus for producing cool. J. Lyons. 1,462,348; July 17.
- Lightning arrester. C. T. Allcutt. Re15,653; July 17.
- Lighting fixture. A. Aarons. Des. 62,660; July 17.
- Lighting fixture. H. C. Adam. Des. 62,666; July 17.
- Lighting-fixture canopy. A. Aarons. Des. 62,661; July 17.
- Lighting-fixture plate. G. E. McFadden. Des. 62,673; July 17.
- Lighting fixtures, Plate for. P. S. Warman. Des. 62,681; July 17.
- Lime, Making hydrated. M. Hermann. 1,462,284; July 17.
- Line switch, Crossbar. J. N. Reynolds. 1,462,047; July 17.
- Lingerie clip. E. E. Clark. Re15,654; July 17.
- Liquid-fuel burner. G. A. Bryan. 1,462,261; July 17.
- Liquid-fuel burner. C. M. Rushing. 1,462,072; July 17.
- Liquid-fuel, Vaporizer for. H. L. Blackwood. 1,462,361; July 17.
- Liquids, Apparatus for aerating. C. J. C. W. Hyne. 1,462,063; July 17.
- Lithographing presses, Water distributor for. C. Henderson. 1,462,136; July 17.
- Loading device. N. W. Fabek. 1,462,272; July 17.
- Lock: See—
 Automobile lock. Stovepipe lock.
 Cylinder lock. Tire lock.
 Mortise lock.
- Lock. T. C. Cooper. 1,461,725; July 17.
- Lock. I. A. Treiman and R. L. Rockwell. 1,461,857; July 17.
- Locking bar. F. J. Greene. 1,462,278; July 17.
- Locomotive water column. W. M. Gray. 1,462,134; July 17.
- Loom, Weft-replenishing. N. Caron. 1,461,861; July 17.
- Looms, Feeler mechanism for. E. T. Gilman. 1,461,872; July 17.
- Looms, Tuft-yarn spool for. H. D. Clinton. 1,462,192; July 17.
- Lubricating device. L. M. Hale. 1,462,174; July 17.
- Lunch box, Folding. R. L. Brazee. 1,462,225; July 17.
- Machine tools and the like, Speed control for. B. S. Pero. 1,462,354; July 17.
- Magazine rack. A. B. Wendel. 1,462,434; July 17.
- Magnetic material, Treatment of. W. Pondiller. 1,462,035; July 17.
- Magnetic separator. A. F. Jobke. 1,462,111; July 17.
- Magnetic suspension. H. E. Warren. 1,462,433; July 17.
- Manhole door. G. G. Musted. 1,462,353; July 17.
- Map-display device. A. J. Westman. 1,461,842; July 17.
- Measuring device, Cable. W. F. Hosford. 1,461,758; July 17.
- Mercury-vapor pump for high vacuums. J. Jonas and O. Seitz. 1,462,112; July 17.
- Merry-go-round. H. Hrobosky. 1,461,881; July 17.
- Metal-molding apparatus. H. C. Zenke. 1,462,186; July 17.
- Metalliferous materials containing metals of the chromium group, Electrolytic treatment of. R. E. Pearson and E. N. Craig. 1,462,421; July 17.
- Met: See—
 Fluid meter.
- Micrometer caliper. L. O. Beard. 1,462,130; July 17.
- Milk fermentation. A. B. Clark. 1,462,029; July 17.
- Mine-car coupler. F. S. Barks. 1,462,188; July 17.
- Mirror, brush, or similar article. W. S. Bechtold. Des. 62,664; July 17.
- Mixing machine, Sand or like. J. W. Richards. 1,461,936; July 17.
- Modulating system. R. V. L. Hartley. 1,462,038; July 17.
- Mold: See—
 Battery-strap mold. Glassworking mold.
 Culvert mold. Typographical mold.
- Mold. G. K. Monroe. 1,461,929; July 17.
- Mold assembly, Translational sectional. E. E. Schenk. 1,461,940; July 17.
- Mop. F. W. Pendergast. 1,461,762; July 17.
- Mortise lock. J. Croning. 1,461,756; July 17.
- Motor: See—
 Hydrocarbon motor. Wave motor.
- Motor-control means and system and method. R. Kysela. 1,461,917; July 17.
- Motor cycles, Side car for. J. O. Johnston. 1,461,759; July 17.
- Motors, Adjustable bearing for spring. E. E. Wilkinson and S. Aronson. 1,461,858; July 17.
- Motors, Governing valve for internal combustion. H. R. Jackson. 1,461,847; July 17.
- Musical-instrument rack. R. E. Larson. 1,461,920; July 17.
- Music-roll tubes, Apparatus for applying heads to. W. Snyder. 1,462,305; July 17.
- Nail-extracting apparatus. A. Piasek. 1,462,045; July 17.
- Nail-transferring mechanism. J. H. Pope. 1,461,784; July 17.
- Nozzle, Spray. J. D. Murray. 1,462,020; July 17.
- Nozzles or atomizers, Construction of spraying. H. A. Thompson. 1,462,395; July 17.
- Odometer train-resetting device. A. C. Wood. 1,461,956; July 17.
- Oil, Apparatus for cleaning and clarifying used lubricating. T. D. Richards. 1,462,048; July 17.
- Oil, Process and apparatus for mixing and burning. A. E. Grant. 1,462,464; July 17.
- Oils, Apparatus for treating hydrocarbon. L. H. Manning. 1,462,069; July 17.
- Oil burner. H. Izard. 1,461,908; July 17.
- Oils, Cracking hydrocarbon. F. T. Manley. 1,462,143; July 17.
- Oils, Treating hydrocarbon. L. H. Manning. 1,462,068; July 17.
- Orchestra, Mechanical. G. W. Hall. 1,462,006; July 17.
- Organs, Adjustable combination stop action for. E. Verindea. 1,462,429; July 17.
- Ore reduction. S. E. T. Ewing and J. L. Willey. 1,461,977; July 17.
- Ores, Treating. A. Silver. 1,461,807; July 17.
- Ov-ralls, Combination. A. G. Hildreth. 1,461,798; July 17.
- Oven. J. H. Beeby. 1,461,999; July 17.
- Packages, Apparatus for moistureproofing. L. Morinsky. 1,461,760; July 17.
- Pan: See—
 Bread pan.
- Pantograph. R. B. Spikes. 1,461,988; July 17.
- Paper can or carbon. L. C. Brooks. 1,462,443; July 17.
- Paper folding box. S. Bergstein. 1,461,961; July 17.
- Paper-hanger's table. A. Finn. 1,462,449; July 17.
- Paper holder, Toilet. A. W. Hartmeyer. 1,462,176; July 17.
- Paper pails, Cover-fastening device for. G. W. Swift, jr. 1,462,153; July 17.
- Parachute pack and harness, etc. F. Smith. 1,462,456; July 17.
- Partition support and surge place. A. A. Kramer. 1,462,347.
- Peanut picker. T. I. Phelps. 1,462,123; July 17.
- Pen, Fountain. V. Gardner. 1,461,823; July 17.
- Pen, Fountain. L. Taddeo. 1,461,838; July 17.
- Pen, Fox. H. T. Holman. 1,462,107; July 17.
- Phonographic records, Making. E. W. Jones and E. R. Harris. 1,461,849; July 17.
- Piano action, Spectrum. G. Casciotta. 1,462,444; July 17.
- Picker: See—
 Fruit picker. Peanut picker.
- Picture frames, Picture-retaining device for. C. Mandel. 1,462,419; July 17.
- Pile lifter. C. L. West. 1,462,435; July 17.
- Pipe attachment, Smoking. J. T. Shaw. 1,462,425; July 17.
- Pipe clamp and wrench. J. A. Painter and H. G. McCulloch. 1,462,377; July 17.
- Pipe-forming plant. D. L. Williams. 1,462,311; July 17.
- Pipe points, Apparatus for forming. L. A. Weston. 1,462,077; July 17.
- Pipes, Casing for smoking. L. Graveure. 1,462,277; July 17.
- Pipes to tanks and other receptacles, Device for connecting suction. W. C. Shanley. 1,461,945; July 17.
- Piston. J. W. Corser. 1,462,084; July 17.
- Piston ring. J. E. Norwood. 1,462,043; July 17.
- Pitcher. A. J. Sanford. Des. 62,675; July 17.
- Plow, Antiside-draft. P. Hansmann and H. Strack. 1,462,135; July 17.
- Pneumatic brake. I. Drolshammer. 1,462,229; July 17.
- Pneumatic support. G. Jordahn. 1,461,911; July 17.
- Pocket lighter, Cerium. F. Beck. 1,462,191; July 17.

- Pole construction, Metal. A. W. Wright and B. F. Ibach. 1,461,994; July 17.
- Porcelain. C. C. Treischel. 1,462,396; July 17.
- Post: See—
- Tennis post.
- Postage-marking machine, Register for. A. H. Pitney and J. W. Ogden. 1,461,934; July 17.
- Potato digger. A. J. and E. H. Raasch and H. A. Olsen. 1,461,935; July 17.
- Powder box. Talcum. C. Weeks. Des. 62,683; July 17.
- Powder puff. M. Brock. 1,462,258-60; July 17.
- Powder puff and cover therefor. M. Brock. 1,462,257; July 17.
- Press: See—
- Die press. Drill press.
- Pressing iron. H. W. Peth. 1,462,355; July 17.
- Pressure control, Automatic. G. A. Brooke, jr. 1,462,164; July 17.
- Pressure indicator. M. S. Hopkins. 1,462,109; July 17.
- Printing machines, Collapsible-tube-coating mechanism for tube. A. W. Paull and A. L. Edwards. 1,461,761; July 17.
- Printing press, Flat-bed. M. F. Slattery and H. McAlonie. 1,462,250; July 17.
- Protective device. W. T. Booth. 1,462,026; July 17.
- Puller: See—
- Gear puller.
- Pump, compressor, and motor. J. Baudot. 1,461,998; July 17.
- Pump, Force. M. W. Tutt. 1,462,308; July 17.
- Pump piston. T. W. Delaney. 1,462,445; July 17.
- Pump, Pneumatic. J. L. Wray. 1,462,222; July 17.
- Pumping system. B. S. Aikman. 1,462,159; July 17.
- Racing device. E. F. Panario and W. B. Cross. 1,462,242; July 17.
- Rack: See—
- Magazine rack. Tire-rim rack.
- Rail anchor. L. J. Berkeley. 1,462,162; July 17.
- Rail anchor. H. G. Warr. 1,462,157; July 17.
- Rail, Guard. A. Johnson. 1,462,344; July 17.
- Rail, joint and safety device, Track. A. L. Lauby. 1,462,290; July 17.
- Railway crossing. J. P. Houk. 1,462,408; July 17.
- Railway crossings, Safety signal for. C. E. Fry. 1,461,896; July 17.
- Railway rolling stock, Safety apparatus for. H. S. Votaw. 1,462,254; July 17.
- Railway switches, Safety appliance for. B. R. Hooks. 1,462,040; July 17.
- Razor-blade holder. E. M. Moylan. 1,462,210; July 17.
- Reclining chair, Adjustable. F. P. Hall. 1,462,005; July 17.
- Reel: See—
- Film reel.
- Reel. L. Johnson. 1,462,411; July 17.
- Refrigerated display apparatus. G. Hilger. 1,462,285; July 17.
- Refrigerator. F. T. Lynch. 1,462,206; July 17.
- Refrigerators, Ice box for. E. Woerth. 1,462,436; July 17.
- Registers, Carry mechanism for. E. F. Britten, jr. 1,462,058; July 17.
- Regulator: See—
- Dividing-board regulator. Traffic regulator.
- Retort, Oil-shale. W. M. Strong. 1,462,023; July 17.
- Rifle. E. F. L. Fritz. 1,462,169; July 17.
- Rim. E. O. Stebber. 1,462,426; July 17.
- Ring: See—
- Piston ring.
- Riveters, Tool for pneumatic. J. Mason. 1,462,293; July 17.
- Rock, Machine for removing and crushing. P. H. Wiertz. 1,462,096; July 17.
- Roller: See—
- Hand roller. Shade roller.
- Rolling mills, Manipulator for. D. F. Nisbet. 1,462,454; July 17.
- Rope, Jump. G. C. La'Sares. 1,462,088; July 17.
- Routing mechanism. E. A. Laughlin. 1,462,234; July 17.
- Rubber boot. A. A. Glidden. Des. 62,671; July 17.
- Rule, Slide. W. B. Eaton and T. D. LaMay. 1,461,975; July 17.
- Running-board apron guards. S. L. Hoopes and A. A. Gietzelt. 1,461,903; July 17.
- Sand-blast apparatus. E. J. and R. H. Moore. 1,462,295-6; July 17.
- Sash fastener. J. Kaltenbach. 1,462,345; July 17.
- Saw, Cut-off. T. L. La Malta. 1,461,919; July 17.
- Saw jointer. F. A. Rappleye. 1,461,763; July 17.
- Saw-tooth dresser, jointer, and gauge. M. Dallenbach. 1,462,325; July 17.
- Scaffold. J. L. Baldwin. 1,462,439; July 17.
- Scale, Pendulous automatic weighing. W. Timson. 1,461,741; July 17.
- Scale printing device, Dial. M. A. Sweet and G. W. Britton. 1,461,949; July 17.
- Scoop. C. C. De Jong. 1,462,328; July 17.
- Scoops or scrapers, Attachment for wheeled. C. W. Jerry. 1,461,775; July 17.
- Screening device. B. B. Carlton and C. J. Burkley. 1,462,469; July 17.
- Screw, Propeller. J. Sametz. 1,462,424; July 17.
- Screw propeller. R. Wagner. 1,461,841; July 17.
- Seat back. W. G. Fuller. 1,461,772; July 17.
- Semaphore signal system, Automatic. R. L. Rockwell and E. G. Howe. 1,462,248; July 17.
- Separator: See—
- Centrifugal separator. Magnetic separator.
- Corn separator.
- Separator. M. M. Newton. 1,462,121; July 17.
- Sequence switch. F. M. Slough. 1,462,251; July 17.
- Sewing-machine cabinet and seat. M. H. Ennis. 1,462,271; July 17.
- Shade roller, Metal tubular. W. F. D. Greninger. 1,462,171; July 17.
- Shafts, Universal joint for. H. C. Grant. 1,462,276; July 17.
- Sharpener, Knife. A. Bohlin. 1,462,080; July 17.
- Sheet-metal cutting off machine. K. W. Hallden. 1,461,898-9; July 17.
- Sheet-trimming machine. C. A. Frahm. 1,461,796; July 17.
- Shield. A. C. Sanders. 1,462,127; July 17.
- Shingle construction, Enamel. P. Percsenyi. 1,462,212; July 17.
- Shingle, Convertible valley and hip composition. F. Basel. 1,461,886; July 17.
- Shingles, Machine for making fiber. S. M. Langston. 1,462,138; July 17.
- Ships, Driving arrangement for. A. T. Kasley. 1,461,852; July 17.
- Shock absorber. R. Arrowsmith. 1,461,959; July 17.
- Shock absorber. V. Krefl. 1,461,915; July 17.
- Shoe. H. B. Bohr. 1,461,793; July 17.
- Shoe mechanism, Train-control. A. G. Shaver. 1,462,073; July 17.
- Shoe or boot. E. H. Wiel. 1,462,095; July 17.
- Shoe uppers, Device for inserting laces under. A. J. Smiley. 1,461,834; July 17.
- Sickle hanger. C. Benson. 1,462,001; July 17.
- Sign. A. P. Trucksess. 1,462,156; July 17.
- Sign, Illuminated display. W. J. Michelsen. 1,462,351; July 17.
- Signal: See—
- Traffic signal.
- Signal device, Noninterfering. L. Degen. 1,462,085; July 17.
- Singletree construction. L. Jeannotte. 1,461,910; July 17.
- Sink and washing device, Convertible. C. B. Foster. 1,461,979; July 17.
- Sinks, Drain board for. W. F. Muir. 1,462,178; July 17.
- Siphon apparatus. D. M. Carr. 1,462,082; July 17.
- Sirup jar. C. L. Bastian. 1,461,960; July 17.
- Skins, hides, and leather, Machine for working. G. W. Richter. 1,462,180; July 17.
- Slasher. W. A. Black. 1,462,442; July 17.
- Slicer, cutter, and nutcracker, Vegetable. P. Perhåts. 1,462,148; July 17.
- Smoke consumer. F. P. Fischer. 1,462,273; July 17.
- Soap. P. L. E. Pech. 1,462,243; July 17.
- Sodium decaborate from boron ores, Process for the production of. A. A. Kelly. 1,462,064; July 17.
- Sound reproducing machine. G. Di Falco. 1,462,269; July 17.
- Sound-reproducing machines, Tone modifier for. F. W. Cooley. 1,462,320; July 17.
- Sowing machine, Seed. T. C. Ellis, A. Jeffery, and H. Maddocks. 1,461,770; July 17.
- Spark plug. W. A. Heide. 1,461,797; July 17.
- Spectacles-display holder. A. Meng. Des. 62,674; July 17.
- Spindles, Centering means for. F. G. Smith. 1,462,215; July 17.
- Spinning top. F. L. Lindstrom. 1,462,091; July 17.
- Splint. A. M. Bennett. 1,462,000; July 17.
- Spool, Collapsible. W. A. Prentiss. 1,461,736; July 17.
- Spooling machine, Disk. G. M. Wehner. 1,461,953; July 17.
- Spotlight bracket. R. E. Williams. 1,461,955; July 17.
- Spray from liquids and commingling the same with gases, Method of and apparatus for making. N. C. Christensen. 1,462,363; July 17.
- Spreader, Doubling. A. Thoma. 1,462,154; July 17.
- Spring: See—
- Window spring.
- Spring-actuated closure. T. Croce and D. Morabito. 1,462,228; July 17.
- Spring suspension. T. I. Duffy. Re15,659; July 17.
- Spring wheel. W. J. Beisel. 1,462,441; July 17.
- Springs, Cover or gaiter for laminated vehicle. H. Ramsden. 1,461,832; July 17.
- Springs, Detachable knot or fastener for coiled. W. B. Foster. 1,461,895; July 17.
- Stamp mount and index. E. D. Gudgel and M. M. Corey. 1,462,200; July 17.
- Stand: See—
- Switch stand.
- Star namer. C. W. Compton. 1,462,323; July 17.
- Steam board. W. W. Nobienksy. 1,461,930; July 17.
- Steam boiler, Electric. W. L. Merrill and H. A. Winne. 1,462,350; July 17.
- Steam trap. J. Morehead. 1,462,144; July 17.
- Steel-wool-making machine. A. J. Roth. 1,462,181; July 17.
- Stencil making. S. Elliott. 1,461,867; July 17.

- Sterilizing container. G. M. Gross. 1,462,334; July 17.
 Stock fountain. Automatic. J. H. Artman. 1,461,744; July 17.
 Stop motion. C. H. T. Hagelstein. 1,461,876; July 17.
 Store directory, Self-service. O. Stavig. 1,462,390; July 17.
 Store-front construction. D. J. Murnane. 1,462,211; July 17.
 Stove cover. F. L. Robertson. 1,461,856; July 17.
 Stovepipe lock. T. N. Goffe. 1,461,773; July 17.
 Stump sock. N. H. Smith. 1,461,987; July 17.
 Supporting device. J. B. Rose. 1,461,938; July 17.
 Surgical instrument. E. B. Hopper. 1,462,202; July 17.
 Surgical snare. E. C. Day. 1,461,864; July 17.
 Surgical snare and universal handle. E. C. Day. 1,461,865; July 17.
 Switch: See—
 Electric switch. Sequence switch.
 Line switch.
 Switch stand. Automatic. S. Riddel. 1,461,937; July 17.
 Switching apparatus. W. M. Scott. 1,461,942; July 17.
 Switching device. E. O. Scriven. 1,462,050; July 17.
 Table: See—
 Paper-langer's table.
 Tack, Eyelet. J. P. Bryant. 1,462,262; July 17.
 Talking machine. B. E. Lane. 1,462,114; July 17.
 Talking machines, Portable casing for. R. F. R. Amor. 1,461,859; July 17.
 Tank: See—
 Automobile emergency fuel tank.
 Tank heater. H. Lockhart. 1,462,237; July 17.
 Telephone pencil holder. H. S. Holywell. 1,462,108; July 17.
 Telephone receiver, Loud-speaking. G. R. Lum. Des. 62,672; July 17.
 Telephone repeating system. M. Latour. 1,462,368; July 17.
 Telephone-signal-allotting system. J. A. Taggart. 1,462,252; July 17.
 Telephone support. J. J. Moss. 1,462,240; July 17.
 Telephone system, Automatic. M. L. Nelson. 1,461,980; July 17.
 Tennis-court marker. M. K. Murray. 1,462,145; July 17.
 Tennis post. R. R. and A. Hirst. 1,462,201; July 17.
 Theft-preventing device. J. F. White. 1,462,404-5; July 17.
 Thermostat, Radiator. A. I. Kaplon. 1,462,012; July 17.
 Thermostatic control. J. E. Harvey. 1,461,878; July 17.
 Thrashing machines, Stacker for. J. Kosán. 1,462,289; July 17.
 Threads, Apparatus for testing bolt. F. Meyer. 1,461,782; July 17.
 Ticket, Railway. P. F. Malloy. 1,461,926; July 17.
 Tightener, Siding. F. Walker. 1,461,991; July 17.
 Timer. E. Von Hambach. 1,462,309; July 17.
 Tin from impure ores, Recovering. H. H. Alexander. 1,461,957; July 17.
 Tire. A. J. Wiegand. 1,461,766; July 17.
 Tire and rim construction. C. N. McClintock. 1,462,117; July 17.
 Tire, Automobile. J. D. Comstock. Des. 62,667; July 17.
 Tire-chain tightener and lock. L. Shama. 1,462,249; July 17.
 Tire-changing jack. L. J. McKone. 1,462,040; July 17.
 Tire construction. W. G. Lerch. 1,462,453; July 17.
 Tire construction. F. B. Pfeiffer. 1,461,984; July 17.
 Tire gauge cutter. E. O. Fellroth. 1,462,198; July 17.
 Tire lock, Spare. C. R. Mennillo. 1,462,238; July 17.
 Tire machine. R. S. Trogner. 1,462,465; July 17.
 Tire pump. P. Wajdic. 1,462,432; July 17.
 Tire, Resilient. C. Schneider. 1,461,986; July 17.
 Tire-rim rack. C. H. Larson. 1,462,455; July 17.
 Tire, Spring. A. E. Bauman. 1,462,440; July 17.
 Tire tread. E. P. Weber. Des. 62,682; July 17.
 Tire valve. W. E. Copithorn. 1,462,227; July 17.
 Tire, Wheel. F. C. Miller. 1,461,928; July 17.
 Tires and the like, Manufacturing pneumatic. K. B. Kibborn and W. S. Wolfe. 1,462,452; July 17.
 Tires, Safety device for inflating pneumatic. H. H. Breeden. 1,462,081; July 17.
 Tires into transverse sections, Machine for cutting. E. O. Fellroth. 1,462,197; July 17.
 Tone arm. F. Oberst. 1,461,829; July 17.
 Tongs, Pipe-hook. L. S. Hamer. 1,462,037; July 17.
 Tool. E. G. Colson. 1,462,101; July 17.
 Tool, Electrically-heated. E. A. Wagner. 1,462,431; July 17.
 Tool or implement case. C. W. Reglein. 1,462,245; July 17.
 Tools, Flexible guard for machine. O. W. Birhanzl. 1,461,887; July 17.
 Toothbrush and dentifrice container, Combined. W. E. Little. 1,461,922; July 17.
 Toothbrush and water-glass holder, Combined. R. D. Mayo. 1,461,804; July 17.
 Toothpick and making same. G. M. Browning. 1,462,062; July 17.
 Top. A. L. Zander. 1,461,843; July 17.
 Top, Flying. L. Wolfe. 1,462,221; July 17.
 Torch burner. O. J. Groehn. 1,461,897; July 17.
 Toy. F. L. Lindstrom. 1,462,090; July 17.
 Toy. S. Penska. 1,461,932; July 17.
 Toy aeroplane. W. A. Piper and A. V. Naegele. 1,462,244; July 17.
 Toy animal. E. A. Tichler. Des. 62,677; July 17.
 Toy pistol. O. C. Madison. 1,461,778; July 17.
 Tractor. W. A. Armstrong. 1,461,997; July 17.
 Tractor. R. P. Saffold. 1,462,304; July 17.
 Tractor attachment. H. M. Greasley. 1,462,451; July 17.
 Tractor attachment. V. Ivarson. 1,462,341; July 17.
 Tractor attachment. A. R. Tilstra. 1,462,155; July 17.
 Tractor hitch. M. M. Knowles and J. N. Bates. 1,462,414; July 17.
 Tractor steering mechanism. J. G. Bolte. 1,461,965; July 17.
 Tractor wheel. W. W. Tuttle. 1,461,951; July 17.
 Tractors, Cultivator attachment for. S. I. Neher. 1,462,022; July 17.
 Trap. L. F. Hardesty. 1,462,007; July 17.
 Traffic regulator. G. C. Degner. 1,462,266; July 17.
 Traffic signal. C. F. Kellerman. 1,462,365; July 17.
 Trail stop. D. A. Gurney. 1,462,280; July 17.
 Trailer connection. E. F. Hartwick. 1,461,880; July 17.
 Trains, Air brake for. E. M. Cavanagh and R. E. McFarlane. 1,461,968; July 17.
 Train control, Track device for automatic. W. M. Beck. 1,461,792; July 17.
 Transmission bands, Adjusting mechanism for. A. Krählik. 1,461,916; July 17.
 Transmission drive. W. H. Schulze. 1,461,941; July 17.
 Transmission, Resilient. B. F. Seymour. 1,462,383; July 17.
 Trap: See—
 Steam trap.
 Trap. L. C. Accola. 1,461,743; July 17.
 Trap. N. V. Wallis. 1,462,399; July 17.
 Trap for capturing animal. A. B. Dodson. 1,462,102; July 17.
 Travel-indicating instruments, Drive connection for. W. H. Schulze. 1,461,806; July 17.
 Tray-turning machine. W. F. Schaller. 1,462,468; July 17.
 Trench defense. J. Bieneck. 1,461,963; July 17.
 Truck bodies, etc., Sheet metal construction for. A. S. Hughes. 1,461,907; July 17.
 Truck bodies, racks, etc., Sheet-metal construction for. A. S. Hughes. 1,461,906; July 17.
 Truck body. A. S. Hughes. 1,461,905; July 17.
 Trucks, Kickoff for hand. S. Kerr. 1,462,233; July 17.
 Truss, Hernal. G. A. McMillen. Re15,657; July 17.
 Tube: See—
 Collapsible tube.
 Tube-forming machine. W. Jaquiere. 1,461,848; July 17.
 Turbine construction, Water-. F. Parmentier. 1,462,070; July 17.
 Turning machines, Fixture for. W. R. Adams and H. L. Pound. 1,461,884; July 17.
 Twine-cutting device. S. Yamada. 1,462,097; July 17.
 Typewriters, Variable carriage feed mechanism for. A. S. Wheeler. 1,462,183; July 17.
 Typewriting machine. F. H. Armstrong. 1,461,718-20; July 17.
 Typewriting machine. E. L. Harmon. 1,461,731; July 17.
 Typewriting machine. O. Petermann. 1,461,734; July 17.
 Typewriting machines, Segment carrier for. F. H. Armstrong. 1,461,717; July 17.
 Typograph mechanism. C. A. Harms. 1,462,338; July 17.
 Typographical mold. H. J. Megley. 1,461,927; July 17.
 Vacuum cleaner. P. Riemann. 1,462,071; July 17.
 Vacuum cleaner. A. A. Warner. 1,461,809; July 17.
 Vacuum-cleaner, attachment. D. Tonso. 1,462,218; July 17.
 Vacuum cleaning device. M. S. Wright. 1,462,223; July 17.
 Vacuum tubes, Switching mechanism for. P. I. Wold. 1,462,057; July 17.
 Vacuum vessel, slab, partition, and other double-walled vacuum structure. A. J. Roach-Cuming. 1,462,092; July 17.
 Valve. J. T. Hostetter and F. J. Keiser. 1,462,110; July 17.
 Valve. L. F. O'Flaherty and W. L. Kirkpatrick. 1,462,147; July 17.
 Valve, Air-control. L. F. Chaney. 1,462,263; July 17.
 Valve chambers, Temporary end closure for locomotive. O. Kuhnner. 1,462,113; July 17.
 Valve device for duplex pumps. H. P. Petersen. 1,462,122; July 17.
 Valve, Expansion. R. Whitaker. 1,462,466; July 17.
 Valve for air brakes, Control. W. Hildebrand. 1,462,845; July 17.
 Valve for power reverse gears. W. F. Kiesel, jr. 1,461,854; July 17.
 Valve, Gasoline reserve. E. J. Stalder and E. Scholz. 1,462,216-17; July 17.
 Valve means, Automatic. G. H. Anderson. 1,461,885; July 17.
 Valve, Reducing. J. Rumpf. 1,461,738; July 17.
 Valve, Rotary. M. O. Anthony. 1,462,160; July 17.
 Valve-testing device. W. E. Lauster. 1,462,115; July 17.
 Valve, Self-contained blow-off. C. H. Stroud. 1,461,835; July 17.
 Valves, Means for controlling flush-tank. E. G. Hedges and W. W. Hieroy. 1,462,106; July 17.

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- Valve unloader, Plate-. F. W. Parsons. 1,462,301; July 17.
 Vanity case. B. F. Ostrowski. 1,462,376; July 17.
 Varnish, Composition for. R. S. Lloyd. 1,462,236; July 17.
 Vehicle, Coasting. W. T. Wood. 1,462,312; July 17.
 Vehicle, Motor. K. R. Peters. 1,461,735; July 17.
 Vehicle roofs, Construction of. C. F. Dennis. 1,462,329; July 17.
 Vehicle trailing device. L. Erickson. 1,462,103; July 17.
 Vehicle wheel. R. J. Burrows. 1,461,889; July 17.
 Vehicle wheel. J. G. Feil. 1,461,978; July 17.
 Vehicle wheel. A. F. Kelly. 1,461,912; July 17.
 Vehicle wheel. J. L. Stoltz. 1,462,128; July 17.
 Vehicles, Running gear for wheeled. H. E. Austin and J. C. Cook. 1,462,255; July 17.
 Vehicles, Signal device for. J. P. Brophy. 1,462,319; July 17.
 Vehicles, Speed-control mechanism for. H. V. Rudolph. 1,462,357-8; July 17.
 Vehicles, Support for spring. E. G. Deucher. 1,461,894; July 17.
 Vending machine. P. J. Hegnes. 1,462,283; July 17.
 Vending machine, Coin-controlled. H. Giles. 1,462,199; July 17.
 Ventilator. T. A. Jenkins. 1,462,343; July 17.
 Voltage indicator, Maximum. M. Sultzer. 1,461,790; July 17.
 Wall board, Machine for the manufacture of. S. Cooper. 1,461,724; July 17.
 Wash machine. W. Jepson. 1,462,286; July 17.
 Washing machine. R. L. Kincaid. 1,461,914; July 17.
 Waste basket. M. H. Connor. Des. 62,668; July 17.
 Watch case. M. Spiro. 1,462,076; July 17.
 Water-closets and the like, Disinfectant attachment for the flushing arrangements of. R. V. Farnham. 1,462,033; July 17.
 Waterproofing composition. A. Schmidt. 1,462,381; July 17.
 Wave motor. C. E. Boone. 1,461,747; July 17.
- Waxer and polisher, Floor. J. G. Brooks. 1,461,723; July 17.
 Wells and oil-bearing strata, Process and apparatus for extracting hydrocarbons from oil. W. J. Knox. 1,462,288; July 17.
 Wells, Iron spool for wire cables of oil. E. F. Smith. 1,462,388; July 17.
 Wheel: See—
 Disk wheel. Tractor wheel.
 Spring wheel. Vehicle wheel.
 Wheel. R. J. Burrows. 1,461,888; July 17.
 Wheels, Fixed-rim construction for disk. L. B. Harvey. 1,462,282; July 17.
 Whip holder. H. Wilkinson. 1,461,993; July 17.
 Whirligig. L. V. Aronson. 1,462,317; July 17.
 Whistle. H. G. Balthasar. 1,462,161; July 17.
 Window-cleaning device. P. Sporer. 1,461,947; July 17.
 Window construction. R. S. Drummond. 1,461,818; July 17.
 Window, especially for railway, tramway, and other vehicles. A. Mollenkopf. 1,462,239; July 17.
 Window spring. O. A. Lawrence. 1,462,235; July 17.
 Wire, Apparatus for spooling. J. M. Leidecker and J. G. Burch. 1,462,014; July 17.
 Wire-cloth-display roll rack. C. M. McCarthy. 1,462,349; July 17.
 Wire-covering machine. W. E. Cook. 1,461,816-17; July 17.
 Wire stretcher and hoist, Combination woven-. I. Hutcherson. 1,462,011; July 17.
 Wireless telegraphy, Transmitting and receiving apparatus for. G. H. Clark. 1,461,754; July 17.
 Work support. J. H. Pope. 1,461,785; July 17.
 Wrench: See—
 Adjustable wrench. Pipe clamp and wrench.
 Wrench. T. M. Renick. 1,462,246; July 17.
 Wrench. C. J. Witzel. 1,461,810; July 17.
 Yarn, Device for guiding, clearing, and tensioning. J. O. McKean. 1,462,292; July 17.
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CLASSIFICATION OF PATENTS

ISSUED JULY 17, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 3: 1,461,827	39— 18: 1,461,901	72— 38: 1,461,851	102— 39: 1,462,173	134— 15: 1,462,381	171— 223: 1,462,226
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127: 1,461,929	68: 1,462,436	16: 1,461,761	114: 1,461,943	1,462,464	1,461,876
131. 5: 1,461,973	170: 1,462,121	43: 1,461,723	176: 1,462,393	29: 1,462,079	27: 1,462,246
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87. 1: 1,462,447	100: 1,462,384	49: 1,462,327	4: 1,461,865	63: 1,462,072	1,462,247
160. 6: 1,461,728	102: 1,462,276	161: 1,462,167	324: 1,461,873	76: 1,462,072	197— 72: 1,461,718
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Abel-Jensen Laboratories, Chicago, Ill. Alkaline salts. 170,815; July 24; Serial No. 171,884; published Apr. 24, 1923.
- Accas Brothers, New York, N. Y. Wheat flour. 170,936; July 24; Serial No. 169,470; published Feb. 27, 1923.
- Accas Brothers, New York, N. Y. Wheat flour. 170,964; July 24.
- Adams, Harry E., Haverhill, Mass. Women's sandals of leather and textile material. 170,762-5; July 24; Serial Nos. 176,705-8; published Apr. 24, 1923.
- Adler, Elias J., Brooklyn, N. Y. Crackers. 170,903; July 24; Serial No. 156,345; published Mar. 27, 1923.
- Agra Company, Detroit, Mich. Perfumes. 170,783; July 24; Serial No. 174,762; published Apr. 24, 1923.
- Algin Company, Limited, The, Penzance, England. Foods for cattle, horses, sheep, pigs, and poultry. 170,854; July 24; Serial No. 163,661; published Mar. 20, 1923.
- Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 170,822; July 24; Serial No. 170,113; published Mar. 20, 1923.
- Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 170,834; July 24; Serial No. 170,110; published Mar. 20, 1923.
- American Marine Paint Company, Inc., New York, N. Y. Paints. 170,784; July 24; Serial No. 174,987; published Apr. 24, 1923.
- American Milling Company, Peoria, Ill. Dairy feed. 170,851; July 24; Serial No. 163,848; published Apr. 3, 1923.
- American Radiator Company, East Orange, N. J., and Chicago, Ill. Combined boiler and heater. 170,704; July 24; Serial No. 154,073; published Apr. 24, 1923.
- Associated Exhibitors Inc., Dover, Del., and New York, N. Y. Motion pictures. 170,776; July 24; Serial No. 175,759; published Apr. 24, 1923.
- Auerbach, D., and Sons, New York, N. Y. Candies. 170,747; July 24; Serial No. 173,737; published Apr. 24, 1923.
- Baalmann, John, San Francisco, Calif. Gas tablets for relieving gas from the stomach and bowels, etc. 170,830; July 24; Serial No. 169,996; published Apr. 24, 1923.
- Ballard & Ballard Co., Louisville, Ky. Self-rising wheat flour. 170,705; July 24; Serial No. 154,075; published Mar. 20, 1923.
- Ballard & Ballard Company, Louisville, Ky. Self-rising flour. 170,882; July 24; Serial No. 157,295; published Mar. 20, 1923.
- Ballard & Ballard Company, Louisville, Ky. Self-rising wheat flour. 170,883; July 24; Serial No. 159,080; published Mar. 20, 1923.
- Ballard & Ballard Company, Louisville, Ky. Prepared wheat flour. 170,884; July 24; Serial No. 159,079; published Mar. 20, 1923.
- Balsamea Co., The, San Francisco, Calif. Medicinal preparation recommended for the treatment of affections of the throat, etc. 170,724; July 24; Serial No. 172,661; published Apr. 24, 1923.
- Barnard, William E., doing business as Web Sterilizer Co., New York, N. Y. Toothbrush sterilizers. 170,887; July 24; Serial No. 160,747; published Apr. 24, 1923.
- Battle Creek Food Company, The, Battle Creek, Mich. Prepared nut food. 170,860; July 24; Serial No. 168,509; published Mar. 27, 1923.
- Baumert, F. X., & Co., Inc., New York, N. Y. Cheese. 170,827; July 24; Serial No. 169,746; published Feb. 27, 1923.
- Beatrice Creamery Company, Chicago, Ill., and Topeka, Kans. Butter. 170,956; July 24.
- Becker, August J., doing business as Becker's Bakery, Red Wing, Minn. Bread and doughnuts. 170,837; July 24; Serial No. 161,022; published Mar. 27, 1923.
- Becker's Bakery. (See Becker, August J.)
- Beech-Nut Packing Company, Canajoharie, N. Y. Bacon. 170,929; July 24; Serial No. 162,798; published Apr. 24, 1923.
- Benjamin & Johnes, Newark, N. J. Brassières. 170,826; July 24; Serial No. 170,861; published Apr. 24, 1923.
- Berry Brothers, Detroit, Mich. Varnishes. 170,770; July 24; Serial No. 177,647; published Apr. 24, 1923.
- Bixler Baking Company, The, Youngstown, Ohio. Bread. 170,934; July 24; Serial No. 169,615; published Feb. 27, 1923.
- Black, J. S., Kansas City, Mo. Wheat flour. 170,812; July 24; Serial No. 169,048; published Mar. 27, 1923.
- Boonville Mills Company, Boonville, Mo. Wheat flour, corn meal, and Graham flour. 170,845; July 24; Serial No. 162,912; published Mar. 20, 1923.
- Borden Company, The, New York, N. Y. Caramels. 170,987; July 24.
- Bowman Bros. Seed Co., Concordia, Kans. Hen food, egg mash, chick food, and chick mash. 170,835; July 24; Serial No. 162,658; published Mar. 20, 1923.
- Boyd, John S., Company Inc., Williamstown, Mass. Cotton pile cloth in the piece. 170,878; July 24; Serial No. 157,827; published May 1, 1923.
- Bramberger Reinthal Company, The, Cleveland, Ohio. Caps. 170,722; July 24; Serial No. 173,459; published June 5, 1923.
- Bromley, John, & Sons, Incorporated, Philadelphia, Pa. Lace curtains and nets or curtain lace in piece goods. 170,975; July 24.
- Burpee, W. Atlee, Co., Philadelphia, Pa. Flower seeds. 170,785; July 24; Serial No. 175,066; published Apr. 24, 1923.
- Burpee, W. Atlee Co., Philadelphia, Pa. Vegetable, flower, and lawn grass seeds and bulbs. 170,786; July 24; Serial No. 175,067; published Apr. 24, 1923.
- Bush, W. J., & Co., Inc., New York, N. Y. Toilet water. 170,718-9; July 24; Serial Nos. 173,170-1; published Apr. 24, 1923.
- Butler, James, Grocery Company, New York, N. Y. Birds' food. 170,843; July 24; Serial No. 163,430; published Apr. 3, 1923.
- Cable-Nelson Piano Company, Chicago, Ill. Pianos and player pianos. 170,960; July 24.
- Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 170,757; July 24; Serial No. 176,071; published Apr. 24, 1923.
- Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 170,771; July 24; Serial No. 176,070; published Apr. 24, 1923.
- Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 170,778; July 24; Serial No. 176,067; published Apr. 24, 1923.
- Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 170,779; July 24; Serial No. 176,069; published Apr. 24, 1923.
- Caladaro Products Company, Atascadero, Calif. Dehydrated apricot jam, peach jam, vegetable soups, etc. 170,848; July 24; Serial No. 164,695; published Mar. 27, 1923.
- Calhoun, Robbins & Co., New York, N. Y. Hose supporters, garters, belts, etc. 170,729; July 24; Serial No. 172,201; published Apr. 24, 1923.
- California Growers Association, Inc., Los Angeles, Calif. Canned fruits and vegetables, olives, olive-oil. 170,900; July 24; Serial No. 148,579; published Nov. 29, 1921.
- Cape Cod United Products Co., Inc., Hyannis, Mass. Artificial pearls. 170,961; July 24.
- Carolina Creamery Co., Asheville, N. C. Ice cream and butter. 170,710; July 24; Serial No. 149,504; published Mar. 20, 1923.
- Castle Company, Lyons, N. Y. Canned sauerkraut. 170,823; July 24; Serial No. 170,273; published May 8, 1923.
- Century Biscuit Co., Indianapolis, Ind. Wafers and crackers. 170,918; July 24; Serial No. 166,350; published Mar. 20, 1923.
- City Dairy and Ice Cream Co., St. Joseph, Mo. Ice cream. 170,846; July 24; Serial No. 165,229; published Mar. 20, 1923.
- C-O-D Cereal Co. (See Gillitt, Fred. C.)
- Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 170,788; July 24; Serial No. 175,302; published Apr. 24, 1923.
- Colorado Milling & Elevator Co., The Denver, also doing business as The Ft. Collins Flour Mills, Fort Collins, Colo. Wheat flour. 170,844; July 24; Serial No. 163,258; published Mar. 27, 1923.
- Condit Electrical Mfg. Co., Boston, Mass. Air circuit breakers, switches, coils, etc. 170,955; July 24.
- Consolvo Manufacturing Company, Inc., South Norfolk, Va. Chemical used as a flux for the preparation of an antirusting soldering solution. 170,725; July 24; Serial No. 172,664; published Apr. 24, 1923.
- Coulson, Chas. H., doing business as Coulson Heel Company, Hanover, Pa. Shoe heels. 170,731; July 24; Serial No. 172,262; published Apr. 24, 1923.
- Craddock Terry Company, Lynchburg, Va. Women's shoes. 170,728; July 24; Serial No. 171,906; published Apr. 24, 1923.
- Cushman's Sons, Inc., New York, N. Y. Cakes. 170,896; July 24; Serial No. 171,415; published Mar. 13, 1923.
- Cyganiewicz, John, Chicago, Ill. Ladies' hand bags and pocketbooks. 170,787; July 24; Serial No. 175,071; published Apr. 24, 1923.
- Davis, William A., doing business as Wm. A. Davis Co., Temple, Tex. Frozen fruits and ice cream. 170,861; July 24; Serial No. 167,767; published Apr. 24, 1923.
- Dawson-Edwards Company, Rocky Ford, Colo. Cantaloupes. 170,893; July 24; Serial No. 160,876; published Apr. 24, 1923.
- Deavy, Thomas R., doing business as Vesper Pharmacal Co., Tacony, Philadelphia, Pa. Liquid medicine for indigestion, vertigo, etc. 170,919; July 24; Serial No. 165,855; published Apr. 24, 1923.

- De Brule, August G., doing business as Porcupine Medicine Co., Blewett and Spokane, Wash. Compound for treating rheumatism and diseases of the blood. 170,741; July 24; Serial No. 174,295; published Apr. 24, 1923.
- Defiance Pressed Steel Company, The, Defiance, Ohio. Bottle containers or cases. 170,775; July 24; Serial No. 175,714; published Apr. 24, 1923.
- Detroit Insulated Wire Company, Detroit, Mich. Insulated wire. 170,969; July 24.
- Dwinell-Wright Company, Boston, Mass. Coffee. 170,707; July 24; Serial No. 154,793; published May 1, 1923.
- Edith Frances. (See Gallagher, James T.)
- Elite Confectionery Co., El Paso, Tex. Frozen confections. 170,868; July 24; Serial No. 166,664; published Jan. 16, 1923.
- Elite Confectionery Co., El Paso, Tex. Frozen confections. 170,869; July 24; Serial No. 166,663; published Jan. 23, 1923.
- Elk Mountain Orchard Co., Asheville, N. C. Fresh apples. 170,917; July 24; Serial No. 166,356; published Apr. 24, 1923.
- Elliott, J. S., Coffee Company, Newville, Pa. Coffee. 170,886; July 24; Serial No. 159,746; published May 8, 1923.
- Ely & Walker Dry Goods Company, St. Louis, Mo. Sheets and pillowcases. 170,702; July 24; Serial No. 150,141; published Nov. 8, 1921.
- Empire Food Products Company, New York, N. Y. Powdered milk and a powder containing cocoa, sugar, and skimmed milk. 170,909; July 24; Serial No. 151,358; published Apr. 3, 1923.
- Erlanger, N., Blumgart & Co., Inc., New York, N. Y. Cotton yarns. 170,970; July 24.
- Evans, Emory J., Kenova, W. Va. Medicine and ingredients of medicine used for tuberculosis, bronchial trouble, etc. 170,732; July 24; Serial No. 172,324; published Apr. 24, 1923.
- Everett, Heaney & Co. Inc., New York, N. Y. Printed shirtings and percales. 170,952; July 24; Serial No. 166,823; published Apr. 24, 1923.
- Everett, Heaney & Co. Inc., New York, N. Y. Printed shirtings and percales. 170,953; July 24; Serial No. 166,820; published Apr. 24, 1923.
- Fabrique-de Soie Artificielle de Tubize, Societe Anonyme, Brussels, Belgium. Artificial-silk threads and yarns. 170,908; July 24; Serial No. 154,406; published Feb. 20, 1923.
- Fairchild Milling Company, The, Cleveland, Ohio. Flour and corn meal. 170,972; July 24.
- Favorite Cereals Company, Minneapolis, Minn. Corn flakes. 170,832; July 24; Serial No. 170,058; published Feb. 27, 1923.
- Fellner, Louis B., Belleville, Ill. Bread. 170,804; July 24; Serial No. 169,579; published Apr. 3, 1923.
- Filice & Perrelli Canning Co., Gilroy, Calif. Canned fruits and vegetables. 170,963; July 24.
- Fink, William B., Detroit, Mich. Breakfast cereal. 170,796; July 24; Serial No. 169,968; published Feb. 27, 1923.
- Forstner Chain Corporation, Irvington, N. J. Chains for personal adornment made of or plated with precious metal. 170,715; July 24; Serial No. 139,118; published Apr. 24, 1923.
- Foster, Clyde C., doing business as The Nuway Company, Decatur, Ill. Flavoring extracts for food of all kinds. 170,945; July 24; Serial No. 168,027; published Mar. 20, 1923.
- Ft. Collins Flour Mills, The. (See Colorado Milling & Elevator Company.)
- Gallagher, James T., doing business as Edith Frances, Miami, Fla. Deodorant. 170,740; July 24; Serial No. 174,239; published Apr. 24, 1923.
- General Bakelite Company, Perth Amboy, N. J. Pipes and pipe parts. 170,772; July 24; Serial No. 175,601; published Apr. 24, 1923.
- Gillitt, Fred C., doing business as C-O-D Cereal Co., St. Paul, Minn. Breakfast cereals. 170,876; July 24; Serial No. 158,309; published Mar. 20, 1923.
- Glembly's, S., Sons Co., Inc., New York, N. Y. Powder puffs. 170,973; July 24.
- Glistridis, Frosso & Co., New York, N. Y. Candles. 170,766; July 24; Serial No. 177,183; published Apr. 24, 1923.
- Gordon, Gordon, Chicago, Ill. Rouges and lip sticks. 170,991; July 24.
- Gottschalk, Steinberg & Co. Inc., New York, N. Y. Veils. 170,890; July 24; Serial No. 160,286; published Sept. 5, 1922.
- Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Furniture polish. 170,760; July 24; Serial No. 176,405; published Apr. 24, 1923.
- Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Chocolates. 170,754; July 24; Serial No. 173,417; published Apr. 24, 1923.
- Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 170,824; July 24; Serial No. 170,380; published Apr. 24, 1923.
- Griffith-Durney Co., San Francisco, Calif. Canned fruits and vegetables. 170,831; July 24; Serial No. 170,016; published May 8, 1923.
- Hale, Alfred, Rubber Company, Quincy, Mass. Boots, shoes, and slippers made wholly or in part of leather, canvas, rubber, etc. 170,716; July 24; Serial No. 173,314; published Apr. 24, 1923.
- Hanson Milling Company, Ashland, Wis. Wheat flour. 170,839; July 24; Serial No. 161,881; published Apr. 3, 1923.
- Harlinger Baking Co., Albany, N. Y. Bread. 170,957; July 24.
- Heinze, Augustus P., doing business as Motor Kool Co., Detroit, Mich. Preparation to clean and remove scale and foreign accumulations from the interior of automobile radiators and cooling systems. 170,713; July 24; Serial No. 138,168; published Apr. 24, 1923.
- Heller, B., & Company, Chicago, Ill. Body-vermin exterminator and insecticide. 170,986; July 24.
- Heller, B., & Company, Chicago, Ill. Barrels, drums, boxes, cases, cartons, packages, and containers. 170,992; July 24.
- Herrick, William W., Saratoga Springs, N. Y. Cathartic tablets, dyspepsia and indigestion tablets, antiseptic preparations. 170,739; July 24; Serial No. 174,206; published Apr. 24, 1923.
- Higgins-Babcock-Hurd Company, The, Cleveland, Ohio. Salad dressing, vinegar, canned fruits and vegetables, etc. 170,847; July 24; Serial No. 165,134; published Mar. 27, 1923.
- Hill-Hubbell and Company, San Francisco, Calif. Anticorrosive protective and waterproof paint coatings, bituminous paints, marine paint, etc. 170,881; July 24; Serial No. 157,426; published Mar. 20, 1923.
- Hirsch Brothers Co., Chicago, Ill. Cake mix. 170,899; July 24; Serial No. 171,081; published Mar. 13, 1923.
- Hirz Bros., Paterson, N. J. Cake. 170,966; July 24.
- H-O Cereal Company, Inc., The, Buffalo, N. Y. Flour made from wheat, corn, rice, etc., and breakfast cereals. 170,697; July 24; Serial No. 155,560; published Mar. 20, 1923.
- H-O Cereal Company, Inc., The, Buffalo, N. Y. Poultry feeds. 170,855; July 24; Serial No. 168,968; published Mar. 20, 1923.
- Hodge, E. D., Tool and Manufacturing Company, Watertown, N. Y. Timers for Ford cars and tractors. 170,962; July 24.
- Hoffman, F. A., Co., The, Cleveland, Ohio. Dairy products—namely, butter, evaporated milk, eggs, etc. 170,852; July 24; Serial No. 163,798; published Mar. 27, 1923.
- Hoffmann, William, Chicago, Ill. Tonic and food for feathered pets. 170,898; July 24; Serial No. 171,217; published Mar. 13, 1923.
- Hofstra Manufacturing Company, Tulsa, Okla. Insecticides. 170,980; July 24.
- Holland Food Corporation, New York, N. Y. Cheese. 170,862; July 24; Serial No. 167,617; published Mar. 20, 1923.
- Hom-Pyrrho Co., San Francisco, Calif. Mouth wash and a remedy for pyorrhea. 170,744; July 24; Serial No. 174,626; published Apr. 24, 1923.
- Hood, H. P., & Sons, Inc., Boston, Mass. Butter, dried beans, bread, buttermilk, etc. 170,911; July 24; Serial No. 146,216; published Apr. 3, 1923.
- Hood Rubber Company, Watertown, Mass. Rubber boots and shoes, rubber overshoes, and rubber-soled canvas shoes. 170,759; July 24; Serial No. 176,344; published Apr. 24, 1923.
- Hughes, Henry L., Co., Inc., New York, N. Y. Nail polish. 170,755; July 24; Serial No. 173,497; published Apr. 24, 1923.
- Hunter Manufacturing & Commission Co., New York, N. Y. Cotton piece goods. 170,789; July 24; Serial No. 175,314; published Apr. 24, 1923.
- Hurley Shoe Co., Rockland, Mass. Shoes. 170,940; July 24; Serial No. 168,844; published Apr. 24, 1923.
- Huss, Anna, Menlo Park, Calif. Cheese. 170,850; July 24; Serial No. 163,873; published Mar. 20, 1923.
- Hutt & Wasserman, Inc., New York, N. Y. Men's hats. 170,726; July 24; Serial No. 172,837; published Apr. 24, 1923.
- Hyde, Geo. E., & Co. Inc., Campbell, Calif. Canned fruits. 170,943; July 24; Serial No. 168,413; published Apr. 24, 1923.
- International Dry Milk Co., Minneapolis, Minn. Powdered milk. 170,698-700; July 24; Serial Nos. 155,689-91; published Apr. 24, 1923.
- Iola Creamery Company, Iola, Kans. Butter. 170,809; July 24; Serial No. 171,759; published Mar. 13, 1923.
- Iowa Fiber Box Company, Keokuk, Iowa. Fiber boxes. 170,761; July 24; Serial No. 176,475; published Apr. 10, 1923.
- Iowa Soap Company, Burlington, Iowa. Toilet soap. 170,994-5; July 24.
- Irvins', J. S., Son, Inc., Philadelphia, Pa. Biscuits. 170,976; July 24.
- J. J. Company, The. (See Jenen, Joseph.)
- Jenen, Joseph, doing business as The J. J. Company, Chicago, Ill. Polish for varnished, enameled, and lacquered surfaces. 170,738; July 24; Serial No. 174,142; published Apr. 24, 1923.
- Jones, V. K. & A. H., & Thomas Co., Lynn, Mass. Boots and shoes. 170,737; July 24; Serial No. 173,357; published Apr. 24, 1923.
- K L M. Company, New York, N. Y. Diluted Epsom salts for use in the bath. 170,984; July 24.
- Kalt, Joseph, jr., Milwaukee, Wis. Pies. 170,947; July 24; Serial No. 167,918; published Mar. 20, 1923.

- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. Cereal breakfast food. 170,696 July 24; Serial No. 156,905; published Mar. 20, 1923.
- Kent-Costikyan Trading Company Inc., New York, N. Y. Textile rugs. 170,774; July 24; Serial No. 175,661; published Apr. 24, 1923.
- Kevil Cereal Company, Princeton, Ky. Cereals made from wheat bran, honey, and salt. 170,803; July 24; Serial No. 169,550; published Feb. 27, 1923.
- Kilzod Products Company, The, New York, N. Y. Insecticides, disinfectants, and deodorizers. 170,818; July 24; Serial No. 171,274; published Apr. 24, 1923.
- Kim, Yamei, New York, N. Y. Cured meat from the soy. 170,712; July 24; Serial No. 131,177; published Apr. 24, 1923.
- King Player Action Company, Inc., New York, N. Y. Piano-player actions. 170,734; July 24; Serial No. 172,420; published Apr. 24, 1923.
- Knox Hat Company, Inc., New York, N. Y. Hats for men, women, and children. 170,820; July 24; Serial No. 171,806; published Apr. 24, 1923.
- Kops Bros., New York, N. Y. Corsets, brassières, corset covers, waists, and underwear for women. 170,946; July 24; Serial No. 167,987; published Apr. 24, 1923.
- Kozol Laboratories. (See McCoham, Francis L.)
- Krank, A. J., Mfg. Co., St. Paul, Minn. Vanishing and massage cream. 170,745; July 24; Serial No. 173,500; published Apr. 24, 1923.
- Krank, Alfred J., St. Paul, Minn. Hair tonic and fixative. 170,720; July 24; Serial No. 173,193; published Apr. 24, 1923.
- Laboratoire Nativelle, Paris, France. Medicines for the treatment of affections of the heart. 170,954; July 24.
- Laidlaw, James H., doing business as Marvel-o Manufacturing Co., San Diego, Calif. Polishing compound for automobile bodies. 170,711; July 24; Serial No. 149,592; published Apr. 24, 1923.
- Lance Packing Co., Charlotte, N. C. Candy, peanut butter, peanut-butter sandwich, shelled and salted peanuts, marshmallows, etc. 170,701; July 24; Serial No. 156,644; published Mar. 20, 1923.
- Larabee Flour Mills Corporation, The, Hutchinson, Kans., and Kansas City, Mo. Wheat flour. 170,807; July 24; Serial No. 171,502; published Mar. 13, 1923.
- Larabee Flour Mills Corporation, The, Hutchinson, Kans., and Kansas City, Mo. Wheat flour. 170,841; July 24; Serial No. 162,426; published Mar. 20, 1923.
- Larabee Flour Mills Corporation, Hutchinson, Kans., and Kansas City, Mo. Wheat flour. 170,931-2; July 24; Serial Nos. 162,427-8; published Mar. 20, 1923.
- Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. 170,791; July 24; Serial No. 170,774; published Mar. 13, 1923.
- London Shoe Co., Inc., New York, N. Y. Fabric and leather shoes. 170,717; July 24; Serial No. 172,948; published Apr. 24, 1923.
- Louisville Milling Company, Louisville, Ky. Wheat flour. 170,916; July 24; Serial No. 166,695; published Mar. 20, 1923.
- Ludlow Manufacturing Associates, Boston, Mass. Jute bagging. 170,581; July 24.
- Lyndon Chemical Company, The, Dayton, Ohio. Ointment for aches, pains, burns, etc. 170,749-50; July 24; Serial Nos. 174,088-9; published Apr. 24, 1923.
- McCollam, Francis L., doing business as Kozol Laboratories, New York, N. Y. Medical compounds for the relief of pain and the reduction of temperature. 170,735; July 24; Serial No. 172,426; published Apr. 24, 1923.
- McKay Company, New York, N. Y. Chemical compound for etching glass. 170,751; July 24; Serial No. 174,091; published Apr. 24, 1923.
- McKay-Manning, Incorporated, New York, N. Y. Cooked, uncooked, fresh, canned, compressed, dried, evaporated, frozen, preserved, sweetened, and unsweetened foods and food products. 170,914; July 24; Serial No. 166,783; published Mar. 20, 1923.
- Macleay Estate Co., The, Portland, Oreg. Cheese. 170,856; July 24; Serial No. 168,772; published Mar. 20, 1923.
- Mailliard & Schmiedell, San Francisco, Calif. Olive oil. 170,872; July 24; Serial No. 165,801; published Apr. 24, 1923.
- Mailliard & Schmiedell, San Francisco, Calif. Olive oil. 170,922; July 24; Serial No. 165,802; published Apr. 24, 1923.
- Maple Grove Candies, Inc., St. Johnsbury, Vt. Maple cream, sirup, sugar, and honey, sauce for ice cream. 170,706; July 24; Serial No. 154,522; published Apr. 17, 1923.
- Markman, Simon, New York, N. Y. Clay and paste for the complexion. 170,927; July 24; Serial No. 162,941; published Apr. 24, 1923.
- Martorelli, Raffaele, New York, N. Y. Olive oil. 170,703; July 24; Serial No. 152,269; published May 9, 1922.
- Marvel-o Manufacturing Company. (See Laidlaw, James H.)
- Meerse, Jacob, doing business as Union Brush Co., Cincinnati, Ohio. Brushes, mops, dusters. 170,983; July 24.
- Meier, John, Shoe Company, St. Louis, Mo. Leather shoes. 170,875; July 24; Serial No. 158,722; published Apr. 24, 1923.
- Menihan Company, The, Rochester, N. Y. Leather shoes. 170,874; July 24; Serial No. 158,787; published Apr. 24, 1923.
- Menihan Company, The, Rochester, N. Y. Leather shoes. 170,885; July 24; Serial Nos. 158,788; published Apr. 24, 1923.
- Merton, Charles S., & Co., East Rutherford, N. J. Men's and boys' hats and caps. 170,748; July 24; Serial No. 173,778; published Apr. 24, 1923.
- Meyer Bros., Dalcour, La. Fresh vegetables. 170,924; July 24; Serial No. 164,334; published Apr. 24, 1923.
- Midland Flour Milling Co., The, Kansas City, Mo. Mixed grade of mill feed. 170,814; July 24; Serial No. 169,369; published Feb. 27, 1923.
- Miller-McConnel Grain Co., Kansas City, Kans. Stock and poultry feed. 170,870; July 24; Serial No. 166,465; published Mar. 20, 1923.
- Milwaukee Paint & Varnish Works, Milwaukee, Wis. Varnish. 170,944; July 24; Serial No. 168,328; published Apr. 24, 1923.
- Mitchell, Fredrick G., doing business as L. Mitchell & Company, Chicago, Ill. Bluing paddles. 170,756; July 24; Serial No. 173,334; published Apr. 24, 1923.
- Modern Flour Mills, Macon, Ga. Wheat flour. 170,935; July 24; Serial No. 169,601; published Feb. 27, 1923.
- Montague, W. R., Company, The, La Crosse, Wis. Cracker products, crackers, cakes, and Dutch-style cookies. 170,797; July 24; Serial No. 170,076; published Apr. 3, 1923.
- Mooresville Co-Operative Creamery Co., Inc., The, Mooresville, N. C. Butter. 170,897; July 24; Serial No. 171,280; published Mar. 13, 1923.
- Morris & Company, Chicago, Ill. Oleomargarine. 170,798; July 24; Serial No. 170,443; published Mar. 13, 1923.
- Morrow Milling Company, Carthage, Mo. Wheat flour. 170,905; July 24; Serial No. 156,914; published Mar. 27, 1923.
- Morse, C. C., and Co., San Francisco, Calif. Bird food. 170,810; July 24; Serial No. 171,943; published Mar. 20, 1923.
- Motor Kool Co. (See Heinze, Augustus P.)
- Mutual Products Company. (See Winslow, Carmi.)
- Myers, Thomas A., doing business as Ye Olde Tyme Hard and Soft Pretzel Shop. Pretzels. 170,873; July 24; Serial No. 165,502; published Apr. 3, 1923.
- N. V. Vernis-en-Verffabriek v. h. J. Wagemakers & Zonen, Breda, Netherlands. Paints, varnishes, oils. 170,733; July 24; Serial No. 172,391; published Apr. 24, 1923.
- National Marking Machine Company, Cincinnati, Ohio. Detergent. 170,977; July 24.
- National Paper Can Company, The, Milwaukee, Wis. Paper cans. 170,767; July 24; Serial No. 177,317; published Apr. 24, 1923.
- Natoma Farm, York and Hinsdale, Ill. Milk. 170,978; July 24.
- New England Brewing Company, Jersey City, N. J., and Boston, Mass. Cane and maple-sugar sirup. 170,907; July 24; Serial No. 155,768; published June 6, 1922.
- New Process Company, Warren, Pa. Wardrobe trunks. 170,773; July 24; Serial No. 175,620; published Apr. 24, 1923.
- Niagara Alkali Company, Niagara Falls, N. Y. Flake lye. 170,829; July 24; Serial No. 169,918; published Apr. 24, 1923.
- Noblesville Milling Co., Noblesville, Ind. Wheat flour. 170,863; July 24; Serial No. 167,531; published Mar. 20, 1923.
- Noggle, S. W., doing business as The S. W. Noggle Company, Kansas City, Mo. Cake and pastry mixture. 170,805; July 24; Serial No. 169,773; published Feb. 27, 1923.
- Noggle, S. W., Company, The. (See Noggle, S. W.)
- Nowak Milling Corporation, Hammond, Ind., and Buffalo, N. Y. Horse and mule feed. 170,904; July 24; Serial No. 170,780; published Mar. 13, 1923.
- Nuway Company, The. (See Foster, Clyde C.)
- Oil and Chemical Corporation, The, Chicago, Ill. Lubricating oils and greases, automobile fuel oils, cutting oils for treating metals. 170,714; July 24; Serial No. 158,722; published Apr. 24, 1923.
- Old Dutch Mills, Inc., New York, N. Y. Cocoa, tea, and rice. 170,792; July 24; Serial No. 170,594; published Mar. 13, 1923.
- Old Homestead Bread Company, The, Denver, Colo. Bread. 170,338; July 24; Serial No. 159,978; published Apr. 3, 1923.
- Olivette Laboratories, Inc., Providence, R. I. Toilet powder. 170,781; July 24; Serial No. 174,700; published Apr. 24, 1923.
- Olson Brothers Company, Minneapolis, Minn. Polishes for furniture, automobiles, etc. 170,721; July 24; Serial No. 173,203; published Apr. 24, 1923.
- Olson Coffee Co., Omaha, Nebr. Coffee, tea, spices, flavoring extracts. 170,859; July 24; Serial No. 168,546; published Apr. 17, 1923.
- Omaha Alfalfa Milling Company, Omaha, Nebr. Stock and poultry feed. 170,942; July 24; Serial No. 168,429; published Mar. 20, 1923.
- Orchard Drug Co., Lynchburg, Va. Emulsion petroleum used in throat, lung trouble, bronchitis, bronchial catarrh, etc. 170,926-1; July 24; Serial Nos. 165,807-8; published Apr. 24, 1923.

- Owego Corset Company, Inc., Owego, N. Y. Corsets, girdles, bandeaux, and brassières. 170,727; July 24; Serial No. 172,899; published Apr. 24, 1923.
- P. R. K. Chemical Co. Inc., Frankfort, Ind. Composition for the removal of paint, varnish, and the like. 170,930; July 24; Serial No. 162,765; published Oct. 3, 1922.
- Paetsch, Henry F., Pasadena, Calif. Breakfast cereal. 170,864; July 24; Serial No. 167,486; published Mar. 20, 1923.
- Parched Wheat Co., The, Fostoria, Ohio. Breakfast cereal. 170,967; July 24.
- Parker-Bridget Company, Washington, D. C. Men's winter hats. 170,730; July 24; Serial No. 172,238; published Apr. 24, 1923.
- Perceval, C., New York, N. Y. Cheeses. 170,795; July 24; Serial No. 169,821; published Feb. 27, 1923.
- Perceval, C., New York, N. Y. Cheese and mincemeat. 170,828; July 24; Serial No. 169,820; published Feb. 27, 1923.
- Pfeffer Milling Company, Lebanon, Ill. Wheat flour. 170,833; July 24; Serial No. 170,080; published Feb. 27, 1923.
- Phillips, I. & M. (See Phillips, Manning.)
- Phillips, Manning, doing business as I. & M. Phillips, New York, N. Y. Women's shirts, trousers, and jackets. 170,880; July 24; Serial No. 157,581; published Apr. 24, 1923.
- Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints. 170,768; July 24; Serial No. 177,451; published Apr. 24, 1923.
- Porcupine Medicine Co. (See De Brule, August G.)
- Postum Cereal Company Incorporated, Battle Creek, Mich. Corn flakes. 170,853; July 24; Serial No. 163,763; published Feb. 13, 1923.
- Price, Arthur, New York, N. Y. Advertising motion-picture-projection apparatus, motion-picture-display cabinets, etc. 170,941; July 24; Serial No. 168,691; published Apr. 24, 1923.
- Ty-Et Company, Seattle, Wash. Pastries. 170,802; July 24; Serial No. 169,456; published Feb. 27, 1923.
- Reese, Edward, doing business as Standard Crystal Company, Newark, N. J. Radio detector crystals used in wireless receiving sets. 170,958; July 24.
- Reubenstone, Louis, New York, N. Y. Jewelry. 170,937; July 24; Serial No. 169,423; published Apr. 24, 1923.
- Reynolds, Charles A., doing business as C. A. Reynolds Leather Company, Camden, N. J. Goatskins, colt and horse hides, kips and cow sides. 170,743; July 24; Serial No. 174,592; published Apr. 24, 1923.
- Ridley, Lotta B., Louisville, Ky. Face powder in paste form. 170,948; July 24; Serial No. 167,327; published Apr. 24, 1923.
- Rike Folding Box Company, The, Dayton, Ohio. Paper garment bags. 170,892; July 24; Serial No. 159,882; published Apr. 24, 1923.
- Ritter Brothers, New York, N. Y. Vanity cases and ladies' hand bags. 170,769; July 24; Serial No. 177,517; published Apr. 24, 1923.
- Rock Island Register Company, Rock Island, Ill. Registers for heating purposes. 170,923; July 24; Serial No. 165,157; published Apr. 24, 1923.
- Rogers, Francis & Sons, New York, N. Y. Arch supports. 170,723; July 24; Serial No. 172,557; published Apr. 24, 1923.
- Roller, George W., Spokane, Wash. Insecticide for use in exterminating rodents and insects. 170,752; July 24; Serial No. 173,364; published Apr. 24, 1923.
- Romeo F. & Co., Inc., New York, N. Y. Olive oil. 170,979; July 24.
- Rugby Milling Company, The, Rugby, N. Dak. Wheat flour. 170,842; July 24; Serial No. 162,055; published Mar. 20, 1923.
- Russell, John W., Bryan, Ohio. Wheat flour made from cereals. 170,849; July 24; Serial No. 164,116; published Mar. 20, 1923.
- S & G Manufacturing Company, Stockton, Calif. Combined pump and fan attachment for automobiles. 170,825; July 24; Serial No. 170,508; published Apr. 24, 1923.
- Sands, Taylor & Wood Co., Boston, Mass. Wheat flour. 170,857; July 24; Serial No. 168,556; published Mar. 20, 1923.
- Sands, Taylor & Wood Co., Boston, Mass. Wheat flour. 170,858; July 24; Serial No. 168,555; published Mar. 20, 1923.
- San Xavier Fish Packing Company, Monterey, Calif. Sardines, anchovies, canned goods, etc. 170,971; July 24.
- Sauers Milling Company, The, Evansville, Ill. Self-rising flour. 170,891; July 24; Serial No. 160,210; published Mar. 20, 1923.
- Sawkins, Huntington D., Baltimore, Md. Salted peanuts and salted almonds. 170,746; July 24; Serial No. 173,580; published Apr. 24, 1923.
- Scheel, William H., New York, N. Y. Lacquer compositions. 170,790; July 24; Serial No. 175,326; published Apr. 24, 1923.
- Schulze Baking Company, Chicago, Ill. Bread. 170,974; July 24, 1923.
- Sea Coast Packing Co., Seattle, Wash. Canned salmon. 170,965; July 24, 1923.
- Sears, Roebuck and Company, New York, N. Y., and Chicago, Ill. Phonograph records. 170,708; July 24; Serial No. 140,072; published Apr. 24, 1923.
- Seattle Macaroni Mfg. Co. Inc., Seattle, Wash. Alimentary pastes. 170,988; July 24.
- Seldage, Joseph J., Spokane, Wash. Insecticide for use in exterminating rodents, etc. 170,753; July 24; Serial No. 173,366; published Apr. 24, 1923.
- Six In One Cereal Co., Hinckley, Ill. Cereal breakfast foods. 170,877; July 24; Serial No. 157,903; published Mar. 20, 1923.
- Societe Anonyme Parfumerie Violet, Paris, France. Perfumes, toilet waters, face powders, etc. 170,985; July 24.
- Southern Oil & Feed Mills Inc., Petersburg, Va. Poultry feed. 170,996; July 24.
- Spongette Pure Food Company, Wilmington, Del., and Pittsburgh, Pa. Bran biscuits. 170,867; July 24; Serial No. 166,909; published Mar. 27, 1923.
- Staley, A. E., Manufacturing Company, Decatur, Ill. Sugar. 170,901-3; July 24; Serial Nos. 170,796-8; published Mar. 13, 1923.
- Standard Crystal Company. (See Reese, Edward.)
- Standard Oil Company of New York, New York, N. Y. Petroleum products—namely, gasoline and naphtha. 170,736; July 24; Serial No. 169,934; published May 15, 1923.
- Sun Drug Co., The, Los Angeles, Calif. Olive oil, caraway and celery seeds, cocoa butter, etc. 170,912; July 24; Serial No. 139,632; published Apr. 3, 1923.
- Swift and Company, Chicago, Ill. Butter, cheese, eggs, and sausage. 170,926; July 24; Serial No. 163,186; published Mar. 20, 1923.
- Texas Farm Bureau Melon Growers' Exchange, Dallas, Tex. Watermelons. 170,950; July 24; Serial No. 167,152; published Apr. 24, 1923.
- Thermalene Gas Corporation, Kankakee, Ill. Generators for producing gas, gas cartridges, and parts thereof, etc. 170,821; July 24; Serial No. 171,823; published Apr. 24, 1923.
- Thompson Milling Co., Lockport, N. Y. Wheat flour. 170,888; July 24; Serial No. 160,727; published Mar. 20, 1923.
- Tip Top Baking Co., Louisville, Ky. Bread. 170,808; July 24; Serial No. 171,558; published Mar. 13, 1923.
- Travis, Romaine & Jellé, Inc., New York, N. Y. Silk, artificial-silk, cotton, and wool piece goods, and combinations thereof. 170,742; July 24; Serial No. 174,545; published Apr. 24, 1923.
- Tribune Company, The, Chicago, Ill. Sheet paper for printing and writing. 170,879; July 24; Serial No. 157,592; published July 18, 1922.
- Twombly, Edna G., Stoughton, Mass., administratrix of the estate of Dr. James Twombly. Tonic for the nervous system. 170,819; July 24; Serial No. 171,341; published Apr. 21, 1923.
- U. R. S. Candy Stores, Inc., also doing business as United Happiness Candy Stores, Long Island City, N. Y. Candy. 170,840; July 24; Serial No. 161,072; published Dec. 26, 1922.
- Umpqua Valley Canning Company, Roseburg, Oreg. Canned and dried fruits and canned vegetables. 170,989; July 24.
- Union Brush Co. (See Meerse, Jacob.)
- United Happiness Candy Stores. (See U. R. S. Candy Stores, Inc.)
- United States Bung Mfg. Co., The, New York and Brooklyn, N. Y., and Cincinnati, Ohio. Bungs. 170,928; July 24; Serial No. 162,909; published Apr. 24, 1923.
- United States Flour Mills Company, New Orleans, La. Hard-wheat flour, soft-wheat flour and self-rising flour. 170,865; July 24; Serial No. 167,437; published Mar. 20, 1923.
- United States Flour Mills Company, New Orleans, La. Hard-wheat flour, soft-wheat flour, and self-rising flour. 170,866; July 24; Serial No. 167,436; published Mar. 20, 1923.
- Vaughan-Towle Co., Lynn, Mass. Shoes made wholly or in part of leather. 170,758; July 24; Serial No. 176,300; published Apr. 24, 1923.
- Velones, Dinis, Indianapolis, Ind. Hair tonic. 170,968; July 24.
- Vermont Creamery Incorporated, Pawtucket, R. I. Butter, eggs, cheese, lard, maple sugar, maple sirup, peanut butter. 170,871; July 24; Serial No. 165,903; published Mar. 27, 1923.
- Vesper Pharmacal Co. (See Deavy, Thomas R.)
- Victoria Pastry Co., San Francisco, Calif. French pastry and cakes covered with icing, cakes, macaroon tarts. 170,836; July 24; Serial No. 157,457; published Mar. 27, 1923.
- Viriden Packing Company, San Francisco, Calif. Smoked meats. 170,709; July 24; Serial No. 142,184; published May 8, 1923.
- Wabasha Roller Mill Company, Wabasha, Minn. Wheat flour. 170,806; July 24; Serial No. 169,793; published Feb. 27, 1923.
- Ward Baking Company, New York, N. Y. Bread. 170,794; July 24; Serial No. 169,794; published Feb. 27, 1923.
- Ward Baking Company, New York, N. Y. Bread. 170,799; July 24; Serial No. 169,382; published Feb. 27, 1923.
- Ward Baking Company, New York, N. Y. Bread, cakes, and cereal breakfast foods. 170,800; July 24; Serial No. 169,383; published Mar. 27, 1923.
- Ward Baking Company, New York, N. Y. Bread. 170,801; July 24; Serial No. 169,384; published Mar. 27, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

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- Ward Baking Company, New York, N. Y. Sugar product used as an ingredient in the manufacture of bread, cakes, etc. 170,816; July 24; Serial No. 170,960; published Mar. 13, 1923.
- Ward Baking Company, New York, N. Y. Cakes. 170,894; July 24; Serial No. 171,437; published Mar. 13, 1923.
- Ward Baking Company, New York, N. Y. Bread. 170,895; July 24; Serial No. 171,435; published Mar. 13, 1923.
- Ward Baking Company, New York, N. Y. Sugar product. 170,900; July 24; Serial No. 170,961; published Mar. 13, 1923.
- Ward Baking Company, New York, N. Y. Bread. 170,938; July 24; Serial No. 169,385; published Feb. 27, 1923.
- Warners Whole Wheat Bread, Inc., New York, N. Y. Bread. 170,951; July 24; Serial No. 166,863; published Feb. 20, 1923.
- Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 170,793; July 24; Serial No. 170,513; published Mar. 13, 1923.
- Web Sterilizer Co. (See Barnard, William E.)
- Weeks, D., & Company, Des Moines, Iowa. Laxative, cold tablets. 170,990; July 24.
- Wells, Edgar R., Prosser, Wash. Eggs and live poultry. 170,925; July 24; Serial No. 163,607; published Mar. 20, 1923.
- Wellmore & Co., Inc., New York, N. Y. Pianos, player pianos, electrically-operated pianos, and phonographs. 170,959; July 14, 1923.
- Wertheimer Brothers, New York, N. Y. Ribbons. 170,777; July 24; Serial No. 176,052; published Apr. 24, 1922.
- White Arrow Farms, Cheraw, S. C. Eggs. 170,933; July 24; Serial No. 161,398; published Mar. 27, 1923.
- Whyte Commission Company, Pine Bluff, Ark. Stock, dairy, poultry, etc., feed and wheat flour. 170,813; July 24; Serial No. 169,107; published Mar. 27, 1923.
- Whyte Commission Company, Pine Bluff, Ark. Stock, dairy, and poultry feed. 170,939; July 24; Serial No. 169,110; published Mar. 20, 1923.
- Wilkins, C., Company, New York, N. Y. Mayonnaise dressing. 170,913; July 24; Serial No. 138,247; published Dec. 12, 1922.
- Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. 170,915; July 24; Serial No. 166,757; published Apr. 24, 1923.
- Williams, Frank C., Inc., doing business as Frank C. Williams, Easton, Pa. Wheat flour. 170,949; July 24; Serial No. 167,277; published Apr. 3, 1923.
- Winchester Repeating Arms Co., New Haven, Conn. Pocketknives. 170,780; July 24; Serial No. 175,693; published May 29, 1923.
- Winslow Carmi, doing business as Mutual Products Company, Minneapolis, Minn. Stock food. 170,889; July 24; Serial No. 160,376; published Mar. 20, 1923.
- Witman, Frank R., doing business as Frank R. Witman Phonograph Supply Company, Putnam, Conn. Phonograph accessories. 170,817; July 24; Serial No. 170,964; published Apr. 24, 1923.
- Wolf, Sayer & Heller, Inc., Chicago, Ill. Seasonings for meat products. 170,993; July 24.
- Womble Chemical Company, Womble, Ark. Hair tonic. 170,782; July 24; Serial No. 174,714; published Apr. 24, 1923.
- Woolsey, Ella G., Kansas City, Kans. Ice cream. 170,982; July 24.
- Yantis, S. R., Milling Co., Fulton, Mo. Self-rising wheat flour. 170,811; July 24; Serial No. 169,042; Mar. 20, 1923.
- Ye Olde Tyme Hard and Soft Pretzel Shop. (See Meyers, Thomas A.)

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- Holland Knitting Co., Brooklyn, N. Y. Société. For Knitted Cravats. 26,249; July 24.
- Jordan Marsh Company, Boston, Mass. Copley, The Store For Men A Separate Store In A Separate Building. For Men's Overcoats. 26,250; July 24.
- Jordan Marsh Company, Boston, Mass. Copley, The Store For Men A Separate Store In A Separate Building. For Men's Coats. 26,251; July 24.
- King, H. H., Flour Mills Company, Minneapolis, Minn. King's Castle. For Wheat Flour. 26,252; July 24.
- Krank, Alfred J., St. Paul, Minn. Krank's Lemon Facial Pack. For a Skin Treatment and Beautifier. 26,253; July 24.
- Levkowicz, Marcus W., doing business as Perspero Company, San Francisco, Calif. Perspero. For a Composition of Matter Used for the Toilet. 26,254; July 24.
- McRoberts, R. W., Atlanta, Ga. Calcum Makes Puppies Grow Strong and Healthy. For a Medicinal Preparation for Dogs. 26,255; July 24.
- Murdock, Ebenezer, doing business as E. Murdock & Co., New York, N. Y. Pepper Sauce. For West Indian Pepper Sauce. 26,256; July 24.
- Murray, John F., doing business as Whitehall Pharmaceutical Co., New York, N. Y. Rowles Red Pepper Rub. For Cartons or Boxes Inclosing or Containing the Compound Described Therein. 26,257; July 24.
- Perspero Company. (See Levkowicz, Marcus W.)
- Real Silk Hosiery Mills, Indianapolis, Ind. Real Silk Guaranteed Hosiery. For Hosiery. 26,258-9; July 24.
- Robb, Charles W., Salt Lake City, Utah. Use C. W. Robb's Very Best Paints. For Packages and Barrels of Paint. 26,260; July 24.
- Sandhill Fruit Growers Association, Aberdeen, N. C. Sandhill. For Peaches. 26,261; July 24.
- Saniwax Paper Co., Kalamazoo, Mich. Robin Hood. For Bread. 26,262; July 24.
- Whitehall Pharmaceutical Co. (See Murray, John F.)
- Wortendyke Mfg. Co., Richmond, Va. Kewpie. For Toilet Paper. 26,263; July 24.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

- American Lead Pencil Co., New York, N. Y. Venus Thin Leads. For Pencils. 6,829; July 24.
- Aracoma Textile Company, Incorporated, New York, N. Y. Aracoma. For Draperies and Other Silk Fabrics. 6,830; July 24.
- Automotive Battery Service Co. (See Watson, Harry E.)
- Cream of Wheat Co., Minneapolis, Minn. Peace And Plenty. For Wheat Breakfast Food. 6,831; July 24.
- Georgia, William B., Waco, Tex. Aristokrat Kut. For Fancy Cut Spectacle and Eyeglass Lenses. 6,832; July 24.
- Postum Cereal Company, Inc., New York, N. Y. Grape Nuts Window Trim. For Grape Nuts. 6,833; July 24.
- Watson, Harry E., doing business as Automotive Battery Service Co., Richmond, Ind. Battery Service By The Year. For Electric Storage Batteries. 6,834; July 24.
- Wilder & Company, Chicago, Ill. Wilder's Lion. For Half Soles and Strips. 6,835; July 24.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Abbott, Frederick J., doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Motor fuels. 180,404; July 24.
- Abbott Laboratories, Chicago, Ill. Preparation for the prevention and treatment of sunburn. 179,914; July 24.
- Acheson Manufacturing Company, Rankin, Pa. Pipe and vent fittings, traps, etc. 163,211; July 24.
- Adamson, Charles E., Wabash, Ind. Stoves, baking and annealing ovens, heaters, etc. 179,125; July 24.
- American Range & Foundry Company, also doing business as Minnesota Stove Company, Minneapolis, Minn. Electric stoves and ranges. 173,551; July 24.
- Arena, A., & Co., Los Angeles, Calif. Fresh cantaloupes. 174,763; July 24.
- Asia Company, The, Los Angeles, Calif. Bottled and barreled sauce, soy, packed miso, etc. 174,163; July 24.
- Atlanta Barbers Supply Company, Atlanta, Ga. Combination cold cream and face powder, deodorant, etc. 176,592; July 24.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Atlas Shear Co., The, Bridgeport, Conn. Shears and scissors. 174,281; July 24.
- Axco Chemical Co., New York, N. Y. Detergent in the nature of a water softener and soap. 180,957; July 24.
- B & L Metal Stamping Co., Inc., New York, N. Y. Metal parts and fixtures for electric-lighting fixtures. 164,489; July 24.
- Baird-North Company, Providence, R. I. Watches. 181,715; July 24.
- Baldacci, Valentino, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy. Hemostatic preparations. 170,888; July 24.
- Banos, V., & Co. Inc., Brooklyn, N. Y. Food product. 177,948; July 24.
- Barash Bros., Inc., New York, N. Y. Rickrack braid. 170,269; July 24.
- Begley Mechanical Corporation, New York, N. Y. Automobile stop and direction indicators. 144,309; July 24.
- Bessell, Louis, New York, N. Y. Earrings, finger rings, pendants, scarf pins, etc. 177,266; July 24.
- Big State Co. (See Hollis, Paul S.)
- Block Gas Mantle Company, The, Youngstown, Ohio. Gas and gasoline mantles. 180,651; July 24.
- Block, Leopold, doing business as Buffalo Jewelry Manufacturing Company, Buffalo, N. Y. Finger rings and neck chains. 171,893; July 24.
- Bonded Products Corporation, New York, N. Y. Soap and scouring compounds. 180,206; July 24.
- Botany Worsted Mills, Passaic, N. J. Worsted yarn fabric known as "reps." 179,989; July 24.
- Botany Worsted Mills, Passaic, N. J. Wool pile fabric. 180,358; July 24.
- Botany Worsted Mills, Passaic, N. J. Brocaded wool pile fabric. 180,359; July 24.
- Boyriven, A., New York, N. Y. Automobile upholstery fabrics. 165,120; July 24.
- Brach, L. S., Manufacturing Co., Newark, N. J. Radio head sets, radiodetectors, radiocrystals, etc. 178,892; July 24.
- Brine, James W., Company, Boston, Mass. Flags, banners, pennants, etc. 172,281; July 24.
- Brine, James W., Company, Boston, Mass. Surveying linemen's measuring outfits. 172,580; July 24.
- Brine, James W., Company, Boston, Mass. Score books. 172,730; July 24.
- Brooks, George W., Topeka, Kans. Blackboards. 149,884; July 24.
- Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Rubber and fabric tires. 177,952; July 24.
- Buffalo Jewelry Manufacturing Company. (See Block, Leopold.)
- Burroughs, Herbert D., Atlanta, Ga. Gasoline. 170,751; July 24.
- C. V. & R. Batigne, New York, N. Y. Positive projection slides, and motion-picture films. 176,664; July 24.
- Cadet Knitting Company, Philadelphia, Pa. Sweater coats. 180,417; July 24.
- Camel Chemical Co. Inc., Portland, Oreg. Battery solution. 178,821-2; July 24.
- Camilla Preparations, Inc., New York, N. Y. Reducing cream. 178,893; July 24.
- Campania Importing Company, Inc., New York, N. Y. Olive oil. 155,665; July 24.
- Carleton Dry Goods Company, St. Louis, Mo. Shirts, nightgowns, and pyjamas. 180,585; July 24.
- Carson Pirie Scott & Company, Chicago, Ill. Petticoats and bloomers. 180,587; July 24.
- Central Radio Laboratories, Milwaukee, Wis. Radio signaling apparatus and parts thereof. 178,164; July 24.
- Chore-Utensils Corporation of America, The, Orange, N. J. Dish, bottle, and pot mops. 181,380; July 24.
- Cincinnati Wholesale Grocery Company, The, Cincinnati, Ohio. Canned peas and tomatoes. 177,360; July 24.
- Cleveland Radio Manufacturing Company, The, Cleveland, Ohio. Radio sets and coupling coils, condensers, detectors, etc. 162,667; July 24.
- Cohen Company, Inc., The, Richmond, Va. Women's silk hosiery. 180,271; July 24.
- Colsman, Carl, doing business as Colsman & Co., Werdohl, Germany. Household and kitchen utensils made of aluminum. 165,528; July 24.
- Columbus McKinnon Chain Company, The, Columbus, Ohio. Tire chains. 179,031; July 24.
- Commonwealth Color & Chemical Co., Brooklyn, N. Y. Printing inks. 179,357; July 24.
- Commonwealth Color and Chemical Co., Brooklyn, N. Y. Soaps, cleaning and scouring powder. 179,358; July 24.
- Consolidated Textile Corporation, New York, N. Y. Unbleached sheeting. 172,031; July 24.
- Continental Watch and Jewelry Co. (See Goldin, Meyer.)
- Cooke, Harry S., doing business as Presto Fire Extinguisher Company, Beacon, N. Y. Dry-powder tube fire extinguisher. 179,295; July 24.
- Cotton Belt Manufacturing Company, Rocky Mount, N. C. Mattresses. 172,829; July 24.
- Crystal Petroleum Products Corporation. (See Abbott, Frederick J.)
- David, John, New York, N. Y. Men's suits, jackets, coats, trousers, vests, and knickerbockers. 180,591; July 24.
- Davies, Rose & Co., Ltd., Boston, Mass. Extracts and flavorings for food purposes. 168,517; July 24.
- Deagan, J. C., Inc. Xylophones. 180,529; July 24.
- Detroit Lubricator Company, Detroit, Mich. Metal valves for pipe lines and the like. 179,929; July 24.
- Diamond Mills Paper Company, New York, N. Y. Toilet paper. 181,387; July 24.
- Didrichsen, Johan, Christiania, Norway. Cod-liver oil. 175,715; July 24.
- Dudley Lumber Company Inc., Memphis, Tenn. Logs and rough lumber. 178,598; July 24.
- Dunlevy Packing Company, assignor to Dunlevy-Franklin Company, Pittsburgh, Pa. Butter, margarines, eggs, lard, etc. 155,668; July 24.
- Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 173,469; July 24.
- Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 173,474; July 24.
- Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 173,477; July 24.
- Emeterio, Flores, New York, N. Y. Spanish paprika and spices. 174,567; July 24.
- Etched Products Corporation, Long Island City, N. Y. Metallic hot-dish plaques. 176,075; July 24.
- Farber Silver Corporation, New York, N. Y. Hollow ware. 180,059; July 24.
- Finery Hosiery Corporation, New York, N. Y. Hosiery. 177,434; July 24.
- Fireite Extinguisher Co., Masontown, Pa. Hand fire extinguishers. 181,686; July 24.
- Fitzpatrick, Thomas J., Gloversville, N. Y. Bread. 153,036; July 24.
- Fleming, Harold C., also doing business as Compyrin Laboratories, Cedar Rapids, Iowa. Medicinal compound containing acetylsalicylic acid. 178,834; July 24.
- Fletcher, Robert, & Son, Limited, Stoneclough, near Manchester, England. Uncut cigarette paper. 180,000-1; July 24.
- Flexlume Corporation, Buffalo, N. Y. Electrically-illuminated signs. 169,630; July 24.
- Frostilla Company, The. (See Shoemaker, Flora H.)
- Garneau, Jos., Co., Inc., The, New York, N. Y. Canned fish. 175,080; July 24.
- General Lead Batteries Company, Newark, N. J. Lead storage batteries and parts. 161,992; July 24.
- Germany, Mary, doing business as Mrs. Mary Germany, Dallas, Tex. Salad dressing. 176,119; July 24.
- Gerson & Breyer, San Francisco, Calif. Men's, women's, and children's hosiery. 177,374; July 24.
- Goertz, August, & Co., Newark, N. J. Knife or cutting-blade handles. 176,461; July 24.
- Goldin, Meyer, doing business as Continental Watch and Jewelry Co., Chicago, Ill. Watch movements and watchcases. 173,887; July 24.
- Goodman, A., & Sons, Inc., New York, N. Y. Alimentary paste products. 169,543; July 24.
- Gorton-Pew Fisheries Company, Gloucester, Mass. Potatoes and salt fish combined for fish cakes. 177,909; July 24.
- Gorton-Pew Fisheries Company, Gloucester, Mass. Salt codfish. 177,910; July 24.
- Goshen Churn & Ladder Company, The, Goshen, Ind. Ladders. 171,315; July 24.
- Gottlieb, Joseph, New York, N. Y. Watches, watch movements, and parts thereof. 179,665; July 24.
- Graphoto Company, Boston, Mass. Coated glass plates for etching, drawing, and hand negatives. 163,387; July 24.
- Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Cottonseed oil for frying, cooking, etc. 176,106; July 24.
- Hart & Hegeman Manufacturing Company, The, Hartford, Conn. Electrical switches. 161,728; July 24.
- Hayhurst, William P., Santa Rosa, Calif. Lotion for the skin. 175,311; July 24.
- Heller, B., & Company, Chicago, Ill. Garlic flavoring compound. 172,990; July 24.
- Hoffman, Elie A., doing business as E. A. Hoffman Candy Co., Los Angeles, Calif. Candy. 174,393; July 24.
- Hohner, M., New York, N. Y. Mouth harmonicas. 180,180; July 24.
- Holland Specialty Company, Peoria, Ill. Preparation for cleaning artificial dentures. 174,647; July 24.
- Hollis, Paul S., doing business as Big State Co., Fort Worth, Tex. Nonalcoholic maltless beverage powder used for making soft drinks. 172,380; July 24.
- Houze, L. J., Convex Glass Company, Point Marion, Pa. Sheet glass. 181,397; July 24.
- Howard Stove & Furnace Co., Ralston, Nebr. Heating furnaces. 180,603; July 24.
- Hub Hosiery Mills, Boston, Mass. Infants' hose. 179,730; July 24.
- Hydrox Corporation, Wilmington, Del. Ice cream. 177,783; July 24.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

vii

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Index Visible, Inc., New Haven, Conn. Card indexes, index cards, cases, cabinets, etc. 148,279; July 24.
- Indian Star Chemical Co., Jericho, Ark. Face powder, hair straightener, liniment, etc. 175,356; July 24.
- Italian Book Co., Inc., New York, N. Y. Phonograph records. 171,803; July 24.
- Johnson, William H., Arlington, N. J. Garters. 174,841; July 24.
- Johnson, William H., New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Paper, pencils, pens, etc. 163,987; July 24.
- Justa Mfg. Co., Hugo, Okla. Washing compound. 181,125; July 24.
- Katagi, Tamekichi, Seattle, Wash. Electrical stop and direction signal light systems for vehicles. 145,110; July 24.
- Kaufman, Fred, New York, N. Y. Watches and parts thereof. 179,796; July 24.
- Keith, Geo. E., Company, Brockton, Mass. Boot and shoe tips and counters. 177,675; July 24.
- Kellogg Company, Battle Creek, Mich. Coffee-like beverage. 177,914; July 24.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. Cereal breakfast foods. 172,884; July 24.
- Kenny, C. D., Company, Baltimore, Md. Coffee. 178,257; July 24.
- Kerite Insulated Wire & Cable Company, Inc., The, Seymour, Conn., and New York, N. Y. Insulated wire and cables. 178,106; July 24.
- King, George W., Boston, Mass. Edible vegetable fats and oils. 164,111; July 24.
- Kings County Packing Co., Armona, Calif. Canned fruits. 168,042; July 24.
- Klosner, Morris, doing business as Klosner Improved Apparatus Company, New York, N. Y. Electric switches, telephone-control switches, amplifier-control switches, etc. 174,579; July 24.
- Koblentz, Sidney J., doing business as M. Koblentz & Son, New York, N. Y. Shirts, pyjamas, underwear, hats, hose, etc. 179,153; July 24.
- Kohnstamm, H., & Co., Inc., New York, N. Y. Washing powder. 180,375; July 24.
- Kottler, Aaron P., doing business as Dr. Kottler Laboratories, Chicago, Ill. Chemical preparation to remove skin blemishes. 178,928; July 24.
- Laboratorio Chimica Farmaceutico V. Baldacci. (See Baldacci, Valentino.)
- Land, Julius, doing business as Vanitie Hat Co., New York, N. Y. Ladies', misses', and children's hats. 152,428; July 24.
- Lazell Perfumer, Newburgh, N. Y. Rouge and powder compact package. 179,300; July 24.
- Le Roy, Ltd., Chicago, Ill. Liquid preparation for keeping curl in hair. 179,541; July 24.
- Lever Brothers Company, Cambridge, Mass. Soap. 180,610; July 24.
- Levring & Company Inc., St. Louis, Mo. Rennet extract, rennet tablets, and lactic-acid ferment. 178,450; July 24.
- Libbey Glass Manufacturing Co., The, Toledo, Ohio. Glassware. 171,807; July 24.
- Lightfoot Schultz Company, Hoboken, N. J. Soaps. 179,108; July 24.
- Lincoln Record Corporation, New York, N. Y. Phonograph records. 180,133; July 24.
- Lustroil Co. (See Nicomede, Joe.)
- McEvoy, Joseph H., Houston, Tex. Well screens and well strainers. 175,561-5; July 24.
- Manning, Maxwell & Moore, Inc., New York, N. Y. Copper-nickel-alloy castings. 177,565; July 24.
- Marquette Manufacturing Company, St. Paul, Minn. Luggage carriers, shock absorbers, combined fender braces and bumpers. 176,561; July 24.
- Marshall-Wells Company, Duluth, Minn. Coal and gas ranges, coal, gas, wood, and oil heaters, gasoline cookstoves, and hot-air furnaces. 178,855; July 24.
- Marshall-Wells Company, Duluth, Minn. Paint and shaving brushes. 181,135; July 24.
- Marvin, E. W., Company, Troy, N. Y. Nurses' collars, cuffs, aprons, caps, bibs, uniforms, etc. 174,845; July 24.
- Maxwell, R. G., & Co., London, England, and Hawick, Scotland. Piece goods of wool, worsted, or hair. 181,605; July 24.
- Meinhardt, Jacob A., doing business as J. A. Meinhardt Company, Chicago, Ill. Mops, mopsticks, and bathtub cleaners. 180,876; July 24.
- Meyer, Bacharach & Friedhelm, New York, N. Y. Neckties. 174,183; July 24.
- Military Order of The Cootie, New York and Brooklyn, N. Y. Hats, caps, tassels, and aprons. 166,315; July 24.
- Minnesota Stove Company. (See American Range & Foundry Company.)
- Monarch Corporation, The, Pittsburgh, Pa. Dehydrators and parts of dehydrators. 178,268; July 24.
- Montgomery, Wm., & Co., Philadelphia, Pa. Sarsaparilla, ginger ale, cream soda, etc. 179,811; July 24.
- Moomaw, Paul M., Okemah, Okla. Liver pills. 177,097; July 24.
- Munning, A. P. & Co., Matawan, N. J. Lime polishing compositions. 179,214; July 24.
- Munzer, Ida, Inc., New York, N. Y. Women's and children's textile underwear. 174,586; July 24.
- Muscente, Fausto A., doing business as Snow Cake Mfg. Co., Providence, R. I. Edible ice-cream containers. 172,758; July 24.
- Myers, Roy, Los Angeles, Calif. Laxatives. 175,675; July 24.
- My Own Company, Indianapolis, Ind. Catchup, chili sauce, canned goods, etc. 168,935; July 24.
- National Screw and Manufacturing Company, The, Cleveland, Ohio. Electric-lamp fixtures, electric motors and fans. 179,418; July 24.
- Nature's Rival Company, Chicago, Ill. Brassières. 165,406; July 24.
- New Hampshire Co-Operative Marketing Association, Inc., Manchester, N. H. Fresh eggs. 153,101; July 24.
- New Method Die & Cut-Out Co., Inc., Boston, Mass. Card-board easels for supporting advertising cards. 181,304; July 24.
- New Standard Corporation, Mount Joy, Pa. Food receptacles, insulated. 179,162; July 24.
- Nicomede, Joe, doing business as Lustroil Co., Altoona, Pa. Polish for restoring the polish of musical instruments. 169,317; July 24.
- Northern Equipment Company, Erie Pa. Feed-water regulators and pump governors. 178,625; July 24.
- Northern Paper Mills. Green Bay, Wis. Toilet paper. 180,717; July 24.
- O. & T. Electric Corporation, New York, N. Y. Radio detector and amplifier tubes. 180,293; July 24.
- Oil Country Specialties Manufacturing Co., The, Coffeyville, Kans. Oil-well swabs, stuffing boxes, jerecki jets, wire-line sockets, and tongs. 174,850; July 24.
- Owen, C. M., Los Angeles, Calif. Tablets, lotions, silver nitrate sticks, capsicum plasters, powders, etc. 178,277; July 24.
- Palmer, Walter C., doing business as W. R. Palmer & Co., Cincinnati, Ohio. Mops. 164,069; July 24.
- Pearless Confection Company, Chicago, Ill. Candies. 169,605; July 24.
- Perceval, C., New York, N. Y. Candy. 177,018; July 24.
- Phenix Cheese Co., New York, N. Y. Cheese. 172,392; July 24.
- Pneulec Machine Company Limited, The, Birmingham England. Molding machines, core making machines, sand mixing and conveying machines, etc. 178,356; July 24.
- Presto Fire Extinguisher Company. (See Cooke, Harry S.)
- Prouty-Bowler Soap Co., Des Moines, Iowa. Soap and soap flakes. 178,771; July 24.
- Quaker Oats Company, The, Chicago, Ill. Stock feeds. 173,982; July 24.
- Ray-Mailing Co. Inc., Portland, Ore. Canned fruits, berries, and vegetables. 175,811; July 24.
- Rayward Engineering and Manufacturing Co., Philadelphia, Pa. Mechanical motive pedal control devices. 179,012; July 24.
- Rey-Del-Rey Candy Co. Philadelphia, Pa. Candy. 172,044; July 24.
- Reynolds, R. J. Tobacco Company, Winston-Salem, N. C. Cigarette paper. 181,349; July 24.
- Richardson & Boynton Co., New York, N. Y. Warm-air furnaces. 179,222; July 24.
- Richmond Piston Ring Co. Richmond, Ind. Piston rings. 134,088; July 24.
- Roberts, Lewis, Inc., Newark, N. J. Printing inks. 178,629; July 24.
- Rosen & Listengart, Brooklyn, N. Y. Phonographs and parts thereof. 179,558; July 24.
- Rostine, Carl R., Ontario, Calif. Medical preparation for coughs, colds, croup, etc. 175,569; July 24.
- Rubsam, J., Co., Inc., New York, N. Y. Pills and tablets for regulating menstrual functions. 169,138; July 24.
- Ryde & Company, Chicago, Ill. Chicken feed. 174,489; July 24.
- Ryde & Company, Chicago, Ill. Stock feed. 174,490; July 24.
- Sanderson, Arthur N., West Springfield, Mass. Gold and silver polish. 180,083; July 24.
- Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Springs and coil springs, hot-rolled and cold-drawn seamless steel tubing. 178,572; July 24.
- Sanford Riley Stoker Company, Worcester, Mass. Underfeed stokers. 181,314; July 24.
- San-O-Dent Company, The, Spokane, Wash. Cleanser for false teeth. 174,865; July 24.
- Savoy Watch Company, Inc., New York, N. Y. Watch and clock movements and watchcases. 179,382; July 24.
- Schaefer, Max O., doing business as Velveeta Cheese Company, Monroe, N. Y. Cheese. 174,866; July 24.
- Schoedinger, F. O., Columbus, Ohio. Steel rules, zigzag rules, dividers, measuring tapes, etc. 172,180; July 24.
- Schoedinger, F. O., Columbus, Ohio. Soldering coppers, punches, chisels, rivet sets, etc. 172,182; July 24.
- Schoedinger, F. O., Columbus, Ohio. Eaves-trough nails, rivets, brackets, bolts, and chains. 172,184; July 24.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Scott and Turner, Limited, Newcastle-on-Tyne, England. Medicated preparation for human use for liver ailments. 178,874; July 24.
- Shoemaker, Flora H., doing business as The Frostilla Company, Elmira, N. Y. Lotion for the skin. 173,445; July 24.
- Sigler Bros. Co., The, Cleveland, Ohio. Jewelry. 167,853; July 24.
- Siren Milk Corporation, Chicago, Ill. Powder used in making chocolate sauces or sirups for food purposes. 176,102; July 24.
- Snow Cake Mfg. Co. (See Muscente, Fausto A.)
- Snow, Livingston, doing business as Livingston Snow Company, Quitman, Ga. Peanut butter. 177,877; July 24.
- Sprague Roller Mills, Sprague, Wash. Self-rising flour. 170,734; July 24.
- Stack Heater Company, Boston, Mass. Direct and indirect water heaters, instantaneous water heaters, etc. 155,277; July 24.
- Star Electric Motor Co., Newark, N. J. Electric motors, generators, and fans. 152,036-7; July 24.
- Summerfield Company, Boston, Mass. Stoves. 178,883; July 24.
- Sunman & Hewson, Luton, England. Hats for women and children. 177,146; July 24.
- Supreme Orient O. O. H. & P., Schenectady, N. Y. Lapel buttons. 145,596; July 24.
- Susanna Cocroft Laboratories Inc., New York, N. Y. Soap. 180,751; July 24.
- Sutermeister, Lowell A., Dayton, Ohio. Ice-cream portion. 172,912; July 24.
- Taiyo Trading Co., Inc., New York, N. Y. Canned crab meat. 176,580; July 24.
- Tasty Baking Company, Philadelphia, Pa. Cake. 157,084; July 24.
- Tetralin-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Soaps, liquids, powders, and pastes, for cleaning, and a metal-polishing preparation. 142,046; July 24.
- The B-X-Saw Co., Boston, Mass. Hack saws. 179,843; July 24.
- Tin Decorating Company of Baltimore, The. (See Johnson, William H.)
- Tramsak, John, Cleveland, Ohio. Preparation for the treatment of tuberculosis. 177,026; July 24.
- Turner & Seymour Manufacturing Company, The, Torrington, Conn. Metal curtain rods. 180,456; July 24.
- Ullman, Sigmund Company, New York, N. Y. Inks, blacks, etc. 156,473; July 24.
- Union Sugar Company, San Francisco, Calif. Beet, cane, and maple sugar. 178,310; July 24.
- United Autographic Register Co., Chicago, Ill. Loose-leaf binders and leaves thereof. 169,993; July 24.
- United States Bronze Powder Works, Inc., New York, N. Y. Bronze powders and bronzing liquids. 176,230-1; July 24.
- Universe Corporation, Chicago, Ill. Refrigerators. 181,156; July 24.
- Vanitie Hat Co. (See Land, Julius.)
- Velveeta Cheese Company. (See Schaefer, Max O.)
- Vos, Arthur, New York, N. Y. Paper weights and desk ornaments. 177,530; July 24.
- Warner Brothers Company, The, Bridgeport, Conn. Underwaists. 174,045; July 24.
- Warren Products Company Inc., The, New York, N. Y. Textile-material silk, linen, wool, cotton, or a mixture of same. 178,685; July 24.
- Wasserman, A. F., Memphis, Tenn. Soap. 179,574; July 24.
- Weideman Company, The, Cleveland, Ohio. Coffee. 173,309; July 24.
- Wells-Abbott-Nieman Co., Inc., Schuyler, Nebr. Hard-wheat flour. 173,946; July 24.
- West Electric Hair Curler Company, Philadelphia, Pa. Hair nets. 179,838; July 24.
- White Products Company, Chicago, Ill. Automobile windshield wipers. 144,757; July 24.
- White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental spotlights and lamps for the same. 180,158; July 24.
- William, J. H., & Co., Brooklyn, N. Y. Wrenches, vises, etc. 149,873; July 24.
- Wilson Tea Co., Inc., Seattle, Wash. Coffee. 177,885; July 24.
- Wilton Manufacturing Co. Inc., The, New York, N. Y. Cotton piece goods. 177,536; July 24.
- Wish, Fred A., Incorporated, New York, N. Y. Bath soap. 180,639; July 24.
- Wish, Fred A., Incorporated, New York, N. Y. Hosiery, sleeping garments, bibs, and aprons. 180,642; July 24.
- Wittnauer, A., Co., New York, N. Y. Watches. 181,327; July 24.
- Wolverine Lubricants Co. of New York, New York, N. Y. Lubricating oils. 179,501; July 24.
- Zieser & Kling, St. Louis, Mo. Ladies' and misses' coats and suits. 180,643; July 24.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

- Goatskins, colt and horse hides, kips, and cow sides. C. A. Reynolds. 170,743; July 24; Serial No. 174,592; published Apr. 24, 1923.
- Seeds and bulbs, Vegetable, flower, and lawn-grass. W. Atlee Burpee Co. 170,786; July 24; Serial No. 175,067; published Apr. 24, 1923.
- Seeds, Flower. W. Atlee Burpee Co. 170,785; July 24; Serial No. 175,066; published Apr. 24, 1923.

CLASS 2.

- Barrels, pasteboard and wooden boxes, etc. B. Heller & Company. 170,992; July 24.
- Bottle containers or cases. De fiance Pressed Steel Company. 170,775; July 24; Serial No. 175,714; published Apr. 24, 1923.
- Boxes, Fiber. Iowa Fiber Box Company. 170,761; July 24; Serial No. 176,475; published Apr. 10, 1923.
- Garment bags, Paper. Rike Folding Box Company. 170,892; July 24; Serial No. 159,882; published Apr. 24, 1923.
- Paper cans. National Paper Can Company. 170,767; July 24; Serial No. 177,317; published Apr. 24, 1923.

CLASS 3.

- Hand bags and pocketbooks, Ladies'. J. Cyganiewicz. 170,787; July 24; Serial No. 175,071; published Apr. 24, 1923.
- Trunks, Wardrobe. New Process Company. 170,773; July 24; Serial No. 175,020; published Apr. 24, 1923.
- Vanity cases and ladies' hand bags. Ritter Brothers. 170,769; July 24; Serial No. 177,517; published Apr. 24, 1923.

CLASS 4.

- Soap, Toilet. Iowa Soap Company. 170,994-5; July 24.

CLASS 6.

- Automobile radiators and cooling systems. Preparation to clean, etc. A. P. Heinze. 170,713; July 24; Serial No. 138,168; published Apr. 24, 1923.
- Bluing paddles. F. G. Mitchell. 170,756; July 24; Serial No. 173,334; published Apr. 24, 1923.

- Chemical used as a flux. Consolvo Manufacturing Company. 170,725; July 24; Serial No. 172,664; published Apr. 24, 1923.
- Clay and paste for the complexion. S. Markman. 170,927; July 24; Serial No. 162,941; published Apr. 24, 1923.
- Compound for treating rheumatism and diseases of the blood. A. G. De Brule. 170,741; July 24; Serial No. 174,295; published Apr. 24, 1923.
- Cream, Vanishing and massage. A. J. Krank Mfg. Co. 170,745; July 24; Serial No. 173,500; published Apr. 24, 1923.
- Deodorant. J. T. Gallagher. 170,740; July 24; Serial No. 174,239; published Apr. 24, 1923.
- Detergent. National Marking Machine Company. 170,977; July 24.
- Emulsion petroleum. Orchard Drug Co. 170,920-1; July 24; Serial No. 165,807-8; published Apr. 24, 1923.
- Glass, Chemical compound for etching. McKay Company. 170,751; July 24; Serial No. 174,091; published Apr. 24, 1923.
- Hair tonic. D. Velones. 170,968; July 24.
- Hair tonic. Womble Chemical Company. 170,782; July 24; Serial No. 174,714; published Apr. 24, 1923.
- Hair tonic and fixative. A. J. Krank. 170,720; July 24; Serial No. 173,193; published Apr. 24, 1923.
- Insecticide for use in exterminating rodents, etc. J. J. Seldage. 170,753; July 24; Serial No. 173,366; published Apr. 24, 1923.
- Insecticide for use in exterminating rodents and insects. G. W. Roller. 170,752; July 24; Serial No. 173,364; published Apr. 24, 1923.
- Insecticides. Hofstra Manufacturing Company. 170,980; July 24.
- Insecticides, disinfectants, and deodorizers. Kilzol Products Company. 170,818; July 24; Serial No. 171,274; published Apr. 24, 1923.
- Lye, Flake. Niagara Alkali Company. 170,829; July 24; Serial No. 169,918; published Apr. 24, 1923.
- Medical compounds. F. L. McCollam. 170,735; July 24; Serial No. 172,426; published Apr. 24, 1923.

Medicinal preparation. Balsamea Co. 170,724; July 24; Serial No. 172,661; published Apr. 24, 1923.
 Medicine and ingredients of medicine for tuberculosis, etc. E. J. Evans. 170,732; July 24; Serial No. 172,324; published Apr. 24, 1923.

Medicine for indigestion, vertigo, etc. T. R. Deavy. 170,919; July 24; Serial No. 165,855; published Apr. 24, 1923.

Medicins for the treatment of affections of the heart. Laboratoire Nativelle. 170,954; July 24.

Mouth wash and a remedy for pyorrhea. Hom-Pyrrho Co. 170,744; July 24; Serial No. 174,626; published Apr. 24, 1923.

Nail polish. Henry L. Hughes Co. Inc. 170,755; July 24; Serial No. 173,497; published Apr. 24, 1923.

Ointment. Lyndon Chemical Company. 170,749-50; July 24; Serial Nos. 174,088-9; published Apr. 24, 1923.

Perfumes. Agra Company. 170,783; July 24; Serial No. 174,762; published Apr. 24, 1923.

Perfumes, toilet waters, face powders, etc. Societe Anonyme Parfumerie Violet. 170,985; July 24.

Powder. Face. L. B. Ridley. 170,948; July 24; Serial No. 167,327; published Apr. 24, 1923.

Powder, Toilet. Olivette Laboratories, Inc. 170,781; July 24; Serial No. 174,700; published Apr. 24, 1923.

Rouges and lip sticks. Gordon Gordon. 170,991; July 24.

Salts, Alkaline. Abel-Jensen Laboratories. 170,815; July 24; Serial No. 171,884; published Apr. 24, 1923.

Salts, Diluted Epsom. K. L. M. Company. 170,984; July 24.

Tablets and antiseptic preparations for the treatment of scalds, burns, etc. W. W. Herrick. 170,739; July 24; Serial No. 174,206; published Apr. 24, 1923.

Tablets, Gas. J. Baalman. 170,830; July 24; Serial No. 169,996; published Apr. 24, 1923.

Tablets, Laxative cold. D. Weeks & Company. 170,990; July 24.

Toilet water. W. J. Bush & Co. 170,718-9; July 24; Serial Nos. 173,170-1; published Apr. 24, 1923.

Tonic. E. G. Twombly, administratrix of the estate of Dr. James Twombly. 170,819; July 24; Serial No. 171,341; published Apr. 24, 1923.

Vermin exterminator and insecticide, Body-. B. Heller & Company. 170,986; July 24.

CLASS 8.

Pipes and pipe parts. General Bakelite Company. 170,772; July 24; Serial No. 175,601; published Apr. 24, 1923.

CLASS 15.

Candles. Glistridis, Frosso & Co. 170,766; July 24; Serial No. 177,183; published Apr. 24, 1923.

Gasoline and naphtha. Standard Oil Company of New York. 170,736; July 24; Serial No. 169,934; published May 15, 1923.

Oils and greases, automobile fuel oils, cutting oils for treating metals, Lubricating. Oil and Chemical Corporation. 170,714; July 24; Serial No. 138,722; published Apr. 24, 1923.

CLASS 16.

Automobile bodies, Polishing compound for. J. H. Laidlaw. 170,711; July 24; Serial No. 149,592; published Apr. 24, 1923.

Carbon black. G. L. Cabot. 170,771; July 24; Serial No. 176,070; published Apr. 24, 1923.

Carbon black. Godfrey L. Cabot, Inc. 170,757; July 24; Serial No. 176,071; published Apr. 24, 1923.

Carbon black. Godfrey L. Cabot, Inc. 170,778; July 24; Serial No. 176,067; published Apr. 24, 1923.

Carbon black. Godfrey L. Cabot, Inc. 170,779; July 24; Serial No. 176,069; published Apr. 24, 1923.

Lacquer compositions. W. H. Scheel. 170,790; July 24; Serial No. 175,326; published Apr. 24, 1923.

Paint coatings, bituminous paints, etc. Anticorrosive protective and waterproof. Hill-Hubbell and Company. 170,881; July 24; Serial No. 157,426; published Mar. 20, 1923.

Paint, varnish, and the like, Composition for the removal of. P. R. K. Chemical Co. 170,930; July 24; Serial No. 162,765; published Oct. 31, 1922.

Paints. American Marine Paint Company. 170,784; July 24; Serial No. 174,987; published Apr. 24, 1923.

Paints, Liquid and paste. Pittsburgh Plate Glass Company. 170,768; July 24; Serial No. 177,451; published Apr. 24, 1923.

Paints, varnishes, and oils. N. V. Vernis-en Verffabriek v. h. J. Wagemakers & Zonen. 170,733; July 24; Serial No. 172,391; published Apr. 24, 1923.

Polish. J. Jenen. 170,738; July 24; Serial No. 174,142; published Apr. 24, 1923.

Polish, Furniture. W. T. Grant Company. 170,760; July 24; Serial No. 176,405; published Apr. 24, 1923.

Polishes for furniture, automobiles, etc. Olson Brothers Company. 170,721; July 24; Serial No. 173,203; published Apr. 24, 1923.

Varnish. Milwaukee Paint & Varnish Works. 170,944; July 24; Serial No. 168,328; published Apr. 24, 1923.

Varnishes. Berry Brothers. 170,770; July 24; Serial No. 177,647; published Apr. 24, 1923.

CLASS 21.

Air circuit breakers, switches, coils, etc. Condit Electrical Manufacturing Company. 170,955; July 24.

Batteries and parts thereof, Storage. Willard Storage Battery Company. 170,915; July 24; Serial No. 166,757; published Apr. 24, 1923.

Cars and tractors, Timers for Ford. E. D. Hodge Tool and Manufacturing Company. 170,962; July 24.

Wire, Insulated. Detroit Insulated Wire Company. 170,969; July 24.

Wireless receiving sets, Radio detector crystals used in. E. Reese. 170,958; July 24.

CLASS 23.

Automobiles, Combined pump and fan attachment for S & G Manufacturing Company. 170,825; July 24; Serial No. 170,508; published Apr. 24, 1923.

Pocketknives. Winchester Repeating Arms Co. 170,780; July 24; Serial No. 175,693; published May 29, 1923.

CLASS 26.

Picture-projection apparatus, motion-picture-projecting machines, etc., Advertising motion-. A. Price. 170,941; July 24; Serial No. 168,691; published Apr. 24, 1923.

Pictures, Motion. Associated Exhibitors Inc. 170,776; July 24; Serial No. 175,759; published Apr. 24, 1923.

CLASS 28.

Chains for personal adornment. Forstner Chain Corporation. 170,715; July 24; Serial No. 139,118; published Apr. 24, 1923.

Jewelry. L. Reubenstone. 170,937; July 24; Serial No. 169,423; published Apr. 24, 1923.

Pearls, Artificial. Cape Cod United Products Co. 170,961; July 24.

CLASS 29.

Brushes, mops, dusters. J. Meerse. 170,983; July 24.

Powder puffs. S. Glemby's Sons Co. 170,973; July 24.

CLASS 34.

Boiler and heater, Combined. American Radiator Company. 170,704; July 24; Serial No. 154,073; published Apr. 24, 1923.

Generators for producing gas, gas cartridges, and parts thereof, etc. Thermalene Gas Corporation. 170,821; July 24; Serial No. 171,823; published Apr. 24, 1923.

Registers for heating purposes. Rock Island Register Company. 170,923; July 24; Serial No. 165,157; published Apr. 24, 1923.

CLASS 36.

Phonograph accessories. F. R. Witman. 170,817; July 24; Serial No. 170,964; published Apr. 24, 1923.

Phonograph records. Sears, Roebuck and Company. 170,708; July 24; Serial No. 140,072; published Apr. 24, 1923.

Piano-player actions. King Player Action Company. 170,734; July 24; Serial No. 172,420; published Apr. 24, 1923.

Pianos and player pianos. Cable-Nelson Piano Company. 170,960; July 24.

Pianos, player pianos, etc. Wellsmore & Co. 170,959; July 24.

CLASS 37.

Paper for printing and writing, Sheet. Tribune Company. 170,879; July 24; Serial No. 157,592; published July 18, 1922.

CLASS 39.

Boots and shoes. V. K. & A. H. Jones & Thomas Co. 170,737; July 24; Serial No. 173,357; published Apr. 24, 1923.

Boots, shoes and slippers. Alfred Hale Rubber Company. 170,716; July 24; Serial No. 173,314; published Apr. 24, 1923.

Brassieres. Benjamin & Johnes. 170,826; July 24; Serial No. 170,861; published Apr. 24, 1923.

Caps. Bamberger Reinthal Company. 170,722; July 24; Serial No. 173,459; published June 5, 1923.

Corsets, brassieres, corset covers, waists, and underwear. Kops Bros. 170,946; July 24; Serial No. 167,987; published Apr. 24, 1923.

Corsets, girdles, bandeaux, and brassieres. Owego Corset Company. 170,727; July 24; Serial No. 172,899; published Apr. 24, 1923.

Hats. Knox Hat Company. 170,820; July 24; Serial No. 171,806; published Apr. 24, 1923.

Hats and caps, Men's and boys'. Charles S. Merton & Co. 170,748; July 24; Serial No. 173,778; published Apr. 24, 1923.

Hats, Men's. Hutt & Wasserman, Inc. 170,726; July 24; Serial No. 172,837; published Apr. 24, 1923.

Hats, Men's winter. Parker-Bridget Company. 170,730; July 24; Serial No. 172,238; published Apr. 24, 1923.

Heels, Shoe. C. H. Coulson. 170,731; July 24; Serial No. 172,262; published Apr. 24, 1923.

Hose supporters, garters, belts, etc. Calhoun, Robbins & Co. 170,729; July 24; Serial No. 172,201; published Apr. 24, 1923.

Rubber boots and shoes, rubber overshoes, etc. Hood Rubber Company. 170,759; July 24; Serial No. 176,344; published Apr. 24, 1923.

Sandals of leather and textile material, Women's. H. E. Adams. 170,762-5; July 24; Serial Nos. 176,705-8; published Apr. 24, 1923.

Shirts, trousers, and jackets, Women's. M. Phillips. 170,880; July 24; Serial No. 157,581; published Apr. 24, 1923.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

Shoes. Hurley Shoe Co. 170,940; July 24; Serial No. 168,844; published Apr. 24, 1923.
 Shoes. London Shoe Co. 170,717; July 24; Serial No. 172,948; published Apr. 24, 1923.
 Shoes. Vaughan-Towle Co. 170,758; July 24; Serial No. 176,300; published Apr. 24, 1923.
 Shoes, Leather. John Meier Shoe Company. 170,875; July 24; Serial No. 158,722; published Apr. 24, 1923.
 Shoes, Leather. Menihan Company. 170,874; July 24; Serial No. 158,787; published Apr. 24, 1923.
 Shoes, Leather. Menihan Company, The. 170,885; July 24; Serial No. 158,788; published Apr. 24, 1923.
 Shoes, Women's. Craddock Terry Company. 170,728; July 24; Serial No. 171,906; published Apr. 24, 1923.

CLASS 42.

Cotton piece goods. Cohn Hall Marx Co. 170,788; July 24; Serial No. 175,302; published Apr. 24, 1923.
 Cotton piece goods. Hunter Manufacturing & Commission Co. 170,789; July 24; Serial No. 175,314; published Apr. 24, 1923.
 Cotton pile cloth in the piece. John S. Boyd Company. 170,878; July 24; Serial No. 157,827; published May 1, 1923.
 Curtains and nets or curtain lace in piece goods, Lace. John Bromley & Sons, Incorporated. 170,975; July 24.
 Hair nets, nettings, veillings, and veils. Gottschalk, Steinberg & Co. 170,890; July 24; Serial No. 160,286; published Sept. 5, 1922.
 Jute bagging. Ludlow Manufacturing Associates. 170,981; July 24.
 Ribbons. Wertheimer Brothers. 170,777; July 24; Serial No. 176,052; published Apr. 24, 1923.
 Rugs. Textile. Kent-Costikyan Trading Company Inc. 170,774; July 24; Serial No. 175,661; published Apr. 24, 1923.
 Sheets and pillow cases. Ely & Walker Dry Goods Company. 170,702; July 24; Serial No. 150,141; published Nov. 8, 1921.
 Shirts and percales, Printed. Everett, Heaney & Co. Inc. 170,952; July 24; Serial No. 166,823; published Apr. 24, 1923.
 Shirts and percales, Printed. Everett, Heaney & Co. Inc. 170,953; July 24; Serial No. 166,820; published Apr. 24, 1923.
 Silk, cotton, etc., piece goods. Travis, Romaine & Jellé, Inc. 170,742; July 24; Serial No. 174,545; published Apr. 24, 1923.

CLASS 43.

Threads and yarns, Artificial-silk. Fabrique de Soie Artificielle de Tubize. Societe Anonyme. 170,908; July 24; Serial No. 154,406; published Feb. 20, 1923.
 Yarns, Cotton. N. Erlanger, Blumgart & Co. 170,970; July 24.

CLASS 44.

Arch supports. Francis Rogers & Sons. 170,723; July 24; Serial No. 172,557; published Apr. 24, 1923.
 Toothbrush sterilizers. W. E. Barnard. 170,887; July 24; Serial No. 160,747; published Apr. 24, 1923.

CLASS 46.

Apples, Fresh. Elk Mountain Orchard Co. 170,917; July 24; Serial No. 166,356; published Apr. 24, 1923.
 Bacon. Beech-Nut Packing Company. 170,929; July 24; Serial No. 162,798; published Apr. 24, 1923.
 Biscuits. J. S. Ivins' Son, Inc. 170,976; July 24.
 Biscuits, Bran. Spongette Pure Food Company. 170,867; July 24; Serial No. 166,909; published Mar. 27, 1923.
 Bread. Bixler Baking Company. 170,934; July 24; Serial No. 169,615; published Feb. 19, 1923.
 Bread. L. B. Fellner. 170,804; July 24; Serial No. 169,579; published Apr. 3, 1923.
 Bread. Harfinger Baking Co. 170,957; July 24.
 Bread. Old Homestead Bread Company. 170,838; July 24; Serial No. 159,978; published Apr. 3, 1923.
 Bread. Schulze Baking Company. 170,974; July 24.
 Bread. Tip Top Baking Co. 170,808; July 24; Serial No. 171,558; published Mar. 13, 1923.
 Bread. Ward Baking Company. 170,794; July 24; Serial No. 169,794; published Feb. 27, 1923.
 Bread. Ward Baking Company. 170,799; July 24; Serial No. 169,382; published Feb. 27, 1923.
 Bread. Ward Baking Company. 170,801; July 24; Serial No. 169,384; published Mar. 27, 1923.
 Bread. Ward Baking Company. 170,895; July 24; Serial No. 171,435; published Mar. 13, 1923.
 Bread. Ward Baking Company. 170,938; July 24; Serial No. 169,385; published Feb. 27, 1923.
 Bread. Warners Whole Wheat Bread Inc. 170,951; July 24; Serial No. 166,863; published Feb. 20, 1923.
 Bread and doughnuts. A. J. Pecker. 170,837; July 24; Serial No. 161,022; published Mar. 27, 1923.
 Bread, cakes, and cereal breakfast foods. Ward Baking Company. 170,800; July 24; Serial No. 169,383; published Mar. 27, 1923.
 Butter. Beatrice Creamery Company. 170,956; July 24.
 Butter. Iola Creamery Company. 170,809; July 24; Serial No. 171,759; published Mar. 13, 1923.
 Butter. Mooresville Co. Operative Creamery Co. 170,897; July 24; Serial No. 171,280; published Mar. 13, 1923.
 Butter, cheese, eggs, and sausage. Swift and Company. 170,926; July 24; Serial No. 163,186; published Mar. 20, 1923.

Butter, dried beans, bread, etc. H. P. Hood & Sons, Inc. 170,911; July 24; Serial No. 146,216; published Apr. 3, 1923.
 Butter, eggs, cheese, lard, etc. Vermont Creamery Incorporated. 170,871; July 24; Serial No. 165,903; published Mar. 27, 1923.
 Cake. Hirz Bros. 170,966; July 24.
 Cake and pastry mixture. S. W. Noggle. 170,805; July 24; Serial No. 169,773; published Feb. 27, 1923.
 Cake mix. Hirsch Brothers Co. 170,899; July 24; Serial No. 171,081; published Mar. 13, 1923.
 Cakes. Cushman's Sons, Inc. 170,896; July 24; Serial No. 171,415; published Mar. 13, 1923.
 Cakes. Ward Baking Company. 170,894; July 24; Serial No. 171,437; published Mar. 13, 1923.
 Candies. D. Auerbach and Sons. 170,747; July 24; Serial No. 173,737; published Apr. 24, 1923.
 Candy. U. R. S. Candy Stores, Inc. 170,840; July 24; Serial No. 161,072; published Dec. 26, 1922.
 Candy, peanut butter, peanut-butter sandwich, shelled and salted peanuts, etc. Lance Packing Co. 170,701; July 24; Serial No. 156,644; published Mar. 20, 1923.
 Canned and dried fruits and canned vegetables. Umpqua Valley Canning Company. 170,989; July 24.
 Canned fruits. Gro. E. Hyde & Co. Inc. 170,943; July 24; Serial No. 168,413; published Apr. 24, 1923.
 Canned fruits and vegetables. Filice & Perrelli Canning Co. 170,963; July 24.
 Canned fruits and vegetables. Griffith-Durney Co. 170,831; July 24; Serial No. 170,016; published May 8, 1923.
 Canned fruits and vegetables, olives, olive oil. California Growers Association, Inc. 170,910; July 24; Serial No. 148,579; published Nov. 29, 1921.
 Canned salmon. Sea Coast Packing Co. 170,965; July 24.
 Canned sauerkraut. Castle Company. 170,823; July 24; Serial No. 170,273; published May 8, 1923.
 Cantaloupes. Dawson-Edwards Company. 170,893; July 24; Serial No. 160,876; published Apr. 24, 1923.
 Caramels. Borden Company. 170,987; July 24.
 Cereal, Breakfast. W. B. Pink. 170,796; July 24; Serial No. 169,968; published Feb. 27, 1923.
 Cereal, Breakfast. H. F. Paetsch. 170,864; July 24; Serial No. 167,486; published Mar. 20, 1923.
 Cereal, Breakfast. Parched Wheat Co. 170,967; July 24.
 Cereals. Kevil Cereal Company. 170,803; July 24; Serial No. 169,550; published Feb. 27, 1923.
 Cereals, Breakfast. F. C. Gillitt. 170,876; July 24; Serial No. 158,309; published Mar. 20, 1923.
 Cheese. F. X. Baumert & Co. 170,827; July 24; Serial No. 169,746; published Feb. 27, 1923.
 Cheese. Holland Food Corporation. 170,862; July 24; Serial No. 167,617; published Mar. 20, 1923.
 Cheese. A. Huss. 170,850; July 24; Serial No. 163,873; published Mar. 20, 1923.
 Cheese. Macleay Estate Co. 170,856; July 24; Serial No. 168,772; published Mar. 20, 1923.
 Cheese and mince-meat. C. Perceval. 170,828; July 24; Serial No. 169,820; published Feb. 27, 1923.
 Cheese, Swiss. Alpina Cheese Co. 170,822; July 24; Serial No. 170,113; published Mar. 20, 1923.
 Cheese, Swiss. Alpina Cheese Co. 170,834; July 24; Serial No. 170,110; published Mar. 20, 1923.
 Cheeses. C. Perceval. 170,795; July 24; Serial No. 169,821; published Feb. 27, 1923.
 Chocolates. Great Atlantic and Pacific Tea Company. 170,754; July 24; Serial No. 173,417; published Apr. 24, 1923.
 Chocolates and candies. E. Greenfield's Sons. 170,824; July 24; Serial No. 170,380; published Apr. 24, 1923.
 Cracker products, crackers, cakes, and Dutch-style cookies. W. R. Montague Company. 170,797; July 24; Serial No. 170,076; published Apr. 3, 1923.
 Crackers. E. J. Adler. 170,906; July 24; Serial No. 156,345; published Mar. 27, 1923.
 Cocoa, tea, and rice. Old Dutch Mills, Inc. 170,792; July 24; Serial No. 170,594; published Mar. 13, 1923.
 Coffee. Dwinell-Wright Company. 170,707; July 24; Serial No. 154,793; published May 1, 1923.
 Coffee. J. S. Elliott Coffee Company. 170,886; July 24; Serial No. 159,746; published May 8, 1923.
 Coffee, tea, spices, flavoring extracts. Olson Coffee Co. 170,859; July 24; Serial No. 168,546; published Apr. 17, 1923.
 Confections, Frozen. Elite Confectionery Co. 170,868; July 24; Serial No. 166,664; published Jan. 16, 1923.
 Confections, Frozen. Elite Confectionery Co. 170,869; July 24; Serial No. 166,663; published Jan. 23, 1923.
 Corn flakes. Favorite Cereals Company. 170,832; July 24; Serial No. 170,058; published Feb. 27, 1923.
 Corn flakes. Postum Cereal Company. 170,853; July 24; Serial No. 163,763; published Feb. 13, 1923.
 Dairy products. F. A. Hoffman Co. 170,852; July 24; Serial No. 163,798; published Mar. 27, 1923.
 Eggs. White Arrow Farms. 170,933; July 24; Serial No. 161,398; published Mar. 27, 1923.
 Eggs and live poultry. E. R. Wells. 170,925; July 21; Serial No. 163,607; published Mar. 20, 1923.
 Extracts, Flavoring. C. C. Foster. 170,945; July 24; Serial No. 168,027; published Mar. 20, 1923.
 Feed and wheat flour, Stock, dairy, poultry, etc. Whyte Commission Company. 170,813; July 24; Serial No. 169,107; published Mar. 27, 1923.

- Feed, Dairy. American Milling Company. 170,851; July 24; Serial No. 163,848; published Apr. 3, 1923.
- Feed, Horse and mule. Nowak Milling Corporation. 170,904; July 24; Serial No. 170,780; published Mar. 13, 1923.
- Feed, Mixed grade of mill. Midland Flour Milling Co. 170,814; July 24; Serial No. 169,369; published Feb. 27, 1923.
- Feed, Poultry. Southern Oil & Feed Mills, Inc. 170,996; July 24.
- Feed, Stock and poultry. Miller-McConnel Grain Co. 170,870; July 24; Serial No. 166,465; published Mar. 20, 1923.
- Feed, Stock and poultry. Omaha Alfalfa Milling Company. 170,942; July 24; Serial No. 168,429; published Mar. 20, 1923.
- Feed, Stock, dairy and poultry. Whyte Commission Company. 170,939; July 24; Serial No. 169,110; published Mar. 20, 1923.
- Feeds, Poultry. H-O Cereal Company. 170,855; July 24; Serial No. 168,968; published Mar. 20, 1923.
- Flour. United States Flour Mills Company. 170,866; July 24; Serial No. 167,436; published Mar. 20, 1923.
- Flour and breakfast cereal. H-O Cereal Company. 170,697; July 24; Serial No. 155,560; published Mar. 20, 1923.
- Flour and corn meal. Fairchild Milling Company. 170,972; July 24.
- Flour and corn meal, wheat and Graham. Boonville Mills Company. 170,845; July 24; Serial No. 162,912; published Mar. 20, 1923.
- Flour, Hard-wheat, soft-wheat, and self-rising. United States Flour Mills Company. 170,865; July 24; Serial No. 167,437; published Mar. 20, 1923.
- Flour made from cereals. Wheat. J. W. Russell. 170,849; July 24; Serial No. 164,116; published Mar. 20, 1923.
- Flour, Prepared wheat. Ballard & Ballard Company. 170,884; July 24; Serial No. 159,079; published Mar. 20, 1923.
- Flour, Self-rising. Ballard & Ballard Company. 170,882; July 24; Serial No. 157,295; published Mar. 20, 1923.
- Flour, Self-rising. Sauers Milling Company. 170,891; July 24; Serial No. 160,210; published Mar. 20, 1923.
- Flour, Self-rising wheat. Ballard & Ballard Co. 170,705; July 24; Serial No. 154,075; published Mar. 20, 1923.
- Flour, Self-rising wheat. Ballard & Ballard Company. 170,883; July 24; Serial No. 159,080; published Mar. 20, 1923.
- Flour, Self-rising wheat. S. R. Yantis Milling Co. 170,811; July 24; Serial No. 169,042; published Mar. 20, 1923.
- Flour, Wheat. Accas Brothers. 170,936; July 24; Serial No. 169,470; published Feb. 27, 1923.
- Flour, Wheat. Accas Brothers. 170,964; July 24.
- Flour, Wheat. J. S. Black. 170,812; July 24; Serial No. 169,048; published Mar. 27, 1923.
- Flour, Wheat. Colorado Milling & Elevator Co. 170,844; July 24; Serial No. 163,258; published Mar. 27, 1923.
- Flour, Wheat. Hanson Milling Company. 170,839; July 24; Serial No. 161,881; published Apr. 3, 1923.
- Flour, Wheat. Larabee Flour Mills Corporation. 170,807; July 24; Serial No. 171,502; published Mar. 13, 1923.
- Flour, Wheat. Larabee Flour Mills Corporation. The. 170,841; July 24; Serial No. 162,426; published Mar. 20, 1923.
- Flour, Wheat. Larabee Flour Mills Corporation. 170,931-2; July 24; Serial Nos. 162,427-8; published Mar. 20, 1923.
- Flour, Wheat. Lawrenceburg Roller Mills Co. 170,791; July 24; Serial No. 170,774; published Mar. 13, 1923.
- Flour, Wheat. Louisville Milling Company. 170,916; July 24; Serial No. 166,695; published Mar. 20, 1923.
- Flour, Wheat. Modern Flour Mills. 170,935; July 24; Serial No. 169,601; published Feb. 27, 1923.
- Flour, Wheat. Morrow Milling Company. 170,905; July 24; Serial No. 156,914; published Mar. 27, 1923.
- Flour, Wheat. Noblesville Milling Co. 170,863; July 24; Serial No. 167,531; published Mar. 20, 1923.
- Flour, Wheat. Pfeffer Milling Company. 170,833; July 24; Serial No. 170,080; published Feb. 27, 1923.
- Flour, Wheat. Rugby Milling Company. 170,842; July 24; Serial No. 162,055; published Mar. 20, 1923.
- Flour, Wheat. Sands, Taylor & Wood Co. 170,857; July 24; Serial No. 168,556; published Mar. 20, 1923.
- Flour, Wheat. Sands, Taylor & Wood Co. 170,858; July 24; Serial No. 168,555; published Mar. 20, 1923.
- Flour, Wheat. Thompson Milling Co. 170,888; July 24; Serial No. 160,727; published Mar. 20, 1923.
- Flour, Wheat. Wabasha Roller Mill Company. 170,806; July 24; Serial No. 169,793; published Feb. 27, 1923.
- Flour, Wheat. Washburn-Crosby Company. 170,793; July 24; Serial No. 170,513; published Mar. 13, 1923.
- Flour, Wheat. Frank C. Williams, Inc. 170,949; July 24; Serial No. 167,277; published Apr. 3, 1923.
- Food, Bird. C. C. Morse and Co. 170,810; July 24; Serial No. 171,943; published Mar. 20, 1923.
- Food, Birds'. James Butler Grocery Company. 170,843; July 24; Serial No. 163,430; published Apr. 3, 1923.
- Food, Cereal breakfast. Kellogg Toasted Corn Flake Co. 170,696; July 24; Serial No. 156,905; published Mar. 20, 1923.
- Food, egg mash, and chick mash. Hen and chick. Bowman Bros. Seed Co. 170,835; July 24; Serial No. 162,658; published Mar. 20, 1923.
- Food for cattle, horses, sheep, pigs, and poultry. Algin Company. 170,854; July 24; Serial No. 163,661; published Mar. 20, 1923.
- Food, Stock. C. Winslow. 170,889; July 24; Serial No. 160,376; published Mar. 20, 1923.
- Foods and food products, Cooked, uncooked, fresh, canned, compressed, etc. McKay-Manning, Incorporated. 170,914; July 24; Serial No. 166,783; published Mar. 20, 1923.
- Foods, Cereal breakfast. Six In One Cereal Co. 170,877; July 24; Serial No. 157,903; published Mar. 20, 1923.
- Fruits and ice cream, Frozen. W. A. Davis. 170,861; July 24; Serial No. 167,767; published Apr. 24, 1923.
- Ice cream. City Dairy and Ice Cream Co. 170,846; July 24; Serial No. 165,229; published Mar. 20, 1923.
- Ice cream. E. G. Woolsey. 170,982; July 24.
- Ice cream and butter. Carolina Creamery Co. 170,710; July 24; Serial No. 149,504; published Mar. 20, 1923.
- Jams, vegetable soup, etc., Dehydrated apricot and peach. Caladero Products Company. 170,848; July 24; Serial No. 164,695; published Mar. 27, 1923.
- Maple cream, sirup, sugar, and honey, sauce for ice cream. Maple Grove Candies, Inc. 170,706; July 24; Serial No. 154,522; published Apr. 17, 1923.
- Mayonnaise dressing. C. Wilkens Company. 170,913; July 24; Serial No. 138,247; published Dec. 12, 1922.
- Meat seasonings. Wolf, Sayer & Heller, Inc. 170,993; July 24.
- Meats, Smoked. Virden Packing Company. 170,709; July 24; Serial No. 142,184; published May 8, 1923.
- Milk. Natoma Farm. 170,978; July 24.
- Milk and a powder containing cocoa, sugar and skimmed milk. Powdered. Empire Food Products Company. 170,909; July 24; Serial No. 151,358; published Apr. 3, 1923.
- Milk, Powdered. International Dry Milk Co. 170,698-700; July 24; Serial Nos. 155,689-91; published Apr. 24, 1923.
- Nut food, Prepared. Battle Creek Food Company. 170,860; July 24; Serial No. 168,509; published Mar. 27, 1923.
- Oil, caraway and celery seeds, cocoa butter, etc., Olive. Sun Drug Company. 170,912; July 24; Serial No. 139,632; published Apr. 3, 1923.
- Oil, Olive. Mailliard & Schmiedell. 170,872; July 24; Serial No. 165,801; published Apr. 24, 1923.
- Oil, Olive. Mailliard & Schmiedell. 170,922; July 24; Serial No. 165,802; published Apr. 24, 1923.
- Oil, Olive. R. Martorelli. 170,703; July 24; Serial No. 152,269; published May 9, 1922.
- Oil, Olive. F. Romeo & Co. 170,979; July 24.
- Oleomargarine. Morris & Company. 170,798; July 24; Serial No. 170,443; published Mar. 13, 1923.
- Pastes, Alimentary. Seattle Macaroni Mfg. Co. 170,988; July 24.
- Pastries. Py-Et Company. 170,802; July 24; Serial No. 169,456; published Feb. 27, 1923.
- Pastry and cakes and macaroon tarts. Victoria Pastry Co. 170,836; July 24; Serial No. 157,457; published Mar. 27, 1923.
- Peanuts and salted almonds, Salted. H. D. Sawkins. 170,746; July 24; Serial No. 173,580; published Apr. 24, 1923.
- Pies. J. Kalt, jr. 170,947; July 24; Serial No. 167,918; published Mar. 20, 1923.
- Pretzels. T. A. Myers. 170,873; July 24; Serial No. 165,502; published Apr. 3, 1923.
- Salad dressing, vinegar, canned fruits, vegetables, etc. Higgins-Babcock-Hurd Company. 170,847; July 24; Serial No. 165,134; published Mar. 27, 1923.
- Sardines, Canned and salted anchovies, etc., Dry pressed and salted. San Xavier Fish Packing Company. 170,971; July 24.
- Sirup, Cane and maple-sugar. New England Brewing Company. 170,907; July 24; Serial No. 155,768; published June 6, 1922.
- Soyer, Curd meat from the. Y. Kin. 170,712; July 24; Serial No. 131,177; published Apr. 24, 1923.
- Sugar. A. E. Staley Manufacturing Company. 170,901-3; July 24; Serial No. 170,796-8; published Mar. 13, 1923.
- Sugar product. Ward Baking Company. 170,900; July 24; Serial No. 170,961; published Mar. 13, 1923.
- Sugar product used as an ingredient in the manufacture of bread, cake, etc. Ward Baking Company. 170,816; July 24; Serial No. 170,960; published Mar. 13, 1923.
- Tonic and food for feathered pets. W. Hoffmann. 170,898; July 24; Serial No. 171,217; published Mar. 13, 1923.
- Vegetables, Fresh. Meyer Bros. 170,924; July 24; Serial No. 164,334; published Apr. 24, 1923.
- Wafers and crackers. Century Biscuit Co. 170,918; July 24; Serial No. 166,350; published Mar. 20, 1923.
- Watermelons. Texas Farm Bureau Melon Growers' Exchange. 170,950; July 24; Serial No. 167,152; published Apr. 24, 1923.
- CLASS 50.
- Bungs. United States Bung Mfg. Co. 170,928; July 24; Serial No. 162,909; published Apr. 24, 1923.

ALPHABETICAL LIST OF LABELS.

Calcum Makes Puppies Grow Strong And Healthy. For a Medicinal Preparation for Dogs. R. W. McRoberts. 26,255; July 24.
Copley, The Store For Men A Separate Store In A Separate Building. For Men's Overcoats. Jordan Marsh Company. 26,250; July 21.
Copley, The Store For Men A Separate Store In A Separate Building. For Men's Coats. Jordan Marsh Company. 26,251; July 24.
Kewpie. For Toilet Paper. Wortendyke Mfg. Co. 26,263; July 24.
King's Castle. For Wheat Flour. H. H. King Flour Mills Company. 26,252; July 24.
Krank's Lemon Facial Pack. For a Skin Treatment and Beautifier. A. J. Krank. 26,253; July 24.
Pepper Sauce. For West Indian Pepper Sauce. E. Murdock. 26,256; July 24.

Perspero. For a Composition of Matter Used for the Toilet. M. W. Levkowitz. 26,254; July 24.
Real Silk Guaranteed Hosiery. For Hosiery. Real Silk Hosiery Mills. 26,258-9; July 24.
Robin Hood. For Bread. Saniwax Paper Co. 26,262; July 24.
Rowles Red Pepper Rub. For Cartons or Boxes Inclosing or Containing the Compound Described Therein. J. F. Murray. 26,257; July 24.
Sandhill. For Peaches. Sandhill Fruit Growers Association. 26,261; July 24.
Société. For Knitted Cravats. Holland Knitting Co. 26,249; July 24.
Use C. W. Robb's Very Best Paints. For Packages and Barrels of Paint. C. W. Robb. 26,260; July 24.

ALPHABETICAL LIST OF PRINTS.

Aracoma. For Draperies and Other Silk Fabrics. Aracoma Textile Company. 6,830; July 24.
Aristokrat Kut. For Fancy Cut Spectacle and Eyeglass Lenses. W. B. Georgia. 6,832; July 24.
Battery Service By The Year. For Electric Storage Batteries. H. E. Watson. 6,834; July 24.
Grape Nuts Window Trim. For Grape Nuts. Postum Cereal Company. 6,833; July 24.

Peace And Plenty. For Wheat Breakfast Food. Cream of Wheat Co. 6,831; July 24.
Venus Thin Leads. For Pencils. American Lead Pencil Co. 6,829; July 24.
Wilder's Lion. For Half Soles and Strips. Wilder & Company. 6,835; July 24.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Logs and rough lumber. Dudley Lumber Company. 178,598; July 24.

CLASS 2.

Receptacles insulated, Food. New Standard Corporation. 179,162; July 24.
Rouge and powder compact package. Lazell Perfumer. 170,300; July 24.

CLASS 4.

Cleanser for false teeth. San-O-Dent Company. 174,865; July 24.
Detergent in the nature of a water softener and soap. Axco Chemical Co. 180,957; July 24.
Lime polishing compositions. A. P. Munning & Co. 179,214; July 24.
Polish, Gold and silver. A. N. Sanderson. 180,083; July 24.
Preparation for cleaning artificial dentures. Holland Specialty Company. 174,617; July 24.
Soap. Lever Brothers Company. 180,610; July 24.
Soap. Susanna Cocroft Laboratories Inc. 180,751; July 24.
Soap. A. F. Wasserman. 179,574; July 24.
Soap and scouring compounds. Bonded Products Corporation. 180,206; July 24.
Soap and soap flakes. Prouty Bowler Soap Co. 178,771; July 24.
Soap, Bath. Fred A. Wish, Incorporated. 180,639; July 24.
Soaps. Lightfoot Schultz Company. 179,108; July 24.
Soaps, cleaning and scouring powder. Commonwealth Color and Chemical Co. 179,358; July 24.
Soaps, liquids, powders, pastes, for cleaning, and a metal-polishing preparation. Tetralin-Gesellschaft mit beschränkter Haftung. 142,046; July 24.
Washing compound. Justa Mfg. Co. 181,125; July 24.
Washing powder. H. Kohnstamm & Co. 180,375; July 24.

CLASS 6.

Battery solution. Camel Chemical Co. 178,821-2; July 24.
Chemical preparation. A. P. Kottler. 178,928; July 24.
Cod-liver oil. J. Didrichsen. 175,715; July 24.
Cream and face powder, deodorant, etc. Combination cold. Atlanta Barbers Supply Company. 176,592; July 24.
Cream, Reducing. Camilla Preparations, Inc. 178,893; Hemostatic preparations. V. Baldacci. 170,588; July 24.
Laxatives. R. Myers. 175,675; July 24.
Lotion for the skin. W. P. Hayhurst. 175,311; July 24.

Lotion for the skin. F. H. Shoemaker. 173,445; July 24.
Medical preparation for coughs, colds, etc. C. R. Rostine. 175,569; July 24.
Medicated preparation for liver ailments. Scott and Turner, Limited. 178,874; July 24.
Medicinal compound containing acetylsalicylic acid. H. C. Fleming. 178,834; July 24.
Pills and tablets for regulating menstrual functions. J. Rubsam Co. 169,138; July 24.
Pills, Liver. P. M. Moomaw. 177,097; July 24.
Powder, hair straightener, liniment, etc., Face. Indian Star Chemical Co. 175,356; July 24.
Preparation for keeping curl in hair, Liquid. Le Roye, Ltd. 179,541; July 24.
Preparation for the prevention and treatment of sunburn. Abbott Laboratories. 179,914; July 24.
Preparation for the treatment of tuberculosis. J. Tramsak. 177,026; July 24.
Tablets, lotions, silver-nitrate sticks, capsicum plasters, powders, etc. C. M. Owen. 178,277; July 24.

CLASS 8.

Cigarette paper. R. J. Reynolds Tobacco Company. 181,349; July 24.

CLASS 11.

Inks, blacks, etc. Sigmund Ullman Company. 156,473; July 24.
Inks, Printing. Commonwealth Color & Chemical Co. 179,357; July 24.
Inks, Printing. Lewis Roberts, Inc. 189,629; July 24.

CLASS 13.

Curtain rods, Metal. Turner & Seymour Manufacturing Company. 180,156; July 24.
Household and kitchen utensils made of aluminum. C. Coisman. 165,528; July 24.
Nails, rivets, brackets, etc., Eaves-trough. F. O. Schoedinger. 172,184; July 24.
Pipe and vent fittings, traps, etc. Acheson Manufacturing Company. 163,211; July 24.
Screens and strainers, Well. J. H. McEvoy. 175,564-5; July 24.
Springs and coil springs, seamless steel tubing. Sandvikens Jernverks Aktiebolag. 178,572; July 24.
Tire chains. Columbus McKinnon Chain Company. 179,031; July 24.
Valves for pipe lines and the like, Metal. Detroit Lubricator Company. 179,929; July 24.
Water regulators and pump governors, Feed-. Northern Equipment Company. 178,625; July 24.

CLASSIFIED LIST OF TRADE-MARK TITLES.

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PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 14.

Castings, Copper-nickel-alloy. Manning, Maxwell & Moore, Inc. 177,565; July 24.

CLASS 15.

Fuels, Motor. F. J. Abbott. 180,404; July 24.
Gasoline. H. D. Burroughs. 170,751; July 24.
Oils, Lubricating. Wolverine Lubricants Co. of New York. 179,504; July 24.

CLASS 16.

Bronze powders and bronzing liquids. United States Bronze Powder Works, Inc. 176,230-1; July 24.
Polish for restoring the polish of musical instruments. J. Nicomede. 169,317; July 24.

CLASS 19.

Luggage carriers, shock absorbers, combined fender braces and bumpers. Marquette Manufacturing Company. 176,561; July 24.

CLASS 21.

Batteries and parts, Lead storage. General Lead Batteries Company. 161,992; July 24.
Electric-lighting fixtures, also complete electric-lighting fixtures, Metal parts and fixtures for. B & L Metal Stamping Co. 164,489; July 24.
Electrical switches. Hart & Hegeman Manufacturing Company. 161,728; July 24.
Lamp fixtures, motors, and fans, Electric. National Screw and Manufacturing Company. 179,418; July 24.
Motors, generators, and fans, Electric. Star Electric Motor Co. 152,036-7; July 24.
Radio detector and amplifier tubes. O. & T. Electric Corporation. 180,293; July 24.
Radio head sets, radiodetectors, radiocrystals, etc. L. S. Brach Manufacturing Co. 178,892; July 24.
Radio sets and coupling coils, condensers, detectors, etc. Cleveland Radio Manufacturing Company. 162,667; July 24.
Radio signaling apparatus and parts thereof. Central Radio Laboratories. 178,164; July 24.
Signs. Flexlume Corporation. 169,630; July 24.
Stoves and ranges, Electric. American Range & Foundry Company. 173,551; July 24.
Switches and resistance control parts, Electric, telephone, and amplifier control, etc. M. Klossner. 174,579; July 24.
Vehicles, Electrical stop and direction signal light systems for. T. Katagi. 145,110; July 24.
Wire and cables, Insulated. Kerite Insulated Wire & Cable Company. 178,106; July 24.

CLASS 23.

Automobile stop and direction indicators. Begley Mechanical Corporation. 144,309; July 24.
Fire extinguisher, Dry-powder tube. H. S. Cooke. 179,295; July 24.
Fire extinguishers, Hand. Fireite Extinguisher Co. 181,686; July 24.
Knife or cutting-blade handles. August Goertz & Co. 176,461; July 24.
Molding and core making machines, vibrators, etc. Pneuc Machine Company. 178,356; July 24.
Oil-well swabs, stuffing boxes, jerecki jets, wire-line sockets, and tongs. Oil Country Specialties Manufacturing Co. 174,850; July 24.
Pedal control devices, Mechanical motive. Rayward Engineering and Manufacturing Co. 179,012; July 24.
Saws, Hack. The-B-X-Saw Co. 179,843; July 24.
Shears and scissors. Atlas Shear Co. 174,281; July 24.
Soldering copers, punches, chisels, etc. F. O. Schoedinger. 172,182; July 24.
Wrenches, vises, etc. J. H. Williams & Co. 149,873; July 24.

CLASS 26.

Glass plates for etching, etc., Coated. Graphoto Company. 163,387; July 24.
Glassware, particularly gauge glass. Libbey Glass Manufacturing Co. 171,807; July 24.
Measuring outfits, Surveying linemen's. James W. Brine Company. 172,580; July 24.
Rules, dividers, etc., Steel and zigzag. F. O. Schoedinger. 172,180; July 24.
Slides and motion-picture films, Positive projection. C. V. & R. Batigne. 176,664; July 24.

CLASS 27.

Watch and clock movements and watchcases. Savoy Watch Company. 179,382; July 24.
Watch movements and watchcases. M. Goldin. 173,887; July 24.
Watches. Baird-North Company. 181,715; July 24.
Watches. A. Wittnauer Co. 181,327; July 24.
Watches and parts. F. Kaufman. 179,796; July 24.
Watches, watch movements, and parts thereof. J. Gottlieb. 179,665; July 24.

CLASS 28.

Earrings, finger rings, pendants, scarf pins, etc. L. Bes-sell. 177,266; July 24.

Jewelry. Sigler Bros. Co. 167,853; July 24.
Hollow ware. Farber Silver Corporation. 180,059; July 24.
Rings and neck chains, Finger. L. Block. 171,893; July 24.

CLASS 29.

Automobile windshield wipers. White Products Company. 144,757; July 24.
Brushes, Paint, and shaving. Marshall-Wells Company. 181,135; July 24.
Mops. W. C. Palmer. 164,069; July 24.
Mops, Dish, bottle, and pot. Chore-Utensils Corporation of America. 181,380; July 24.
Mops, mopsticks, and bathtub cleaners. J. A. Meinhardt. 180,876; July 24.

CLASS 31.

Refrigerators. Universe Corporation. 181,156; July 24.

CLASS 32.

Mattresses. Cotton Belt Manufacturing Company. 172,829; July 24.

CLASS 33.

Glass, Sheet. L. J. Houze Convex Glass Company. 181,397; July 24.

CLASS 34.

Dehydrators and parts of dehydrators. Monarch Corporation. 178,268; July 24.
Furnaces, Heating. Howard Stove & Furnace Co. 180,603; July 24.
Furnaces, Warm-air. Richardson & Boynton Co. 179,222; July 24.
Mantles, Gas and gasoline. Block Gas Mantle Company. 180,651; July 24.
Ranges, heaters, stoves, and furnaces. Marshall-Wells Company. 178,855; July 24.
Stokers, Underfed. Sanford Riley Stoker Company. 181,314; July 24.
Stoves, Summerfield Company. 178,883; July 24.
Stoves, ovens, heaters, etc. C. E. Adamson. 179,125; July 24.
Water heaters. Stack Heater Company. 155,277; July 24.

CLASS 35.

Piston rings. Richmond Piston Ring Co. 184,088; July 24.
Tires, Rubber and fabric. Brunswick-Balke-Collender Company. 177,952; July 24.

CLASS 36.

Harmonicas, Mouth. M. Hohner. 180,180; July 24.
Phonograph records. Italian Book Co. 171,803; July 24.
Phonograph records. Lincoln Record Corporation. 180,133; July 24.
Phonographs and parts thereof. Rosen & Listengart. 179,558; July 24.
Xylophones. J. C. Deegan, Inc. 180,529; July 24.

CLASS 37.

Binders and leaves therefor, Loose-leaf. United Auto-graphic Register Co. 169,993; July 24.
Books, Score. James W. Brine Company. 172,730; July 24.
Card indexes, index cards, cases, cabinets, etc. Index Visible, Inc. 148,279; July 24.
Easels for supporting advertising cards, Cardboard. New Method Die & Cut-Out Co. 181,304; July 24.
Paper, pencils, pens, etc. W. H. Johnson. 163,987; July 24.
Paper, Toilet. Diamond Mills Paper Company. 181,387; July 24.
Paper, Toilet. Northern Paper Mills. 180,717; July 24.
Paper, Uncut cigarette. Robert Fletcher & Son Limited. 180,000-1; July 24.
Paper weights and desk ornaments. A. Vos. 177,530; July 24.

CLASS 39.

Boot and shoe tips and counters. Geo. E. Keith Company. 177,675; July 24.
Brassières. Nature's Rival Company. 165,406; July 24.
Coats and suits, Ladies' and misses'. Zieser & Kling. 180,643; July 24.
Collars, cuffs, aprons, caps, bibs, uniforms, etc., Nurses'. E. W. Marvin Company. 174,845; July 24.
Garters. W. H. Johnson. 174,841; July 24.
Gloves, gauntlets, and mittens, Leather. Joseph N. Eisen-drath Company. 173,469; July 24.
Gloves, gauntlets, and mittens, Leather. Joseph N. Eisen-drath Company. 173,474; July 24.
Gloves, gauntlets, and mittens, Leather. Joseph N. Eisen-drath Company. 173,477; July 24.
Hats. J. Land. 152,428; July 24.
Hats, caps, tassels, and aprons. Military Order of The Cootie. 166,315; July 24.
Hats, for women and children. Sunman & Hewson. 177,146; July 24.
Hose, Infants'. Hub Hosiery Mills. 179,730; July 24.
Hosiery. Finery Hosiery Corporation. 177,434; July 24.
Hosiery. Gerson & Breyer. 177,374; July 24.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hosiery, sleeping garments, bibs, and aprons. Fred A. Wish, Incorporated. 180,642; July 24.
 Hosiery, Women's silk. Cohen Company. 180,271; July 24.
 Neckties. Meyer, Bacharach & Friedheim. 174,183; July 24.
 Petticoats and bloomers. Carson Pirie Scott & Company. 180,587; July 24.
 Shirts, nightgowns, and pyjamas. Carleton Dry Goods Company. 180,585; July 24.
 Shirts, pyjamas, underwear, etc. S. J. Koblenzer. 179,153; July 24.
 Suits, jackets, coats, trousers, vests, and knickerbockers, Men's. J. David. 180,591; July 24.
 Sweater coats. Cadet Knitting Company. 180,417; July 24.
 Underwaists. Warner Brothers Company. 174,045; July 24.
 Underwear, Women's and children's textile. Ida Munzer, Inc. 174,586; July 24.

CLASS 40.

Braid, Rickrack. Barash Bros., Inc. 170,269; July 24.

CLASS 42.

Cotton piece goods. Wilton Manufacturing Co. 177,536; July 24.
 Hair nets. West Electric Hair Curler Company. 179,838; July 24.
 Piece goods of wool, worsted, or hair. R. G. Maxwell & Co. 181,605; July 24.
 Sheeting, Unbleached. Consolidated Textile Corporation. 172,031; July 24.
 Textile material. Warren Products Company. 178,685; July 24.
 Upholstery, Automobile. A. Boyriven. 165,120; July 24.
 Wool pile fabric. Botany Worsted Mills. 180,358-9; July 24.
 Worsted yarn fabric. Botany Worsted Mills. 178,989; July 24.

CLASS 44.

Dental spotlights and lamps for the same. S. S. White Dental Manufacturing Company. 180,158; July 24.

CLASS 45.

Beverage powder used for making soft drinks. P. S. Hollis. 172,380; July 24.
 Sarsaparilla, ginger ale, cream soda, etc. Wm. Montgomery & Co. 179,811; July 24.

CLASS 46.

Alimentary paste products. A. Goodman & Sons, Inc. 169,543; July 24.
 Beverage, Coffee-like. Kellogg Company. 177,914; July 24.
 Bread. T. J. Fitzpatrick. 153,036; July 24.
 Butter, eggs, lard, etc. Dunlevy Packing Company. 155,668; July 24.
 Cake. Tasty Baking Company. 157,084; July 24.
 Candies. Peerless Confection Company. 169,605; July 24.
 Candy. E. A. Hoffman. 174,393; July 24.
 Candy. C. Perceval. 177,048; July 24.
 Candy. Rey-Del-Rey Candy Co. 172,044; July 24.
 Canned crab meat. Taiyo Trading Co. 176,580; July 24.
 Canned fish. Jos. Garneau Co. 175,080; July 24.

Canned fruits. Kings County Packing Co. 168,042; July 24.
 Canned fruits, berries, and vegetables. Ray-Maling Co. 175,811; July 24.
 Canned peas and tomatoes. Cincinnati Wholesale Grocery Company. 177,360; July 24.
 Cantaloupes, Fresh. A. Arena & Co. 174,763; July 24.
 Catchup, chili sauce, canned goods, etc. My Own Company. 168,935; July 24.
 Cheese. Phenix Cheese Co. 172,392; July 24.
 Cheese. M. O. Schaefer. 174,866; July 24.
 Codfish, Salt. Gorton-Pew Fisheries Company. 177,910; July 24.
 Coffee. C. D. Kenny Company. 178,257; July 24.
 Coffee. Weldman Company. 173,309; July 24.
 Coffee. Wilson Tea Co. 177,885; July 24.
 Eggs, Fresh. New Hampshire Co-Operative Marketing Association, Inc. 153,101; July 24.
 Extracts and flavorings for food purposes. Davies, Rose & Co. 168,517; July 24.
 Feed, Chicken. Ryde & Company. 174,489; July 24.
 Feed, Stock. Ryde & Company. 174,490; July 24.
 Feeds, Stock. Quaker Oats Company. 173,982; July 24.
 Fish Cakes. Gorton-Pew Fisheries Company. 177,909; July 24.
 Flour, Hard wheat. Wells-Abbott-Nieman Co. 173,946; July 24.
 Flour, Self-rising. Sprague Roller Mills. 170,734; July 24.
 Food product. V. Banos & Co. 177,948; July 24.
 Foods, Cereal breakfast. Kellogg Toasted Corn Flake Co. 172,884; July 24.
 Garlic flavoring compound. B. Heller & Company. 172,990; July 24.
 Ice cream. Hydrox Corporation. 177,783; July 24.
 Ice-cream containers, Edible. F. A. Muscente. 172,758; July 24.
 Ice-cream portion. L. A. Sutermeister. 172,912; July 24.
 Oil for frying, cooking, etc., Cottonseed. Great Atlantic and Pacific Tea Company. 176,106; July 24.
 Oil, Olive. Campania Importing Company. 155,665; July 24.
 Paprika and spices, Spanish. E. Flores. 174,567; July 24.
 Peanut butter. L. Snow. 177,877; July 24.
 Rennet extract and tablets and lactic-acid ferment. Levring & Company. 178,450; July 24.
 Salad dressing. M. Germany. 176,119; July 24.
 Sauce, soy, packed miso, etc., Bottled and barreled. Asia Company. 174,163; July 24.
 Sauces or sirups. Powder used in making chocolate. Siren Mills Corporation. 176,102; July 24.
 Sugar, Beet, cane, and maple. Union Sugar Company. 178,310; July 24.
 Vegetables, fats, and oils, Edible. G. W. King. 164,111; July 24.

CLASS 50.

Blackboards. G. W. Brooks. 149,884; July 24.
 Buttons, Lapel. Supreme Orient O. O. H. & P. 145,596; July 24.
 Flags, banners, pennants, etc. James W. Brine Company. 172,581; July 24.
 Ladders. Goshen Churn & Ladder Company. 171,315; July 24.
 Plaques, Metallic hot-dish. Etched Products Corporation. 176,075; July 24.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Abbey, Fred T. (See Hackett, W. J., and Abbey.)
 Abbott, Maurice J., assignor to American Can Company, New York, N. Y. Machine for treating fish. 1,463,111; July 24.
 Acme Products Company. (See Logan, William B., assignor.)
 Adams, Henry J., Denver, Colo. Wheel. 1,462,754; July 24.
 Adams, Joseph H., Flatbush, N. Y., assignor to The Texas Company, Houston, Tex. Oil-converting process for the conversion and transformation of oils. 1,462,677; July 24.
 Adams, Joseph H., Flatbush, N. Y., assignor to The Texas Company, Houston, Tex. Oil-converting apparatus. 1,462,678; July 24.
 Adamson, Ernie, New York, N. Y. Power plant. 1,462,470; July 24.
 Adenot, Marius, assignor to Société Lyonnaise d'Industrie Mécanique, Caluire, Rhone, France. Vehicle brake. 1,463,112; July 24.
 Aderer, Alexander. (See Deserly, Alexander S., assignor.)
 Agostini, Louis G., Paris, France. Hair curler. 1,463,028; July 24.
 Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pneumatic system. 1,462,842; July 24.
 Ainsworth, Earnest D., Bonita Springs, S. Dak. Wheel puller and emergency hub. 1,462,843; July 24.
 Air Reduction Company. (See Plumley, Stuart, assignor.)
 Allegretti, Giacomo, Stockton, Calif. Method of and apparatus for making phonograph records. 1,462,729; July 24.
 Allen, George N., and E. H. Benway, assignors to Walter A. Wood Mowing & Reaping Machine Company, Hoosick Falls, N. Y. Manure-spreader body construction. 1,462,996; July 24.
 Allred, Abraham L., Corydon, Iowa. Combination animal crate. 1,462,755; July 24.
 Alperin, Benjamin W., Kankakee, Ill. Collapsible lap-board for card players. 1,462,471; July 24.
 Alsbaugh, James S., Portsmouth, Ohio. Gear-shift mechanism. 1,462,530; July 24.
 Altman, Helen S., Elcho, Wis. Handle for pie pans. 1,462,880; July 24.
 Amador, Joseph E., New York, N. Y. Safety fender for automobiles. 1,462,928; July 24.
 American Brake Shoe & Foundry Company, The. (See Jones, Harry, assignor.)
 American Can Company. (See Abbott, Maurice J., assignor.)
 American Carbonic Machinery Company. (See Labus, O. A., and Peth, assignors.)
 American Telephone and Telegraph Company. (See Thompson, George K., assignor.)
 American Telephone and Telegraph Company. (See Toomey, J. F., and Harrison, assignors.)
 American Valve and Meter Company, The. (See Anderson, Frank C., assignor.)
 Amundson, Carl, Spring Grove, Minn. Piston-ring-groove carbon scraper. 1,462,895; July 24.
 Atmos Metals and Furnace Corporation. (See Benjamin, George H., assignor.)
 Andersen, Gammel, Austin, Tex. Clip. 1,462,591; July 24.
 Anderson, Ernst G. K., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Lens mounting for lamp casings. 1,462,472; July 24.
 Anderson, Ernst G. K., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Automatic switch control for spotlamps. 1,462,473; July 24.
 Anderson, Frank C., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Switch stand. 1,463,140; July 24.
 Anderson, John O., and O. P. Peterson, Ely, Minn. Charge preheating and vaporizing device. 1,462,844; July 24.
 Anderson, Louis W., Grand Rapids, Mich., assignor to The Tunnel & Sewer Machine Engineering Company, Buffalo, N. Y. Tunneling machine. 1,462,997; July 24.
 Anderson Motor Company. (See Deas, Coon A., assignor.)
 Andrau, Roland L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of phosphorus oxychloride. 1,462,732; July 24.
 Andrews, Charlie M., assignor of one-half to G. E. Moore, Caryville, Tenn. Combined trolley frog and electric cut-out. 1,463,029; July 24.
 Andrews, William G., Chicago, Ill. Machine and process for remilling finished flour to bleach same and open starch cells. 1,462,730; July 24.
 Anthracite Separator Company. (See Pardee, Frank, assignor.)
 Antonelli, Giuseppe, Turin, Italy. Shock absorber. 1,462,731; July 24.
 Appleton Electric Co. (See Anderson, Ernest G. K., assignor.)
 Armbruster, Ferdinand P., et al., trustees. (See Schmitz, Richard, assignor.)
 Armstrong, John. (See Connell, J. W., and Armstrong.)
 Arrow Electric Company, The. (See Harrington, William H., assignor.)
 Atkinson, Charles E., Pine Lawn, assignor to E. E. Souther Iron Company, Wellston P. O., St. Louis County, Mo. Apparatus for crushing corrugated metal. 1,462,474; July 24.
 Atkinson, Charles E., Pine Lawn, assignor to E. E. Souther Iron Company, Wellston P. O., St. Louis County, Mo. Crushing corrugated metal. 1,462,475; July 24.
 Automatic Electric Company. (See Owen, William W., assignor.)
 Automat Molding and Folding Company, The. (See Beam, Frank E., assignor.)
 Avery Company. (See Bartholomew, John B., assignor.)
 B-B Manufacturing and Drilling Company. (See Mathews, Samuel J., assignor.)
 Babiarz, John, New Salem, Pa. Cashier protector. 1,462,781; July 24.
 Baehr, Gustave, Paris, France. Collapsible hood or roof of vehicles. 1,463,030; July 24.
 Bakels, William C., Midland Park, N. J. Tool for removing from or applying differential gears to their axles. 1,463,031; July 24.
 Balzer, Charles A. (See Voss, H. W., and Balzer.)
 Banks, Lee H., Lacamp, La. Door for freight cars. 1,462,565; July 24.
 Bantle, Raphael, St. Louis, Mo. Toy. 1,463,032; July 24.
 Barbarou, Marius J. B., Paris, France. Carburetor. 1,462,782; July 24.
 Barbarou, Marius J. B., Paris, France. Stopper for reservoirs, radiators, and the like. 1,462,783; July 24.
 Barkschat, Henry. (See Gorrell, W. R., and Barkschat.)
 Barksdale, George K., and P. B. Wilson, Greenwood, S. C.; said Wilson assignor to said Barksdale. Automatic roving check. 1,462,896; July 24.
 Barnaby, Stanley. (See Hadley, F. V., Barnaby, and Clark.)
 Barnes, Brown E., assignor to Willamette Iron & Steel Works, Portland, Ore. Pulley block. 1,462,630; July 24.
 Barnes, Brown E., assignor to Willamette Iron & Steel Works, Portland, Ore. Pulley block. 1,462,631; July 24.
 Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,462,476; July 24.
 Barrett, Clarence E. (See Mooney, Frank H., assignor.)
 Barrett Company, The. (See Snyder, E. R., and Mortimer, assignors.)
 Bartholomew, John B., assignor to Avery Company, Peoria, Ill. Carbureting apparatus for internal-combustion engines. 1,462,845; July 24.
 Barto, Alphonso V., Bronxville, N. Y. Carrier. 1,462,897; July 24.
 Barton, Charles N., assignor of one-fourth to F. N. Reynolds, one-fourth to F. K. Murphy, one-twelfth to M. E. Davis and one-twelfth to M. E. Reynolds, Indianapolis, Ind., and one-twelfth to E. M. Dinnin, New York, N. Y. Sectional journal box and hub liner. 1,462,929; July 24.
 Barwald, Mont W., Jacksonville, Fla. Piston. 1,462,501; July 24.
 Bassick Company, The. (See Bassick, William R., assignor.)
 Bassick Company, The. (See Moore, Raymond G., assignor.)
 Bassick Manufacturing Company, The. (See Davis, Ernest W., assignor.)
 Bassick, William R., assignor to The Bassick Company, Bridgeport, Conn. Automobile hood clamp. 1,462,477; July 24.

- Batchelder, Asa F., Scotia, N. Y., assignor to General Electric Company. Mounting for electric motors. 1,462,998; July 24.
- Baumann, Gottfried P., assignor to Ideal Stitcher & Manufacturing Company, Chicago, Ill. Stitching machine. 1,462,898; July 24.
- Baumann, Milton C., assignor to Dayton-Wright Company, Dayton, Ohio. Rudder control. 1,462,531; July 24.
- Baxter, William L., Beverly, Mass. Shoe or similar article. Des. 62,687; July 24.
- Bayless, William O., Knoxville, Tenn. Locking device for automobiles. 1,462,909; July 24.
- Beam, Frank E., assignor to The Automat Molding and Folding Company, Toledo, Ohio. Package-forming machine. 1,462,566; July 24.
- Becherer, George, jr., assignor to Empire Stamping Tool & Manufacturing Company, St. Louis, Mo. Compound progressive punch and dies. 1,462,733; July 24.
- Beck, Albert, Chicago, Ill., assignor to McGill Metal Products Company. Selective change maker. 1,462,679; July 24.
- Beckett, John R., Somerville, Mass. Truing device for grinding disks. 1,463,033; July 24.
- Behrens, Heinrich, Brunswick, Germany. Device for distributing pulverulent or granular material continuously supplied in a controlled stream. 1,462,847; July 24.
- Bell, Elwood G., Chicago, Ill. Waterproof cigarette case. 1,462,846; July 24.
- Bellinger, Burt J., Dexter, N. Y. Making paper pulp. 1,463,000; July 24.
- Benjamin, George H., assignor to Anatmos Metals and Furnace Corporation, New York, N. Y. Furnace for melting and casting. 1,462,899; July 24.
- Bennett, Ashley C., assignor to I. E. Bennett, Minneapolis, Minn. Carburetor. 1,462,034; July 24.
- Bennett, Ashley C., assignor to I. E. Bennett, Minneapolis, Minn. Intake manifold. 1,463,035; July 24.
- Bennett, Irene E. (See Bennett, Ashley C., assignor.)
- Benoit, Felix E. (See Thoresen, A. S., and Benoit.)
- Benson, Aaron. (See Massey, A., and Benson.)
- Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Counter-rotation turboblower. 1,462,592; July 24.
- Benway, Eugene H. (See Allen, G. N., and Benway.)
- Berg, Maurice O., Chicago, Ill. Speed-change worm transmission. 1,463,001; July 24.
- Berkes, Ernst P., Pfeddersheim, near Worms-on-the-Rhine, Germany. Hollow building tile. 1,462,593; July 24.
- Bernard, James L., Beaver, Pa. Riveter. 1,463,146; July 24.
- Bernstein, Barnett, Gloucester, Mass. Mothproof bag. 1,463,002; July 24.
- Bergfeld, J. A. (See Cleveland, David P., assignor.)
- Berry, Gaspard, Brussels, Belgium. Internal-combustion engine. 1,462,848; July 24.
- Beynon, Rees, and J. C. Hintz, Chicago, Ill., assignors to Dryden Rubber Company. Adjusting mechanism for trimmers. 1,462,478; July 24.
- Bibb, Otis, Louisville, Ky. Bag closure. 1,463,113; July 24.
- Bienville Manufacturing Company. (See Madere, Ernest H., assignor.)
- Binder, Carl A. (See Rolle, Karl F. A., assignor.)
- Bingham, George W., assignor to Widescope Camera Co., Newark, N. J. Motion-picture device. 1,462,784; July 24.
- Bisch, Floyd, Philadelphia, Pa. Combined signal and license-display device. 1,462,953; July 24.
- Blakes ee, George S., Chicago, Ill. Washing machine. 1,462,734; July 24.
- Blakes ee, George S., Oak Park, Ill. Washing machine. 1,462,735; July 24.
- Blanck & Co. (See Langenegger, John, assignor.)
- Bliss, John, London, England. Burner for fluid fuel. 1,462,680; July 24.
- Boa, Robert G. C., Herkimer, assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,462,567; July 24.
- Boddy, Harry V., Marceline, Mo. Lubricating journal box for car axles. 1,462,736; July 24.
- Bohock, Joseph J., assignor of thirty-five per cent to C. Kyff and thirty per cent to A. Purcell, Yonkers, N. Y. Color box. 1,462,479; July 24.
- Bollman, Grover E., Sugar creek, Ohio. Tractor hitch. 1,462,930; July 24.
- Boninsegni, Riccardo, Florence, Italy. Transmitting and reversing gear. 1,462,900; July 24.
- Bonner, Fred W., Pottstown, Pa. Nonglare eyeshield. 1,462,532; July 24.
- Bose, Frederick J., Norristown, Pa. Smoking mixture. 1,462,480; July 24.
- Bostrom, Earnst A., assignor to Pomona Products Company, Griffin, Ga. Coring machine. 1,463,114; July 24.
- Boswell, George G. F., Indianapolis, Ind. Combined shock absorber and rebound check for motor-propelled vehicles. 1,462,737; July 24.
- Boswell, George G. F., Indianapolis, Ind. Rebound-check shock absorber. 1,462,738; July 24.
- Bottom, Edgar M., Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,688; July 24.
- Bottom, Edgar M., Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,689; July 24.
- Bowman, Francis H., Lynn, Mass., assignor to General Electric Company. Electrical recording instrument. 1,463,004; July 24.
- Bowman, Newton K., Bowditch, Ohio. Mining-machine bit. 1,462,681; July 24.
- Boyle, John T., Randolph, Mass. Ornamental transparency. 1,462,481; July 24.
- Brandt, Carl A. (See Nyquist, A. R., and Brandt.)
- Bridgeport Metal Goods Manufacturing Company, The. (See Loveman, William R., assignor.)
- Briggs & Stratton Co. (See Soreng, Edgar M., assignor.)
- Brown, Francis H., Philadelphia, assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa. Controlling combustion. 1,463,141; July 24.
- Brown, Francis H., Glen Olden, assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa. Apparatus for controlling combustion. 1,463,142; July 24.
- Brown, Francis H., Ridley Park, assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa. Controlling combustion. 1,463,143; July 24.
- Brown, Frank A. (See Koss, William E., assignor.)
- Brown Process Company. (See Jones, Richard G., assignor.)
- Bruckner, Charles C., Jersey City, N. J., assignor to Bruckner Mfg. Co., Inc. Engraving machine. 1,462,682; July 24.
- Bruckner Mfg. Co. (See Bruckner, Charles C., assignor.)
- Bryant, William A. (See Whaler, H. T., and Bryant.)
- Bryden-Neverslip Company. (See Whitaker, R., jr., and Snyder, assignors.)
- Brecht, George S., Baltic, assignor to A. L. Stewart, Canton, S. Dak. Snowplow. 1,462,901; July 24.
- Bryen, George J., Duquesne, Pa. Rolling-mill ragging mechanism. 1,463,036; July 24.
- Buckeye Traction Ditcher Company, The. (See George, Charles L., assignor.)
- Buckham, George T. (See Dawson, A. T., Buckham, and Larsson.)
- Budd Wheel Company. (See Fine, Lewis, assignor.)
- Buller, Charles M., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Adjustable boot for pipes. 1,462,482; July 24.
- Burgess Battery Company. (See Schulte, Walter B., assignor.)
- Burgess, Norman T., Santa Ana, Calif. Control mechanism for motion picture projecting machines. 1,462,931; July 24.
- Burnett, Ira A., Chicago, Ill. Alloy and mercury dispenser. 1,462,954; July 24.
- Burrowes, C. T., Company, The. (See Seavey, Harry R., assignor.)
- Burton, James A., Brooklyn, N. Y. Lubricant. 1,462,799; July 24.
- Busb, Henry L., Hopkinton, and A. M. Hamblet, Salem, Mass. Memorandum tablet and holder. 1,462,683; July 24.
- Cabana, Oliver F. (See Dotterweich, Edward J., assignor.)
- California Car Company. (See Manbert, Calvin R., assignor.)
- Camp, David, Cumberland County, N. J. Device for straightening bent or irregular axle housings. 1,462,955; July 24.
- Canion, John R., Austin, Tex. Loading and grading device. 1,462,785; July 24.
- Carnahan, Harry L., Centralia, Mo. Accelerator foot throttle. 1,463,115; July 24.
- Carpenter, John S., Irvington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Hydraulic turbine. 1,462,483; July 24.
- Carson, Gates R. (See Gilmore, A. R., and Carson.)
- Carter, Daniel G., Mosheim, Tenn. Making seamless uppers. 1,463,066; July 24.
- Carter, John J., Anderson, Ind., assignor to The Remy Electric Company. Manufacture of shafts. 1,463,144; July 24.
- Cartier, Inc. (See Fuchs, Emil, assignor.)
- Case, Francis M., Cleveland, assignor, by mesne assignments, to Hoover Company, North Canton, Ohio. Brush-adjusting device for suction cleaners. 1,462,568; July 24.
- Castalia Gardens, Inc. (See Makepeace, Stanley, assignor.)
- Central Wisconsin Trust Company, executor. (See Putnam, William H.)
- Champlin, Charles A., assignor of 35 per cent to R. E. Rutledge, Hope, Ark. Animal trap. 1,462,739; July 24.
- Chance, Thomas M., Philadelphia, Pa. Producing fluid-separating mediums and fluid-separating medium produced thereby. 1,462,881; July 24.
- Chatterton, F. (See Watson, James H., assignor.)
- Chicago Automatic Conveyor Co. (See Shaw, Arthur L., assignor.)

- Chireix, Henri, Paris, France. Receiving system. 1,462,882; July 24.
- Christenson, Arthur E. (See Christenson, Sam and A. E.)
- Christenson, Sam and A. E., Fergus Falls, Minn. Illuminated sign. 1,462,849; July 24.
- Clark, Edward D., Achille, Okla. Rat trap. 1,462,802; July 24.
- Clark, Egbert N., Rochester N. Y. Profile-defining apparatus. 1,462,850; July 24.
- Clark, Virginus E., assignor to Dayton-Wright Company, Dayton, Ohio. Fuselage construction for aircraft. 1,462,533; July 24.
- Clarke, George J. (See Dow, G. B. N., and Ham, assignors.)
- Clarke, Jessie C. (See Condylis, M. J., and Clarke.)
- Clarke, John O. (See Hadley, F. V., Barnaby, and Clark.)
- Clemmer, Julius N., Omaha, Nebr. Foldable boat. 1,462,800; July 24.
- Cleveland, David P., assignor of one-half to J. A. Bergfeld, Dallas, Tex. Sand-blast machine. 1,462,786; July 24.
- Cloud, William S., assignor to J. D. Roszell, Peoria, Ill. Process and apparatus for making confections. 1,462,883; July 24.
- Clum, Harry A., Wauwatosa, assignor to Clum Mfg. Co., Milwaukee, Wis. Lock switch. 1,462,684; July 24.
- Clum Mfg. Co. (See Clum, Harry A., assignor.)
- Coleman, George B., assignor to Coleman X-Ray Company, San Francisco, Calif. Method and apparatus for rectifying polyphase currents. 1,462,632; July 24.
- Coleman, George B., assignor to Coleman X-Ray Company, San Francisco, Calif. Producing direct current from an alternating circuit and means therefor. 1,462,633; July 24.
- Coleman, George B., assignor to Coleman X-Ray Company, San Francisco, Calif. Means and method of conversion between alternating and direct currents. 1,462,634; July 24.
- Coleman X-Ray Company. (See Coleman, George B., assignor.)
- Condylis, Michael J., and J. C. Clarke, Louisville, Ky. Arch supporter. 1,462,534; July 24.
- Connell, John W., and J. Armstrong, Centralia, Wash. Brake-rod attachment. 1,462,932; July 24.
- Continental Car Company of America. (See McKinley, Andrew B., assignor.)
- Cook, Ernest E. (See Gilmour, R., and Cook.)
- Cooper, Augustus S., Santa Barbara, Calif. Utilizing residual heat. 1,462,851; July 24.
- Corona Machine Company. (See De Luca, P. C., and Insogna, assignors.)
- Cotal, Jean, Puteaux, France. Change-speed-gear mechanism. 1,462,740; July 24.
- Cottam, John B., Montecito, Calif. Collapsible queen and drone trap. 1,462,933; July 24.
- Coughlin, Joseph D., New York, N. Y., assignor, by mesne assignments, of one-half to D. A. McConnell. Hair curler. 1,462,484; July 24.
- Counter, Howard E., Leipsic, Ohio. Draft appliance for tractors. 1,462,685; July 24.
- Covell, Nathaniel, Tididute, Pa. Saw-set tool. 1,462,686; July 24.
- Cowden, Albert R., and E. J. B. Gorman, Dayton, Ohio. Laminated structure for wheels. 1,462,687; July 24.
- Cox Brass Manufacturing Company. (See Cox, William G., assignor.)
- Cox, Lucille, Chicago, Ill. Stamp container. 1,462,535; July 24.
- Cox, William G., Cleveland, Ohio, assignor to Cox Brass Manufacturing Company, Albany, N. Y. Automobile shield. 1,462,956; July 24.
- Crary, James H., Brooklyn, N. Y. Strainer. 1,463,067; July 24.
- Crimmel, Alvie C., Hartford City, Ind. Liquid container for fountain syringes. Des. 62,691; July 24.
- Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
- Crompton & Knowles Loom Works. (See Knowlton, C. E., and Ryon, assignors.)
- Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
- Crompton & Knowles Loom Works. (See Soderberg, John G., assignor.)
- Crow, Shelton A., Glomawr, Ky. Safety brake for cars, etc. 1,462,741; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Bracket for lighting fixtures. Des. 62,692; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Bracket lantern for lighting fixtures. Des. 62,693; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Ceiling lantern for lighting fixtures. Des. 62,694; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Arm for lighting fixtures. Des. 62,695; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Plate for lighting fixtures. Des. 62,696; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Plate for lighting fixtures. Des. 62,697; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Top for shade for lighting fixtures. Des. 62,698; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Top for shade for lighting fixtures. Des. 62,699; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Bracket plate for lighting fixtures. Des. 62,700; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier for lighting fixtures. Des. 62,701; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier for lighting fixtures. Des. 62,702; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Plate for lighting fixtures. Des. 62,703; July 24.
- Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Husk for lighting fixtures. Des. 62,704; July 24.
- Culotta, Edward, Richmond Hill, N. Y. Spot trimming for dresses. 1,462,594; July 24.
- Culotta, Edward, Richmond Hill, N. Y. Spot trimming for dresses. 1,462,595; July 24.
- Cummings Machine Works. (See English, Analdó M., assignor.)
- Cutler-Hammer Mfg. Co. (See Barnum, Thomas E., assignor.)
- Czeftzick, Max. (See Reed, C. E., and Czeftzick.)
- Dahl, Thure E., New York, N. Y. Electric wall bracket. Des. 62,705; July 24.
- Dahl, Thure E., New York, N. Y. Bracket back for lighting fixtures. Des. 62,706; July 24.
- Dahl, Thure E., New York, N. Y. Body part for lighting fixtures. Des. 62,707; July 24.
- Dahl, Thure E., New York, N. Y. Socket cover for lighting fixtures. Des. 62,708; July 24.
- Dahl, Thure E., New York, N. Y. Band for lighting fixtures. Des. 62,709; July 24.
- Dalton, William H., Salem, Mass. Heating unit. 1,463,005; July 24.
- Dardani, Martin E. E., Fairfield, Conn. Gasoline filter. 1,463,006; July 24.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling ore. 1,462,688; July 24.
- Davis, Ernest W., Oak Park, Ill., assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating system. 1,462,689; July 24.
- Davis, James G., Buffalo, N. Y. Mold for making building blocks. 1,463,007; July 24.
- Davis, Lewis R., and R. M. Hughes, San Francisco, Calif. Positioning means for pistons. 1,462,742; July 24.
- Davis, Martha E., et al. (See Barton, Charles N., assignor.)
- Davis Sewing Machine Company, The. (See Pearson, J. W., and Power, assignors.)
- Dawson, Arthur T., G. T. Buckham, and C. A. Larsson, Westminster, London, assignors to Vickers Limited, London, England. Automatic gun. 1,462,852; July 24.
- Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
- Dayton-Wright Company. (See Baumann, Milton C., assignor.)
- Dayton-Wright Company. (See Clark, Virginus E., assignor.)
- Dazey Manufacturing Company, The. (See Stuck, William R., assignor.)
- Deas, Coon A., assignor to Anderson Motor Company, Rock Hill, S. C. Electrical switch. 1,462,690; July 24.
- De Cesare, Matteo, assignor to The Toy Devices, Inc., Newark, N. J. Sound-emission device. 1,463,008; July 24.
- Degendorfer, John, San Francisco, Calif. Agricultural fork. 1,462,787; July 24.
- Deguide, Camille, Enghien, France. Manufacture of alkali-metal silicates. 1,463,037; July 24.
- Dehn, William H., Cleveland, Ohio. Waste control for basins. 1,462,853; July 24.
- De Lipski, Nicolas V., assignor of one-half to E. H. Phillips, New York, N. Y. Colored article. 1,462,536; July 24.
- De Lipski, Nicolas V., assignor of one-half to E. H. Phillips, New York, N. Y. Changeable scenic effect. 1,462,537; July 24.
- De Luca, Peter C., and M. L. Insogna, Dorchester, assignors to Corona Machine Company, Malden, Mass. Fruit crusher. 1,462,801; July 24.
- Denison, George W., Bay Village, Ohio. Method of and apparatus for mixing materials. 1,462,485; July 24.
- Dent Auto Equipment Company. (See Dent, Herbert A., assignor.)
- Dent, Herbert A., assignor to Dent Auto Equipment Company, Chicago, Ill. Automobile radiator cap. Des. 62,711; July 24.
- Dery, Joseph E., Edgeley, N. Dak. Grain shocker for harvester binders. 1,462,538; July 24.
- Deserty, Alexander S., assignor to A. Aderer, New York, N. Y. Combined shelf and hanger rack. 1,462,803; July 24.
- Devey, John, Lehi, Utah. Beet-harvesting machine. 1,462,486; July 24.

- De Vry Corporation, The. (See De Vry, Herman A., assignor.)
- De Vry, Herman A., assignor to The De Vry Corporation, Chicago, Ill. Mechanism for rewinding films. 1,462,487; July 24.
- Dinnin, Evelyn M. (See Barton, Charles N., assignor.)
- Domestic Electric Company, The. (See Mace, Arthur T., assignor.)
- Dorau, John P., North Fond du Lac, Wis. Ironing board. 1,463,068; July 24.
- Dorau, John P., North Fond du Lac, Wis. Foldable ironing board. 1,463,069; July 24.
- Dorau, John P., North Fond du Lac, Wis. Foldable ironing board. 1,463,070; July 24.
- Dorsch, Frank J., Winona, Minn. Wrench. 1,462,788; July 24.
- Dostal, Joseph L., assignor to E. Holley, Detroit, Mich. Lampblack burner. 1,462,691; July 24.
- Dotterweich, Edward J., Syracuse, assignor to O. F. Cabana, Buffalo, N. Y. Wheel. 1,462,884; July 24.
- Dow, George B. N., and F. P. Ham, Manchester, N. H., assignors to G. J. Clarke, West Hanover, Mass. Anti-skid-chain hook. 1,463,071; July 24.
- Draper Corporation. (See Snow, Isaac, assignor.)
- Dry-Zero Corporation, The. (See Lindsay, Harvey B., assignor.)
- Dryden Rubber Company. (See Beynon, R., and Hintz, assignors.)
- Dues, Fred B., Minster, Ohio. Husking rolls. 1,462,539; July 24.
- Duffey, Charles E. (See Givens, George N., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Andreau, Roland L., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Jacobs, Charles B., assignor.)
- Du Pont, E. I., de Nemours & Company. (See Ward, William H., assignor.)
- Durand Steel Locker Company. (See Vance, Walter N., assignor.)
- Durance, Marie R., Utica, N. Y. Cough tablet. Des. 62,712; July 24.
- Dye, Glen M., assignor to Pako Corporation, Minneapolis, Minn. Presser-back mechanism for photoprinting machines. 1,463,009; July 24.
- Eckhouse, Herbert S., Indianapolis, Ind. Protector for car grain doors and the like. 1,463,010; July 24.
- Eclipse Machine Company. (See McGrath, William L., assignor.)
- Edler, Eduard, Leipzig-Lindenau, assignor, by mesne assignments, to A. K. Iseler and A. G. W. Iseler, Leipzig-Plagwitz, Germany. Expanding gate valve. 1,462,635; July 24.
- Edler, Eduard, Leipzig-Lindenau, assignor, by mesne assignments, to A. K. Iseler and A. G. W. Iseler, Leipzig-Plagwitz, Germany. High-pressure slide stop valve with parallel steam-tight surfaces. 1,462,636; July 24.
- Egan, George F. (See Stern, C., and Egan.)
- Eisenberg, Solomon, Syracuse, N. Y. Finger ring, bracelet, or article of similar nature. Des. 62,713; July 24.
- Ellery, Robert L. (See Jobst, Conrad, assignor.)
- Ellison, Edward H., assignor to Monarch Refillable Fuse Co., Jamestown, N. Y. Knife-blade fuse. 1,463,038; July 24.
- Emerson, Truell F., Somerville, assignor, by mesne assignments, to Walter M. Lowney Company, Boston, Mass. Counter display container. 1,462,502; July 24.
- Empire Stamping Tool & Manufacturing Company. (See Becherer, George, jr., assignor.)
- Engelbrecht, Emil P., Chicago, Ill. Slate brick. 1,462,596; July 24.
- England, Isaac W., assignor to Passaic Metal Ware Co., Passaic, N. J. Conveyor. 1,463,011; July 24.
- English, Analdo M., Brookline, assignor to Cummings Machine Works, Boston, Mass. Sewing-machine attachment for spiral stitching. 1,463,116; July 24.
- Engmark, Algott H., Crawfordsville, Ind. Foot rest. 1,462,597; July 24.
- Enright, John W., New Orleans, La. Stationary chemical-mixing fire-extinguisher system. 1,463,072; July 24.
- Enterprise Portable Oven Co. (See Pawlick, Ignatz H., assignor.)
- Erd, Fredric G. (See Rush, Turner C., assignor.)
- Erni, Walter, and A. E. Lange, jr., Milwaukee, Wis. Combined lamp and sound-reproducing device. Des. 62,714; July 24.
- Esberg, Clifford N. (See Willison, R. A., and Esberg.)
- Evans, Edward J., Briarcrest, Saskatchewan, Canada. Sieve. 1,462,804; July 24.
- Eyre, John J., Somerville, Mass. Tire-chain carrier. 1,462,789; July 24.
- Farberei Weidmann A.-G. (See Hanhart, Karl G., assignor.)
- Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple-valve device. 1,463,039; July 24.
- Farrer, John H., Neutral Bay, near Sydney, New South Wales, Australia. Apparatus for the manufacture of horseshoes. 1,463,012; July 24.
- Fassett, Francis K., Dayton, Ohio. Door hanger. 1,462,694; July 24.
- Federicci, Albert, Paterson, N. J., assignor to H. C. Neuburger, New York, N. Y. Apparatus for molding cement blocks. 1,462,569; July 24.
- Felten, Abram V., assignor to The New England Metal Barrel Corporation, Danbury, Conn. Machine for shaping cylinders. 1,463,073; July 24.
- Fennell, Thomas. (See Shockey, H. C., and Fennell.)
- Fenselau, Frederick, and G. W. Thompson, Detroit, Mich. Washing machine. 1,462,854; July 24.
- Festa, Alfred, Paris, France. Furnace. 1,462,540; July 24.
- Fetner, Stephen R., Albany, Ga. Sash fastener. 1,462,637; July 24.
- Finckbein, Adolf. (See Rüdenberg, R., and Finckbein.)
- Fine, Lewis, assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa. Metal wheel. 1,462,957; July 24.
- Fink, William B., New York, N. Y. Sign holder. 1,462,790; July 24.
- Finley, Sam E., Atlanta, Ga. Treating roadways. 1,462,902; July 24.
- Finley, Sam E., Atlanta, Ga. Apparatus for applying binding media to road surfaces. 1,462,903; July 24.
- Finley, Sam E., Atlanta, Ga. Preparing bituminous cement-aggregate composition. 1,462,904; July 24.
- Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
- Fischer, Joseph C., Milwaukee, Wis. Germicide receptacle and cover. 1,462,693; July 24.
- Fisher Body Corporation. (See Schmidt, Albert, assignor.)
- Fisk Rubber Company, The. (See Marquette, Melvorn A., assignor.)
- Fisk Rubber Company, The. (See Taylor, Edward C., assignor.)
- Fitch, Ellery R., St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door and brake control device. 1,463,040; July 24.
- Flagg, Edwin H., Los Angeles, Calif. Curtain, drapery, and the like. 1,463,013; July 24.
- Flagg, Edwin H., Los Angeles, Calif. Making curtains, draperies, and the like. 1,463,014; July 24.
- Flagler, T. T. (See Lowndes, George S., jr., assignor.)
- Fleischauer, Fred, New Milford, N. J., assignor to New York Lighting Fixture Manufacturing Co., New York, N. Y. Chandelier for lighting fixtures. Des. 62,715; July 24.
- Fleron, Louis H., Trenton, N. J. Dial-revolving device. 1,462,571; July 24.
- Fluor, John S., Santa Ana, Calif. Wall and making same. 1,462,934; July 24.
- Foglia, Decimo. (See Sartore, Laurence, assignor.)
- Fox, Charles A., New York, N. Y. Box. 1,463,074; July 24.
- Freddy, August. (See Maimin, H., and Freddy.)
- Freeman, Dudley, Roxbury, assignor to Panther Rubber Manufacturing Company, Stoughton, Mass. Sole or tap. Des. 62,716; July 24.
- Freeman, Dudley, Roxbury, assignor to Panther Rubber Manufacturing Company, Stoughton, Mass. Shoe heel. Des. 62,717; July 24.
- Friedman, Samuel, Brooklyn, N. Y. Fur softening and cleaning machine. 1,463,075; July 24.
- Friedman, Samuel, Brooklyn, N. Y. Fleshing machine. 1,463,076; July 24.
- Frost, John B., Buckley, Wash. Smoking pipe. 1,462,905; July 24.
- Fuchs, Emil, assignor to Cartier, Inc., New York, N. Y. Spoon or similar article. Des. 62,718; July 24.
- Fuller Brush Company, The. (See Hines, William J., assignor.)
- Gabrielson, Carl, Syracuse, assignor to Newell Manufacturing Company, Ogdensburg, N. Y. Machine for bending pipe. 1,462,935; July 24.
- Gallagher, Richard D., Bay St. Louis, Miss. Portable bridge. 1,462,541; July 24.
- Galloway, Perry C., De Queen, Ark. Yoke for cattle. 1,462,743; July 24.
- Gandell, William R. K., London, England. Spanner. 1,463,077; July 24.
- Garvey, James F., Lincoln, Nebr. Attachment for motor vehicles. 1,462,744; July 24.
- Gaston, Alpheus D., Austin, Tex. Automobile light-dimmer switch. 1,462,791; July 24.
- Gelatt, Philo M., La Crosse, Wis. Pressure gauge. 1,462,570; July 24.
- General Automatic Scale Company. (See Schaper, Harry C., assignor.)
- General Electric Company. (See Batchelder, Asa A., assignor.)
- General Electric Company. (See Bowman, Francis H., assignor.)
- General Electric Company. (See Guay, Emile J., assignor.)
- General Electric Company. (See Hunt, Louis J., assignor.)
- General Electric Company. (See Junggren, Oscar, assignor.)
- George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Sloping-bank-cutting attachment. 1,462,488; July 24.
- Gerleman, Oscar W., St. Louis, Mo. Treating pistons, piston rings, and cylinders, and specially-prepared piston rings. 1,462,855; July 24.
- Gibson, Oliver E., assignor to Potts Manufacturing Company, Mechanicsburg, Pa. Lock. 1,462,805; July 24.

- Gibson, Oliver E., assignor to Potts Manufacturing Company, Mechanicsburg, Pa. Door. 1,462,806; July 24.
- Giebel, Henry, assignor to Thomas Wilson & Co. Inc., New York, N. Y. Lace. Des. 62,719; July 24.
- Gill, Charles H., Chicago, Ill. Speed-controlling mechanism. 1,462,807; July 24.
- Gill, Charles H., Chicago, Ill. Machine-control mechanism. 1,462,808; July 24.
- Gill, Charles H., Chicago, Ill. Self-adjusting transmission mechanism. 1,462,809; July 24.
- Gill, Charles H., Chicago, Ill. Automatic crank transmission mechanism. 1,462,810; July 24.
- Gilmore, Alfred R., and G. R. Carson, Red Rock, Pa. Trap. 1,463,117; July 24.
- Gilmore, Ronald F., and W. G. Johannsen, Algona, Iowa. Beet harvester. 1,463,078; July 24.
- Gilmour, Robert, and E. E. Cook, Pawtucket, R. I. Gas-pressure regulator. 1,462,958; July 24.
- Ginger, Henry, Hertfordshire, England. Gas burner. 1,462,756; July 24.
- Givens, George N., assignor to two-fifths to C. E. Duffey, Colfax, La. Means for automatically opening doors or gates. 1,463,079; July 24.
- Globe-Wernicke Company, The. (See Ringler, William A., assignor.)
- Glover, William S. C., London, England. Advertising device. 1,462,745; July 24.
- Gobay, Sidney H. (See Wile, R. S., and Gobay.)
- Goebel, Boyd W., Jonesville, S. C. Convertible chair. 1,462,959; July 24.
- Goldstein, Bernard, Toronto, Ontario, Canada. Pencil. Des. 62,720; July 24.
- Goodell-Pratt Company. (See Hapgood, Oscar D., assignor.)
- Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
- Goodwin, Yuba T., East Dedham, Mass. Statuette. Des. 62,721; July 24.
- Gorman, Eugene J. B. (See Cowden, A. R., and Gorman.)
- Gorrell, William R., and H. Barkschat, Los Angeles, Calif. Rail chair. 1,463,118; July 24.
- Gonzler, Clyde J., Tulsa, Okla. Reinforcing structure for derricks. 1,462,746; July 24.
- Gould, Loran J., Acme, Wash. Means for utilizing power of automobiles. 1,462,936; July 24.
- Graeff, Walter L., assignor to G. A. Reach, Philadelphia, Pa. Support for use in packing baseball gloves for shipment. 1,462,906; July 24.
- Graf, Christopher, assignor to R. Graf, South Bend, Ind. Photographic objective. 1,463,132; July 24.
- Graf, Richard. (See Graf, Christopher, assignor.)
- Grant, Helen M. W., administratrix. (See Grant, William W.)
- Grant, William W., deceased, Brooklyn, N. Y.; H. M. W. Grant, administratrix. Fuel-mixture heating and vaporizing device. 1,463,133; July 24.
- Gravell, James H., Elkins Park, Pa., assignor to Thomson Electric Welding Company, Boston, Mass. Condensing welding circuit. 1,462,572; July 24.
- Gray, Forest L., Kenmore, Ohio. Hair clipper. Re15,660; July 24.
- Gray, Frances, Wilksburg, Pa. Typewriter attachment. 1,463,080; July 24.
- Green, A. P., Fire Brick Company. (See Liptak, Michael, assignor.)
- Green, John W., Columbus, Ohio. Fuel saver. 1,462,503; July 24.
- Greening, Charles W. (See Greening, Clarence L. and C. W.)
- Greening, Clarence L. and C. W., Breckenridge, Mich. Beet-topping mechanism. 1,462,907; July 24.
- Greening, Clarence L. and C. W., Breckenridge, Mich. Beet harvester. 1,462,908; July 24.
- Greenwood, Levi H., et al., trustees. (See Lloyd, Marshall B., assignor.)
- Grenzke, Otto C., Detroit, Mich. Bottle-washing machine. 1,462,598; July 24.
- Grigsby, Bertram J., Chicago, Ill. Electric fuse. 1,462,489; July 24.
- Grueter, John R. (See Loew, C. H., and Gruetter.)
- Gschwind, Leon, Youngstown, Ohio. Ironing machine. 1,462,757; July 24.
- Guay, Emile J., Lynn, Mass., assignor to General Electric Company. Actuating device and making the same. 1,463,015; July 24.
- Guenther, Arthur G. G., assignor to Signode System Inc., Chicago, Ill. Machine for applying box straps. 1,462,960; July 24.
- Gulba, Stanley F., Shamokin, Pa. Rotary nozzle brush. 1,462,909; July 24.
- Hackett, William J., Reno, and F. T. Abbay, Hazen, Nev. Automobile spring equalizer and shock absorber. 1,462,638; July 24.
- Hadley, Frederick V., Needham, S. Barnaby, Auburn-dale, and J. O. Clarke, Forest Hills, Mass. Vaporizer. 1,462,504; July 24.
- Hagaman, Mamie, Perth Amboy, N. J. Washtub. 1,462,573; July 24.
- Hagan Corporation, The. (See Brown, Francis H., assignor.)
- Hagstrom, Joseph E., Chicago, Ill. Valveless air hammer. 1,462,961; July 24.
- Haight, Harry V., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,463,134; July 24.
- Haines, Jones & Cadburg Incorporated. (See Muend, Charles J., assignor.)
- Hainlen, George, Philadelphia, Pa. Bumper for automobiles. 1,462,910; July 24.
- Hall, Harry G., Cottonwood, Ariz. Cement. 1,462,747; July 24.
- Hall, Robert K., Denver, Colo. Collapsible spout for cans. 1,462,749; July 24.
- Ham, Frank P. (See Dow, G. B. N., and Ham.)
- Hamblet, Abel M. (See Bush, H. L., and Hamblet.)
- Hamel Shoe Machinery Company. (See Hart, Thomas F., assignor.)
- Hamel Shoe Machinery Company. (See Reardon, Fred A., assignor.)
- Hamel Shoe Machinery Company. (See Valois, Félix E., assignor.)
- Hammond, William A., San Francisco, Calif. Rack. 1,462,542; July 24.
- Hancock, Abram O., Richmond, Va. Headrest. 1,463,081; July 24.
- Hanes, Jarnett E., Alma, Ill. Axle straightener. 1,463,082; July 24.
- Hanhart, Karl G., Rüschlikon, assignor to Farberei Weidmann A.-G., Thalwil, Switzerland. Vessel. 1,462,543; July 24.
- Hansen, Theodore C., Chicago, Ill. Routing machine. 1,462,962; July 24.
- Hanson, Adolf K., Chicago, Ill. Washing machine. 1,462,911; July 24.
- Hanson, Charles C., and J. Twardowsky, assignors, by mesne assignments, to Universe Corporation, Chicago, Ill. Compressor. 1,462,695; July 24.
- Hanson, Charles C., and J. Twardowsky, assignors, by mesne assignments, to Universe Corporation, Chicago, Ill. Expansion valve. 1,462,696; July 24.
- Hapgood, Oscar D., Montague, assignor to Goodell-Pratt Company, Greenfield, Mass. Tool. 1,462,963; July 24.
- Harrington, William H., assignor to The Arrow Electric Company, Hartford, Conn. Attachment plug. Des. 62,722; July 24.
- Harrison, William H. (See Toomey, J. F., and Harrison.)
- Hart, Frederick A., New Britain, Conn., assignor to R. Mington Typewriter Company, Ithaca, N. Y. Typewriting machine. 1,462,697; July 24.
- Hart, George M., Des Moines, Iowa. Fuel-mixing device. 1,462,750; July 24.
- Hart, Thomas F., Lynn, Mass., assignor to Hamel Shoe Machinery Company, Lynn, Mass. Rib tighteners for Gem innersoles. 1,462,792; July 24.
- Hartman, Arthur A., and W. C. Schwarzbach, Janesville, Wis. Portable table. 1,462,856; July 24.
- Hartman, Milton, assignor to Localized Advertising Corporation, Detroit, Mich. Seal for folders. 1,463,083; July 24.
- Hartson, Bert E. (See Kirby, J. M., and Hartson.)
- Hauenstein, Julius, Jersey City, N. J. Door-closing device. 1,462,544; July 24.
- Haughey, Rodger F., McKeesport, Pa. Pipe coupling. 1,462,698; July 24.
- Hawes, William L., Burbank, Calif. Float-controlled valve. 1,462,599; July 24.
- Hawkins, Archie W., assignor to Simmons Hardware Company, St. Louis County, Mo. Saddle. 1,462,885; July 24.
- Hayes, Denis, Limerick, Ireland. Means for measuring or marking off the sizes of half soles of boots and shoes. 1,462,699; July 24.
- Heard, John, Strathroy, Ontario, Canada. Screen-door clip. 1,463,119; July 24.
- Heckman, John A. (See Heckman, William and J. A.)
- Heckman Signal Company, The. (See Heckman, William, and J. A., assignors.)
- Heckman, William and J. A., Denver, Colo., assignors to The Heckman Signal Company. Automobile signal. Des. 62,723; July 24.
- Heenan & Froude, Limited. (See Walker, George H., assignor.)
- Hess, Abraham L., Hesston, Kans. Separable fastener. 1,462,964; July 24.
- Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,462,912; July 24.
- Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,462,913; July 24.
- Helbig, Walter, Queens, N. Y. Lace. Des. 62,724; July 24.
- Hele-Shaw, Henry S., London, England. Hydraulic clutch or coupler. 1,462,600; July 24.
- Hemelstrand, Walter R., Edison, Nebr. Hog trough. 1,462,793; July 24.
- Henderson, Douglas, Dallas, Tex. Ice tongs. 1,462,758; July 24.
- Henke, Frank, et al. (See McAllister, Frederick J., assignor.)
- Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Windshield attachment for automobiles. 1,462,545; July 24.
- Higgin Manufacturing Company, The. (See Higgin, Henry, assignor.)

- Hill, David, Leicester, England. Heel for boots and shoes. Des. 62,725; July 24.
- Hiller, Nicolai H., Carbondale, Pa. Valve block for compressor pumps. 1,462,857; July 24.
- Hillmann, Hans, assignor to Illinois Glass Company, Alton, Ill. Bottle-handling device. 1,462,546; July 24.
- Hillmer, Max L., Detroit, Mich., assignor to The Remy Electric Company. Cover and cover-securing means. 1,463,147; July 24.
- Hines, William J., assignor to The Fuller Brush Company, Hartford, Conn. Brush holder. Des. 62,726; July 24.
- Hinkle, Charles W., Rushville, Ind. Gate hinge. 1,462,759; July 24.
- Hintz, John C. (See Beynon, R., and Hintz.)
- Hodnfield, Olaus T., Los Angeles, Calif. Ring. Des. 62,727; July 24.
- Hoffman, Rudolph, Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Sheet-metal reservoir and making the same. 1,462,640; July 24.
- Hogan, Michael J., Chicago, Ill. Interchangeable-character construction. 1,462,547; July 24.
- Hohmann, Hugo, Kopenick, near Berlin, Germany. Sealing-wax candle. 1,462,601; July 24.
- Hollberg, Leo C., et al. (See Smith, David K., assignor.)
- Holley, Earl. (See Dostal, Joseph L., assignor.)
- Holman, William E., et al., trustees. (See Lloyd, Marshall B., assignor.)
- Holmes, Bradford B., U. S. Army. Spring wheel. 1,463,135; July 24.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion. 1,462,548; July 24.
- Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Narrow-ware loom. 1,462,549; July 24.
- Holton, Birchard E., Los Angeles, Calif. Pressure-regulating valve. 1,462,937; July 24.
- Holway, Arthur W., Los Angeles, Calif. Timer. 1,462,700; July 24.
- Home Comfort Heater Co., The. (See Kreutz, Theodor E., assignor.)
- Hoover Company. (See Case, Francis M., assignor.)
- Hoover Company, The. (See Hoover, Howard E., assignor.)
- Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction sweeper. 1,462,574; July 24.
- Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction-cleaner attachment. 1,462,575; July 24.
- Hopkinson, Ernest, New York, N. Y., and A. E. Jury, Rutherford, N. J.; said Jury assignor to Morgan & Wright. Apparatus for the production of wetless rubberized cord fabric. 1,462,858; July 24.
- Hoppe, Charles H., Devils Lake, N. Dak. Boiler-scale remover. 1,462,550; July 24.
- Houseman, Wilbur L., assignor to Standard Machine Company, Philadelphia, Pa. Circular-knitting machine. 1,462,551; July 24.
- Hudson, Donald M., Bend, Oreg. Repair device for fishing rods. 1,463,084; July 24.
- Huestis, Thomas B., assignor to National India Rubber Company, Bristol, R. I. Stitching machine for joining rubber. 1,462,859; July 24.
- Hughes, Robert M. (See Davis, L. R., and Hughes.)
- Hulse, William H., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,462,886; July 24.
- Humberger, Alonzo, Chicago, Ill. Washing machine. 1,463,016; July 24.
- Hundley, James, assignor to New Process Iron and Steel Company, Noblesville, Ind. Steel-heating furnace. 1,462,639; July 24.
- Hungerbühler, Oscar J., Far Rockaway, and C. Schopper, New York, N. Y. Hair-waving device. 1,463,065; July 24.
- Hunt, Homer, Hartford, Conn. Ladder attachment. 1,462,505; July 24.
- Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition timer. 1,462,860; July 24.
- Hunt, Louis J., London, England, assignor to General Electric Company, Schenectady, N. Y. Dynamo-electric machine adapted for synchronous working. 1,463,017; July 24.
- Huntington, Frederick T., North Bennington, Vt. Poultry feed box. 1,462,751; July 24.
- Huntoon, Charles F., Chicago, Ill. Machine for assembling trusses. 1,462,552; July 24.
- Hurd, Benjamin W., assignor to Turbine Fuel Oil Burner Co., San Francisco, Calif. Ball bearing. 1,462,965; July 24.
- Ideal Stitcher & Manufacturing Company. (See Baumann, Gottfried P., assignor.)
- Illingworth Carbonization Company. (See Illingworth, Stewart R., assignor.)
- Illingworth, Stewart R., Brynffedwen, England, assignor to Illingworth Carbonization Company, Limited, Manchester, England. Coking of coal. 1,462,576; July 24.
- Illinois Glass Company. (See Hillmann, Hans, assignor.)
- Ingersoll-Rand Company. (See Haight, Harry V., assignor.)
- Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
- Insogna, Matthew L. (See De Luca, P. C., and Insogna.)
- Interlocking Metal Forms. (See Neuberger, Henry C., assignor.)
- International Signal Co. (See Webb, Jean F., jr., assignor.)
- Iseler, Albert G. W., et al. (See Edler, Eduard, assignor.)
- Iseler, Albert K., et al. (See Edler, Eduard, assignor.)
- Jackson, Harry R., and H. A. May, Chicago, Ill. Gas distributing and governing valve. 1,462,641; July 24.
- Jackson, Theodore K., Mobile, Ala. Vehicle handhold. 1,462,914; July 24.
- Jacobs, Charles B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carbon catalyst. 1,462,752; July 24.
- Jamieson, Samuel B., Marathon, N. Y. Portable reversible grade hone or road leveler. 1,462,577; July 24.
- Jeffries, Dudley W., Springfield, Mo. Combined rail joint and nut lock. 1,462,506; July 24.
- Jenner, Percy, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,728; July 24.
- Jenner, Percy, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,729; July 24.
- Jenner, Percy, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,730; July 24.
- Jennings, William H., assignor of one-half to L. Levy, St. Paul, Minn. Road plane. 1,463,120; July 24.
- Jerome, Inez S., Chicago, Ill. Brassière. 1,462,966; July 24.
- Jobst, Conrad, assignor to R. L. Ellery, Toledo, Ohio. Method and means for truing chaser bars. 1,462,701; July 24.
- Johannsen, William G. (See Gilmore, R. F., and Johannsen.)
- Johnson, Arthur J., St. Paul, Minn., assignor to Standard Conveyor Company. Emergency controller for elevators. 1,462,507; July 24.
- Johnson, Charles J., Canton, Ohio. Emergency drum for automobiles. 1,462,811; July 24.
- Johnson, Ewald E., St. Charles, Ill. Brace. 1,462,702; July 24.
- Johnson, John F. (See Patterson, Warren C., assignor.)
- Johnson, Oscar L., Proctor, Vt., assignor to Vermont Marble Company. Gang-saw frame. 1,462,553; July 24.
- Johnston, George W., Washington, D. C. Window screen. 1,463,121; July 24.
- Jones, Harry, Suffern, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,462,967; July 24.
- Jones, Richard G., assignor to Brown Process Company, Los Angeles, Calif. Preventing emulsification of oil discharging from oil wells. 1,462,748; July 24.
- Jones, Walter S., Orwood, Calif. Electric water heater. 1,462,703; July 24.
- Jordan, John M., deceased, Summit, Ga.; T. M. Jordan, administrator. Plant-vermin-extminating structure. 1,462,861; July 24.
- Jordan, T. M., administrator. (See Jordan, John M.)
- Jordan, Will J. (See Petrea, F. K., and Jordan.)
- Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Shaft bearing. 1,463,018; July 24.
- Junkers, Hugo, Aachen-Frankenburg, Germany. Flying-machine supporting surface. 1,462,704; July 24.
- Jury, Alfred E. (See Hopkinson, E., and Jury.)
- K. F. & C. Tire & Rubber Corporation. (See Krusemark, Frederick A., assignor.)
- Kälin, Josef, Oberwinterthur, Switzerland. Element for wainscoting. 1,463,041; July 24.
- Karst, Joseph P. and O. J., St. Louis, Mo. Transportation package for graphophone records. 1,462,642; July 24.
- Karst, Oliver J. (See Karst, Joseph P. and O. J.)
- Kashinsky, John, assignor to New Jersey Can Company, Weehawken, N. J. Receptacles. 1,462,578; July 24.
- Keczur, Jozefa, West Selkirk, Manitoba, Canada. Combination chipped-glass frame and mirror. Des. 62,731; July 24.
- Keczur, Jozefa, West Selkirk, Manitoba, Canada. Combination colored chipped-glass frame and mirror. Des. 62,732; July 24.
- Keller, George J., Newark, N. J. Watchcase. Des. 62,733; July 24.
- Kelly, Jack D., Elmhurst, N. Y. Waterproof carrying case. 1,463,086; July 24.
- Ketterer, Charles A., East St. Louis, Ill. Refrigerator. 1,462,968; July 24.
- Keyworth, George A., et al., trustees. (See Lloyd, Marshall B., assignor.)
- Kinnard, Frank M., assignor of one-half to C. L. Sebring, Sebring, Ohio. Batter. 1,462,812; July 24.
- Kinsman, Charles F. (See Roth, Louis, assignor.)
- Kirby, Joseph M., and B. E. Hartson, Boulder, Colo. Gas generator. 1,462,705; July 24.
- Kirschner, John G., et al. (See Smith, David K., assignor.)
- Klein, Benjamin F. (See Pfeager, Roscoe C., assignor.)
- Kleinfield, Irving L., Brooklyn, N. Y. Electric-lamp stand. Des. 62,734; July 24.

- Kleinschmidt, Edward E., Brooklyn, N. Y., assignor to The Kleinschmidt Electric Company. Method of and apparatus for operating printing telegraphs. 1,463,136; July 24.
- Kleinschmidt Electric Company. (See Kleinschmidt, Edward E., assignor.)
- Kline, Charles R., Reading, Pa. Combination boiler. 1,462,862; July 24.
- Knapp, Floyd E., Allerton, Iowa. Combined gear and thrust bearing. 1,462,938; July 24.
- Knowlton, Charles E., North Grafton, and E. H. Ryon, Waltham, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detector mechanism. 1,462,554; July 24.
- Koblinsky, Ignatius F., Saginaw, Mich. Modeling dress form. 1,462,555; July 24.
- Kohlmeier, Gust., Manitowoc, Wis. Cheese press. 1,462,863; July 24.
- Koss, William E., Evanston, assignor to F. A. Brown, Wilmette, Ill. Cap for receptacles. 1,463,145; July 24.
- Kreutzer, Theodor E., assignor to The Home Comfort Heater Co., Philadelphia, Pa. Gas heater for furnaces, stoves, or apartments. 1,462,643; July 24.
- Krick, Daniel A., Chicago, Ill. Combination tail light and signaling device. 1,462,969; July 24.
- Kropp, Charles A., River Forest, assignor of one-third to A. Nordstrom, Berwyn, and one-third to R. A. Kropp, River Forest, Ill. Die mounting. 1,462,556; July 24.
- Kropp, Roy A., et al. (See Kropp, Charles A., assignor.)
- Krusemark, Frederick A., assignor to K. F. & C. Tire & Rubber Corporation, Roanoke, Va. Cushion tire. 1,462,760; July 24.
- Krysiak, John, Four Corners, Wyo. Motor sleigh. 1,463,042; July 24.
- Kuenzel, Charles A., jr., Bloomfield, Nebr. Blower or suction fan. 1,462,557; July 24.
- Kugler, Benjamin, Chicago, Ill. Locked anchorage for window-cleaners' harness. 1,462,761; July 24.
- Kumpunen, Helen, Rye, N. Y. Mop holder. 1,462,794; July 24.
- Kurtz, Joseph J., Shamokin, Pa. Buffer check for loom pickers. 1,462,508; July 24.
- Kyff, Cornelius, et al. (See Bohock, Joseph J., assignor.)
- Labus, Otto A., Wisconsin Rapids, and C. H. Peth, Wausau; said Labus assignor to American Carbonic Machinery Company, Wisconsin Rapids, Wis. Chocolate mixing and melting machine. 1,462,602; July 24.
- Ladd, Donald H., Torrance, Calif. Ignition wiring and conductor for internal-combustion engines. 1,462,706; July 24.
- Lagasse, Joseph N., Hyner, Pa. Link. 1,463,043; July 24.
- Lagerstrom, Anthony F., Chicago, Ill. Window fastener. 1,462,762; July 24.
- Lancaster, George W., assignor to Perfected Window Company, Richmond, Va. Window sash, screen sash, and shutter and window frame therefor. 1,462,644; July 24.
- Lancaster, George W., assignor to Perfected Window Company, Richmond, Va. Counterbalancing sashes for stationary window casements. 1,462,645; July 24.
- Lancaster, George W., assignor to Perfected Window Company, Richmond, Va. Plurality of counterbalancing sashes for windows. 1,462,646; July 24.
- Lancaster, George W., assignor to Perfected Window Company, Richmond, Va. Counterbalancing sashes for various metal and other casements. 1,462,647; July 24.
- Lang, Martin M., Brooklyn, N. Y. Check-writing fountain pen. 1,462,864; July 24.
- Lange, Arthur E., jr. (See Erni, W., and Lange.)
- Langenegger, John, West New York, N. J., assignor to Blanck & Co., Inc., New York, N. Y. Lace. Des. 62,735; July 24.
- Langlumé, George, and E. J. Ybarzabal, New Orleans, La. Mechanical racing course. 1,462,560; July 24.
- Larsson, Carl A. (See Dawson, A. T., Buckham, and Larsson.)
- Latham Machinery Company. (See Leschhorn, Ernest, assignor.)
- Lathrop, Harry D., Chicago, Ill. Sprayer. 1,462,970; July 24.
- Lavalle, Charles F., Newmarket, N. H. Loom. 1,462,603; July 24.
- Lavalle, Charles F., Newmarket, N. H. Tension regulator for selvage spools. 1,462,604; July 24.
- Lawlor, James M., Topeka, Kans. Sawhorse. 1,462,707; July 24.
- Layne, Mahlon E., Houston, Tex. Movable power unit. 1,462,708; July 24.
- Leane, Sidney A., Farrell's Flat, South Australia, Australia. Container for matches. 1,462,971; July 24.
- Le Cocq, Frank and I., Aberdeen, S. Dak. Cylindrical structure and block thereof. 1,462,605; July 24.
- Le Cocq, Irwin. (See Le Cocq, Frank and I.)
- L'Ecuier, Romulus A., Chicago, and L. S. Marks, Oak Park, Ill. Holder for lighting fixtures. 1,462,692; July 24.
- Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
- Leffler, John F., Pittsburgh, Pa. Safety razor. 1,462,558; July 24.
- Lemon, Alfred B., Providence, R. I. Charm. Des. 62,736; July 24.
- Leon, Peter F., New York, N. Y. Medallion, emblem, button, or similar article. Des. 62,737; July 24.
- Leschhorn, Ernest, Chicago, Ill., assignor to Latham Machinery Company. Paper-punching press. 1,462,559; July 24.
- Levy, Charles M., New York, N. Y. Bracelet. Des. 62,738; July 24.
- Levy, Leo. (See Jennings, William H., assignor.)
- Lewandowski, Bruno, Los Angeles, Calif. Air-cushion bumper for motor vehicles. 1,462,561; July 24.
- Lewis, Isaac N., Montclair, N. J. Cartridge magazine. 1,462,972; July 24.
- Leydekkers, Wilhelmus H., and W. O. Ruddle, London, England. Roller-blind advertising device. 1,463,087; July 24.
- Library Bureau. (See Ohnstrand, Enoch, assignor.)
- Lieckfelt, Ernest F., Detroit, Mich. Resilient wheel. 1,462,865; July 24.
- Lindsay, Harvey B., assignor to The Dry-Zero Corporation, Oakland, Calif. Insulating wall. 1,462,648; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,044; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace-wall structure. 1,463,045; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,046; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,047; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,048; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,049; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,050; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Partition wall for furnaces. 1,463,051; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,052; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,053; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,054; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,055; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,056; July 24.
- Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,057; July 24.
- Liptak, Michael, St. Paul, Minn. Furnace wall. 1,463,058; July 24.
- List, Frank X., New York, N. Y. Secure collar button. 1,462,509; July 24.
- Lister, Charles H., North St. Paul, Minn., assignor to Standard Conveyor Company. Reciprocating conveyer. 1,462,510; July 24.
- Lister, Charles H., North St. Paul, Minn. Reciprocating conveyer system. 1,462,511; July 24.
- Little, Arthur D., Inc. (See Murray, Wallace J., assignor.)
- Lloyd, Marshall B., Menominee, Mich., assignor, by mesne assignments, to L. H. Greenwood, G. A. Keyworth, Gardner, Mass., and W. E. Holman, Leominster, Mass., trustees. Producing reedlike articles. 1,462,709; July 24.
- Lloyd, Marshall B., Menominee, Mich., assignor, by mesne assignments, to L. H. Greenwood, G. A. Keyworth, Gardner, Mass., and W. E. Holman, Leominster, Mass., trustees. Producing reed articles. 1,462,710; July 24.
- Localized Advertising Corporation. (See Hartman, Milton, assignor.)
- Loew, Charles H., and J. R. Gruetter, Lakewood, Ohio. Bottle-cleaning apparatus. 1,462,512; July 24.
- Logan, William B., De Quincy, assignor to Acme Products Company, Inc., New Orleans, La. Making turpentine substitute and product therefrom. 1,463,122; July 24.
- Lombard, Nathaniel, assignor to The Lombard-White Company, Worcester, Mass. Wringer and motor support for washing machines. 1,462,939; July 24.
- Lombard-White Company, The. (See Lombard, Nathaniel, assignor.)
- Loveman, William R., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Electric battery. 1,462,795; July 24.
- Lover, William E., Findlay, Ohio. Novelty envelope. 1,462,513; July 24.
- Lovett, Michael V., Castanea, Pa. Entrance for hives. 1,462,711; July 24.

- Lowe, Edward L., Palo Alto, Calif. Burning fuel oil in internal-combustion engines. 1,462,514; July 24.
- Lowndes, George S., jr., assignor of one-half to T. T. Flagler, Atlanta, Ga. Timepiece holder. 1,462,915; July 24.
- Lowney, Walter M., Company. (See Emerson, Truell F., assignor.)
- Ludeman, Oscar H., Glen Ridge, N. J. Temperature alarm. 1,462,887; July 24.
- Lux, Edward, San Diego, Calif. Clamping bolt for tire molds. 1,462,712; July 24.
- Lynch, Francis J., Bloomfield, N. J. Receptacle. 1,463,088; July 24.
- McAdam, Dunlap J., jr., Annapolis, Md., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Impact-testing machine. 1,462,813; July 24.
- McAllister, Frederick J., Elyria, Ohio, assignor of one-eighth to A. E. Simmons and one-eighth to F. Henke, Elyria, Ohio. Building-material composition. 1,463,123; July 24.
- McConnell, Duncan A. (See Coughlin, Joseph D., assignor.)
- McConnell, John J., Rockford, Ill. Baking frame. 1,463,124; July 24.
- McCrone, Robert A., Denver, Colo. Egg separator. 1,462,606; July 24.
- McElroy, Elizabeth, Jacksonville, Fla. Hospital gown. 1,462,515; July 24.
- McGill Metal Products Company. (See Beck, Albert, assignor.)
- McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,462,973; July 24.
- McKenzie, Charles L. (See Taylor, Robert L., assignor.)
- McKinley, Andrew B., Louisville, Ky., assignor to Continental Car Company of America. Dump body. 1,462,814; July 24.
- Mace, Arthur T., East Cleveland, assignor to The Domestic Electric Company, Cleveland, Ohio. Motor drive for sewing machines. 1,462,516; July 24.
- MacLellan, Angus D., assignor to MacLellan Mixer Company, Owensboro, Ky. Percentage feeder and mixer. 1,462,649; July 24.
- MacLellan Mixer Company. (See MacLellan, Angus D., assignor.)
- Madere, Ernest H., Hahnville, assignor to Bienville Manufacturing Company Inc., New Orleans, La. Baby guard. 1,463,125; July 24.
- Madison Kipp Corporation. (See Putnam, William H., assignor.)
- Maimin, H., Co. (See Maimin, H., and Freddy, assignors.)
- Maimin, Hyman, and A. Freddy, New York, N. Y., assignors to H. Maimin Co., Inc., Presser-foot latch. 1,462,650; July 24.
- Makepeace, John F., Sanford, N. C. Sash weight. 1,463,126; July 24.
- Makepeace, Stanley, assignor to Castalia Gardens, Inc., Milwaukee, Wis. Roller coaster. 1,463,137; July 24.
- Makowski, Peter, Chicago, Ill. Automatic clutch-shifting mechanism for washing machines. 1,462,974; July 24.
- Manbert, Calvin R., assignor to California Car Company, Oakland, Calif. Center drive for gasoline-propelled cars. 1,462,713; July 24.
- Manrow, Nathan W., Goshen, Ind. Register support and border. 1,462,607; July 24.
- Manta, Joseph A., Provincetown, Mass. Crossing signal. 1,463,127; July 24.
- Marchand, Thomas E., Sacramento, Calif. Pencil-holding clip. 1,462,714; July 24.
- Marks, Le Roy S. (See L'Ecuier, R. A., and Marks.)
- Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire bead and making the same. 1,462,517; July 24.
- Marshall, Norman, Waltham, Mass. Method of and apparatus for enameling tubes. 1,462,608; July 24.
- Martin, John L., Buffalo, N. Y. Swing. 1,462,796; July 24.
- Martin, Wilfred G., Peoria, Ill. Spring-oiling device. 1,462,562; July 24.
- Martyn, David L., Vancouver, Wash. Reboring machine. 1,463,089; July 24.
- Mash, Frank, Detroit, Mich. Music-leaf turner. 1,462,715; July 24.
- Masin, Joseph, New York, N. Y. Bearing. 1,462,716; July 24.
- Massey, Amedee, and A. Benson, Norwich, Conn. Pickstick check. 1,463,128; July 24.
- Mathews, Charles O., Devon, Conn. Curtain roller. 1,462,866; July 24.
- Mathews, Fred, Chicago, Ill. Lock for freight-car-doors. 1,462,916; July 24.
- Mathews, Samuel J., Sapulpa, Okla., assignor to B-B Manufacturing and Drilling Company. Well-drilling apparatus. 1,462,975; July 24.
- Mathews, James F., North Augusta, S. C., assignor of fifty-one one-hundredths to W. H. White, Augusta, Ga. Box. 1,463,059; July 24.
- Mau, Louis A., assignor to Milwaukee Auto Engine and Supply Company, Milwaukee, Wis. Contact and making same. 1,462,609; July 24.
- Maus, Lorenzo F., Chicago, Ill. Slicer. 1,462,717; July 24.
- May, Henry A. (See Jackson, H. R., and May.)
- Memmott, Alfred B., Salt Lake City, Utah. Radiator cap. Des. 62,739; July 24.
- Mesinger, Frederick, New York, N. Y. Saddle. 1,462,976; July 24.
- Meyer, Albert W., Roselle, N. J. Coffee-making apparatus. 1,462,610; July 24.
- Meyer, John W., Fort Atkinson, Wis. Water heater. 1,462,611; July 24.
- Meyer, William V., Milwaukee, Wis. Phonograph. 1,462,867; July 24.
- Milker, Herbert P., and A. Roesch, assignors to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Thermometer. 1,462,797; July 24.
- Miller, Charles W. H., Lstant, Ill. Ensilage harvester. 1,462,765; July 24.
- Miller, John H., Chicago, Ill. Barrel-washing machine. 1,462,917; July 24.
- Miller, Lena. (See Schneider, Herman L., assignor.)
- Miller Rubber Company, The. (See Straiton, David, assignor.)
- Miller, Volney T., assignor to R. S. Spahr, Kansas City, Mo. Razor-blade-sharpening machine. 1,462,490; July 24.
- Miller, William J., Swissvale Borough, Pa. Process and apparatus for feeding glass. 1,462,491; July 24.
- Milton, William H., and F. Schermer, Muscatine, Iowa. Automatic fluid control. 1,463,129; July 24.
- Milwaukee Auto Engine and Supply Company. (See Mau, Louis A., assignor.)
- Miner, William H. (See O'Connor, John F., assignor.)
- Mitts & Merrill. (See Mitts, P. S., and Winston, assignors.)
- Mitts, Philip S., and W. J. Winston, assignors to Mitts & Merrill, Saginaw, Mich. Chip pocket for cutting shredders and the like. 1,462,492; July 24.
- Monarch Carriage Goods Company, The. (See Voss, H. W., and Balzer, assignors.)
- Monarch Refillable Fuse Co. (See Ellison, Edward H., assignor.)
- Mones, Arthur H., Kerrobert, Saskatchewan, Canada. Cover plate for storage batteries. 1,462,612; July 24.
- Mooney, Frank H., Hinsdale, assignor to Clarence E. Barrett, Chicago, Ill. Thread-cutting machine. 1,463,019; July 24.
- Moore, G. Edward. (See Andrews, Charlie M., assignor.)
- Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Automobile hood clamp. 1,462,493; July 24.
- Morgan & Wright. (See Hopkinson, E., and Jury, assignors.)
- Morris, James B., Nashville, Tenn. Tool for removing valves. 1,463,130; July 24.
- Morse, Clyde S., De Kalb, Ill. Sash lock. 1,462,977; July 24.
- Mortimer, Charles W. (See Snyder, E. R., and Mortimer.)
- Moshier, William J., Rochester, N. Y. Match-igniting device. 1,462,978; July 24.
- Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
- Mueller, L. J., Furnace Company. (See Buller, Charles M., assignor.)
- Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Multiple-meter-tester apparatus. 1,462,718; July 24.
- Muend, Charles J., Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated. Faucet. Des. 62,740; July 24.
- Murphy, Fred K., et al. (See Barton, Charles N., assignor.)
- Murray, Wallace J., Boston, assignor to Arthur D. Little, Inc., Cambridge, Mass. Producing azo colors in nonaqueous solvents. 1,462,613; July 24.
- Myers, Hubert A., assignor of one-half to H. Wiener, Toledo, Ohio. Valve mechanism. 1,462,651; July 24.
- Nafziger, Samuel O., Goshen, Ind. Clamshell-bucket-operating mechanism. 1,463,090; July 24.
- Nakagawa, Waichi, Kitaku, Japan. Steam boiler. 1,462,763; July 24.
- National Brake & Electric Company. (See Aikman, Burton S., assignor.)
- National India Rubber Company. (See Huestis, Thomas B., assignor.)
- Neuberger, Henry C. (See Federicci, Albert, assignor.)
- Neuberger, Henry C., New York, assignor to Interlocking Metal Forms Corporation, Tuckahoe, N. Y. Machine for molding building blocks. 1,462,614; July 24.
- New England Metal Barrel Corporation, The. (See Felten, Abram V., assignor.)
- New Idea Spreader Co., The. (See Oppenheim, T. H., and Selhorst, assignors.)
- New Jersey Can Company. (See Kashinsky, John, assignor.)
- New Process Iron and Steel Company. (See Hundley, James, assignor.)
- New York Lighting Fixture Manufacturing Co. (See Fleischauer, Fred, assignor.)
- Newell Manufacturing Company. (See Gabrielson, Carl, assignor.)
- Newman, Louis, Chicago, Ill. Passenger train and platform. 1,462,868; July 24.
- Nichols, George J., Minneapolis, Minn. Combined spat and legging. Des. 62,741; July 24.
- Nickerson, William H., Brookline, Mass. Shank stiffener. 1,462,798; July 24.

- Nitrum Aktiengesellschaft. (See Siebert, Werner, assignor.)
- Noble, Louis H., Philadelphia, Pa. Portable umbrella stand. 1,462,615; July 24.
- Nordstrom, Alfred, et al. (See Kropp, Charles A., assignor.)
- Norton, Charles E., assignor of one-half to H. P. Norton, Loveland, Colo. Automobile brake. 1,462,918; July 24.
- Norton, Harry P. (See Norton, Charles E., assignor.)
- Nyquist, August R., and C. A. Brandt, Roseau, Minn. Sawing machinery. 1,462,764; July 24.
- O & J Machine Company, The. (See Oslund, Charles H., assignor.)
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,462,616; July 24.
- Oczkowski, Constantine L., Bunell, Colo. Antiskidding device. 1,463,060; July 24.
- Ohnstrand, Enoch, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass. Interfitting corner construction. 1,462,617; July 24.
- Olson, Olaf, St. Paul, Minn. Adjustable fishing-line bobber. 1,463,020; July 24.
- O'Neill, Frank, Toledo, Ohio. Glass-handling apparatus. 1,462,652; July 24.
- Oppenheim, Theodore H., and B. Selhorst, assignors to The New Idea Spreader Co., Coldwater, Ohio. Rolls for corn-husking machines. 1,462,815; July 24.
- Oslund, Charles H., assignor to The O & J Machine Company, Worcester, Mass. Wiping-down device. 1,462,940; July 24.
- Osterholm Automatic Machine Co. (See Osterholm, William C., assignor.)
- Osterholm, William C., assignor to Osterholm Automatic Machine Co., Chicago, Ill. Grinding machine. 1,462,653; July 24.
- Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)
- Otto, William, Edgeley, N. Dak. Excavator. 1,462,494; July 24.
- Owen, William W., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,462,719; July 24.
- Owens, Thomas S., Toledo, Ohio. Sheet-glass-drawing mechanism. 1,462,495; July 24.
- Paine, Harry W. (See Smith, Arthur A., and Paine.)
- Pako Corporation. (See Dye, Glen M., assignor.)
- Palm Brothers Company, The. (See Bottome, Edgar M., assignor.)
- Palm Brothers Company, The. (See Jenner, Percy, assignor.)
- Palm Brothers Company. (See Stuart, Ralph, assignor.)
- Palmer, Mabel H., Davenport, Iowa. Badge. Des. 62,742; July 24.
- Panther Rubber Manufacturing Company. (See Freeman, Dudley, assignor.)
- Pappadakis, Andru G., Detroit, Mich. Knob alarm. 1,462,496; July 24.
- Pardee, Frank, Hazleton, Pa., assignor to Anthracite Separator Company. Spiral separator. 1,462,618; July 24.
- Partlow, Howard W., Utica, N. Y. Gas governor for type-setting machines. 1,462,816; July 24.
- Pascale Metal Ware Co. (See England, Isaac W., assignor.)
- Patterson, John F., Merchantville, N. J. Shock compressing and binding device. 1,462,817; July 24.
- Patterson, Warren C., Pottsville, assignor of one-half to J. F. Johnson, Lewisburg, Pa. Safety attachment for locomotives. 1,462,619; July 24.
- Pawlick, Ignatz H., assignor to Enterprise Portable Oven Co., Chicago, Ill. Portable oven. 1,463,061; July 24.
- Pearson, John W., and J. S. Power, assignors to The Davis Sewing Machine Company, Dayton, Ohio. Valve. 1,463,093; July 24.
- Pearson, Kent, Marion, Iowa. Animal trap. 1,463,091; July 24.
- Peeler, Cameron C., Charleston, Wash. Torch for use in electric welding and holder therefor. 1,462,620; July 24.
- Peerless Wire Goods Company, The. (See Snyder, Frank M., assignor.)
- Pelletier, Alphonse, Norwalk, Calif. Burglar alarm. 1,462,941; July 24.
- Pelly, Russell G., assignor to Technical Research Works, Limited, London, England. Lubricant and preparing same. 1,463,092; July 24.
- Perfected Window Company. (See Lancaster, George W., assignor.)
- Petersen, Frank H., and A. S. Weston, Denver, Colo. Combined crank-shaft-turning tool and automatically-reciprocating mechanism for supporting and operating the same. 1,462,979; July 24.
- Peterson, Oscar P. (See Anderson, J. O., and Peterson.)
- Peth, Charles H. (See Labus, O. A., and Peth.)
- Petrea, Frank K., and W. J. Jordan, Columbus, Ga. Bunch builder. 1,462,919; July 24.
- Petry, Jacob, Pittsburgh, Pa. Dental suction plate. 1,462,888; July 24.
- Pfeleger, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,743; July 24.
- Pfeiffer, Oswald, Leipzig, Germany. Apparatus for drying material. 1,462,621; July 24.
- Phelan, Edward J., Los Angeles, Calif. Combination concrete wall board and studding. 1,462,622; July 24.
- Philadelphia Quartz Company. (See Stericker, William, assignor.)
- Phillip, Charles W., San Francisco, Calif. Internal-combustion engine and parts thereof. 1,462,654; July 24.
- Phillip, Charles W., San Francisco, Calif. Piston and manufacturing the same. 1,462,655; July 24.
- Phillips, Elaine H. (See de Lipski, Nicholas V., assignor.)
- Pickard, Fred. (See Pickard, Oliver J. and F.)
- Pickard, Oliver J. and F., assignors to Joseph Pickard's Sons, Philadelphia, Pa. Wire head for looms. 1,462,920; July 24.
- Pickard's, Joseph, Sons. (See Pickard, Oliver J. and F., assignors.)
- Pieper, Alphonse F. (See Pieper, Oscar H. and A. F.)
- Pieper, Oscar H. and A. F., Rochester, N. Y. Dental appliance unit. 1,462,656; July 24.
- Pierce, Joseph A., Dravosburg Borough, Pa. Cooking utensil. 1,462,818; July 24.
- Pierson, Charles V., Duluth, Minn. Wall construction. 1,463,021; July 24.
- Plumley, Stuart, Westfield, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Portable acetylene generator. 1,462,623; July 24.
- Pomona Products Company. (See Bostrom, Earnst A., assignor.)
- Pool, Morris W., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,462,980; July 24.
- Post, John E., Durand, Mich. Gate. 1,462,766; July 24.
- Potts Manufacturing Company. (See Gibson, Oliver E., assignor.)
- Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,462,819; July 24.
- Power, Joseph S. (See Pearson, J. W., and Power.)
- Primak, Adam, Kenosha, Wis. Lock. 1,462,869; July 24.
- Prutzman, Jacob N. (See Stienhauer, W. R., and Prutzman.)
- Pryor, Alfred T., Detroit, Mich. Resilient wheel. 1,462,624; July 24.
- Purcell, Andrew, et al. (See Bohock, Joseph J., assignor.)
- Putnam, William H., deceased, by Central Wisconsin Trust Company, executor, assignor to Madison Kipp Corporation, Madison, Wis. Internal-combustion engine. 1,462,767; July 24.
- Raber, Clyde K., Newcastle, Ind. Can spout. 1,462,820; July 24.
- Rader, Samuel J. W., Alfalfa County, Okla. Automatic air-hose coupler. 1,462,821; July 24.
- Rainalter, Rudolph, Kansas City, Mo. Box fastener. 1,462,657; July 24.
- Rand, James H., North Tonawanda, N. Y. Index. 1,462,497; July 24.
- Rand, James H., North Tonawanda, N. Y. Index device. 1,462,822; July 24.
- Reach, George A. (See Graeff, Walter L., assignor.)
- Reardon, Fred A., Bradford, Mass., assignor to Hamel Shoe Machinery Company. Forepart-turning machine. 1,462,823; July 24.
- Reed, Clarence E., and M. Czeftczick, Houston, Tex.; said Czeftczick assignor to said Reed. Coupling or tool joint. 1,462,824; July 24.
- Rees, Claude, San Francisco, Calif. Waste-burning furnace. 1,462,720; July 24.
- Reichmann, Frank J., Chicago, Ill. Coupler device. 1,462,921; July 24.
- Remington Accounting Machine Corporation. (See Boa, Robert G. C., assignor.)
- Remington Typewriter Company. (See Hart, Frederick A., assignor.)
- Remington Typewriter Company. (See Pool, Morris W., assignor.)
- Remy Electric Company, The. (See Carter, John J., assignor.)
- Remy Electric Company, The. (See Hillmer, Max L., assignor.)
- Reynolds, Arthur W., Newtown, Conn. Cultivator. 1,463,138; July 24.
- Reynolds, Frank W., New Washington, Ohio. Cabinet. Des. 62,744; July 24.
- Reynolds, Fred N., et al. (See Barton, Charles N., assignor.)
- Reynolds, May E., et al. (See Barton, Charles N., assignor.)
- Richardson, Henry A., Colorado Springs, Colo. Power-transmission appliance. 1,462,658; July 24.
- Rick, August, St. Louis, Mo. Automobile traffic signal. 1,462,659; July 24.
- Riddell, John T., Evanston, Ill. Athletic shoe. 1,462,625; July 24.
- Riddle, Edward N., Co. (See Crowell, Frank S., assignor.)
- Rigby, Clark F., Butler, Pa. Oil saver. 1,462,518; July 24.
- Rigby, Thomas, Westminster, London, England. Manufacture of briquettes. 1,463,094; July 24.
- Riker, Samuel M., Chester, N. J. Belt buckle. 1,462,981; July 24.

- Ringler, William A., Philadelphia, Pa., assignor to The Globe-Wernicke Company. Index tab. 1,462,626; July 24.
- Ringler, William A., Philadelphia, Pa., assignor of one-half to H. C. Yeiser, Cincinnati, Ohio. Adjustable price marker. 1,462,825; July 24.
- Rixson, Oscar C., New Rochelle, N. Y., assignor to The Oscar C. Rixson Co. Lock. 1,462,826; July 24.
- Rixson, Oscar C., New Rochelle, N. Y., assignor to The Oscar C. Rixson Co. Lock. 1,462,827; July 24.
- Rixson, Oscar C., New Rochelle, N. Y., assignor to The Oscar C. Rixson Co. Lock. 1,462,828; July 24.
- Rixson, Oscar C., Co., The. (See Rixson, Oscar C., assignor.)
- Roberts, Edlie M., St. Louis, Mo. Fishing tackle. 1,463,062; July 24.
- Roberts, Merrill E., Pasadena, Calif. Lath. 1,462,579; July 24.
- Roberts, William, Los Angeles, Calif. Scraper attachment for brooms. 1,462,829; July 24.
- Robinson, Arthur W., Montreal, Quebec, Canada. Floating discharge pipe for hydraulic dredges. 1,462,830; July 24.
- Robinson, Harriet M., Seattle, Wash. Doll. Des. 62,745; July 24.
- Roesch, Alfred. (See Milker, H. P., and Roesch.)
- Rogers, James B., Chicago, Ill. Mathematical top. 1,462,870; July 24.
- Rogers, Joseph A., New York, N. Y. Pneumatic tire. 1,462,942; July 24.
- Rolle, Karl F. A., Vauxhall, assignor to C. A. Binder, Newark, N. J. Machine for making link mesh and similar fabric. 1,462,982; July 24.
- Rollefson, Jacob W., Seattle, Wash. Toy. 1,462,660; July 24.
- Rosenberg, Irving, East Orange, N. J. Measuring and cutting device. 1,462,871; July 24.
- Rosener, Leland S., San Francisco, Calif. Apparatus for unloading barges. 1,462,627; July 24.
- Roszell, James D. (See Cloud, William S., assignor.)
- Roth, Louis, assignor to C. F. Kinsman, New York, N. Y. Lamp fixture for beds and the like. 1,462,498; July 24.
- Rothe, Paul R., Chicago, Ill. Hollow-stem suction valve. 1,462,519; July 24.
- Rottenburg, Henry, Cambridge, England. Blotting appliance. 1,462,943; July 24.
- Royal Typewriter Company. (See Hess, Edward B., assignor.)
- Ruddle, William O. (See Leydekkers, W. H., and Ruddle.)
- Rüdenberg, Reinhold, Berlin-Grunewald, and A. Finckbein, Charlottenburg, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Manufacturing electric conductors. 1,462,580; July 24.
- Rudin, Karl V., Stockholm, Sweden. Calculating machine. 1,462,944; July 24.
- Rudnay, Andrew, Buffalo, N. Y. Micrometer attachment. 1,463,095; July 24.
- Rush, Turner C., assignor to F. G. Erd, Lexington, Ky. Bottle-cap remover. 1,463,139; July 24.
- Russell, George H., Florence, Ala. Accelerator for hot-water heating systems. 1,462,768; July 24.
- Rutledge, Richard E. (See Champlin, Charles A., assignor.)
- Ryon, Eppa H. (See Knowlton, C. E., and Ryon.)
- Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Spool-bearing bracket for yarn-tube frames. 1,462,520; July 24.
- Rysdon, Charles, Sioux Falls, S. Dak. Pan. 1,463,063; July 24.
- Saál, Henry G. (See Stafford, Frederick S., assignor.)
- Salazar, Emilio R., Habana, Cuba. Automatic train stop. 1,463,096; July 24.
- Santarsiero, Antonio V., New York, N. Y. Collapsible boat. 1,462,769; July 24.
- Sargent, Sumner B., Los Angeles, Calif. Pump-plunger rotor. 1,462,721; July 24.
- Sartore, Laurence, assignor of one-half to D. Foglia, Pittsburgh, Pa. Stitching mechanism. 1,462,521; July 24.
- Sattler, John H., assignor to The Steiger & Kerr Stove & Foundry Co., San Francisco, Calif. Gas stove. 1,462,661; July 24.
- Schaefer, Frederic. (See Summerhays, Elmer M., assignor.)
- Schaefer, John L., Flushing, N. Y. Sanitary toilet-seat cover. 1,462,662; July 24.
- Schall, Clinton W., Columbus, Ohio. Slab for building constructions. 1,462,663; July 24.
- Schaper, Harry C., assignor to The General Automatic Scale Company, St. Louis, Mo. Combination bag rack and auxiliary platform for scales. 1,462,983; July 24.
- Schenuit, Frank G., Baltimore, Md. Tire casing. 1,462,984; July 24.
- Schermer, Fred. (See Milton, W. H., and Schermer.)
- Schmidt, Albert, assignor to Fisher Body Corporation, Detroit, Mich. Doorcheck. 1,462,872; July 24.
- Schmidt, Albert R., Milwaukee, Wis. Valve-stem carbon remover. 1,462,581; July 24.
- Schmidt'sche Heissdampf Gesellschaft m. b. H. (See Thomsen, Peter, assignor.)
- Schmitz, Richard, assignor to F. P. Armbruster and R. Schmitz, trustees, Chicago, Ill. Brake. 1,462,722; July 24.
- Schmitz, Richard, assignor to F. P. Armbruster and R. Schmitz, trustees, Chicago, Ill. Brake for automobiles. 1,462,723; July 24.
- Schmitz, Richard, et al., trustees. (See Schmitz, Richard, assignor.)
- Schneider, Herman L., Glen Ullin, N. Dak., assignor of one-half to L. Miller, Chicago, Ill. Power drive unit for agricultural implements. 1,463,097; July 24.
- Schopper, Charles. (See Hungerbühler, O. J., and Schopper.)
- Schulte, Walter B., Madison, Wis., assignor to Burgess Battery Company. Position indicator. 1,462,664; July 24.
- Schultz, Paul, Des Moines, Iowa. Slide trolley. 1,462,770; July 24.
- Schuman, Solomon, Denver, Colo. Carrier for suit boxes. 1,462,831; July 24.
- Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-grinding apparatus. 1,462,985; July 24.
- Schwarzbach, William C. (See Hartman, A. A., and Schwarzbach.)
- Scott, Grover C., Watson, W. Va. Glass finishing and polishing machine. 1,462,522; July 24.
- Scott-Ullman Company. (See Ullman, Albert, assignor.)
- Sears, Roebuck and Co. (See Hoffman, Rudolph, assignor.)
- Seavey, Harry R., assignor to The C. T. Burrowes Company, Portland, Me. Game board. 1,462,724; July 24.
- Sebrings, Charles L. (See Kinnard, Frank M., assignor.)
- Sedlak, Vaclav F., Kansas City, Mo. Oil burner. 1,462,582; July 24.
- Seitz, George F., Philadelphia, Pa. Furnace attachment. 1,462,922; July 24.
- Selhorst, Bernard. (See Oppenheim, T. H., and Selhorst.)
- Sepelyak, Mike, Verona, Pa. Draft appliance for automobiles. 1,463,022; July 24.
- Sequeira, Abel, New Bedford, Mass. Resilient wheel. 1,463,064; July 24.
- Sharp, John H., Chicago, Ill. Container. 1,462,665; July 24.
- Shaw, Arthur L., assignor to Chicago Automatic Conveyor Co., Chicago, Ill. Conveyor carriage. 1,462,986; July 24.
- Shaw, Howard A., Yonkers, N. Y. Humidor. 1,462,832; July 24.
- Shockey, Henry C., and T. Fennell, Casa Grande, Ariz. Fly-catching apparatus. 1,462,873; July 24.
- Siebert, Werner, Laufenburg, Aargau, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland. Producing nitric acid by means of the electric arc. 1,462,987; July 24.
- Sieger, Henry N., Slatington, Pa. Snow guard and fender. 1,463,065; July 24.
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Rüdenberg, R., and Finckbein, assignors.)
- Signode System Inc. (See Guenther, Arthur G. G., assignor.)
- Simmons, A. E., et al. (See McAllister, Frederick J., assignor.)
- Simmons Hardware Company. (See Hawkins, Archibald W., assignor.)
- Simon, Selig, St. Louis, Mo. Chest splint. 1,462,583; July 24.
- Simonich, Louis, L'Anse, Mich. Collapsible stepladder. 1,463,023; July 24.
- Sirof, Harry. (See Sirof, Hyman and H.)
- Sirof, Hyman and H., New York, N. Y. Instantaneous hot-water heater. 1,462,988; July 24.
- Slater, Adelbert T., Bay City, Mich. Bicycle sled. 1,462,889; July 24.
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotary-cylinder motor. 1,462,874; July 24.
- Smith, Arthur A., and H. W. Paine, Eagle Grove, Iowa. Tire-chain lock and elastic take-up. 1,462,666; July 24.
- Smith, David K., assignor of one-half to J. G. Kirschner, and one-eighth to L. C. Hollberg, Denver, Colo. Placer-mining machine. 1,462,584; July 24.
- Snelling, Walter O., Allentown, Pa. Phenolic condensation product. 1,462,771; July 24.
- Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,463,131; July 24.
- Snyder, Edward R., East Orange, N. J., and C. W. Mortimer, Brooklyn, N. Y., assignors to The Barrett Company. Roof covering. 1,462,772; July 24.
- Snyder, Frank M., assignor to The Peerless Wire Goods Company, La Fayette, Ind. Detachable foot for wire trays. 1,463,098; July 24.
- Snyder, William H. (See Whitaker, R., jr., and Snyder.)
- Société Lyonnaise d'Industrie Mécanique. (See Adenot, Marius, assignor.)
- Soderberg, John G., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Yarn-tube frame. 1,462,523; July 24.
- Soreng, Edgar M., assignor to Briggs & Stratton Company, Milwaukee, Wis. Armature construction. 1,462,585; July 24.
- Soulis, Harold A., assignor to W. T. Soulis, New York, N. Y. Piston rod. 1,462,833; July 24.

- Soulis, Wilbur T. (See Soulis, Harold A., assignor.)
 Souther, E. E., Iron Company. (See Atkinson, Charles E., assignor.)
 Spahr, Robert S. (See Miller, Volney T., assignor.)
 Speck, Emil, Paterson, N. J., assignor to The Taylor-Friedsam Company, New York, N. Y. Ribbon, textile fabric, or article of similar nature. Des. 62,746; July 24.
 Spelshouse, Louis L., Baltimore, Md. Knockdown mold for cement garages. 1,462,989; July 24.
 Spencer, Horace T., Knoxville, Tenn. Insect-powder blower of the bellows type. 1,462,773; July 24.
 Spiro, Jacob H., San Francisco, Calif. Finger ring, bracelet, or similar article of manufacture. Des. 62,747; July 24.
 Spiro, Walter J., White Plains, N. Y. Automatic carburetor control. 1,462,945; July 24.
 Stadler, Mathias, Chicago, Ill. Spring mounting. 1,462,990; July 24.
 Stafford, Frederick S., assignor to H. G. Saal, Chicago, Ill. Casing for humidifiers. Des. 62,748; July 24.
 Standard Conveyor Company. (See Johnson, Arthur J., assignor.)
 Standard Conveyor Company. (See Lister, Charles H., assignor.)
 Standard Machine Company. (See Houseman, Wilbur L., assignor.)
 Steiger & Kerr Stove & Foundry Co., The. (See Sattler, John H., assignor.)
 Steinhauer, William R., and J. N. Prutzman, Mt. Vernon, Wash. Automobile headlight. 1,463,024; July 24.
 Steinke, Albert L., Pipestone, Minn. Stock-tank heater. 1,463,099; July 24.
 Steuwall, Alfred, Kewanee, Ill., assignor to Walworth Manufacturing Company, Boston, Mass. Valve. 1,462,834; July 24.
 Stephens, Clarence, Clay City, Ind. Antiglare device. 1,462,946; July 24.
 Stericker, William, Pittsburgh, Pa., assignor to Philadelphia Quartz Company. Combined board and making the same. 1,462,835; July 24.
 Stern, Charles, and G. F. Egan, Jersey City, N. J. Auto tail lamp and signal. Re15,661; July 24.
 Stevens, Frank C., Cohasset, assignor to United Printing Machinery Company, Boston, Mass. Sheet gripper. 1,462,923; July 24.
 Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-stripping apparatus. 1,462,524; July 24.
 Stewart, A. L. (See Brecht, George S., assignor.)
 Stewart, John H., Rutherford, N. J. Door hanging and securing means. 1,463,100; July 24.
 Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)
 Stich, Johann, Augsburg, Germany. Blotter. 1,463,025; July 24.
 Stockland, Arthur, assignor to C. K. Stockland, Minneapolis, Minn. Automobile bed. 1,462,667; July 24.
 Stockland, Charles K. (See Stockland, Arthur, assignor.)
 Stoddard, Ray F., Dayton, Ohio. Electrical display system. 1,462,875; July 24.
 Straiton, David, assignor to The Miller Rubber Company, Akron, Ohio. Doll. Des. 62,749; July 24.
 Straub, Oscar L., Buffalo, N. Y., and F. G. Wahl, Detroit, Mich.; said Wahl assignor to said Straub. Vapor burner. 1,463,101; July 24.
 Stromberg-Carlson Telephone Manufacturing Company. (See Powell, Winfred T., assignor.)
 Stryker, George B., jr., Memphis, Tenn. Aseptic tank. 1,463,102; July 24.
 Stuart, Bert, Seattle, Wash. Mattress. 1,462,668; July 24.
 Stuart, Ralph, Buffalo, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,750; July 24.
 Stuck, William R., assignor, by mesne assignments, to The Dazey Manufacturing Company, Los Angeles, Calif. Flower holder. 1,462,947; July 24.
 Sturtevant, B. F., Company. (See Bentley, Oliver D. H., assignor.)
 Summerhays, Elmer M., Hammond, Ind., assignor to F. Schaefer, Pittsburgh, Pa. Manufacturing connecting pins. 1,462,876; July 24.
 Summers, Eulah M., Birmingham, Ala. Bifurcated nether garment for children. Des. 62,751; July 24.
 Sutton, Mark, and T. Williams, Rio de Janeiro, Brazil. Top-roller clearer. 1,462,774; July 24.
 Swan, John W., Stamford, Conn. Carburetor control. 1,462,725; July 24.
 Tagliabue, Charles J., Manufacturing Co. (See Milker, H. P., and Roesch, assignors.)
 Taylor, Edward C., Longmeadow, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Shuttle-balancing mechanism. 1,462,586; July 24.
 Taylor-Friedsam Company. (See Speck, Emil, assignor.)
 Taylor, Harvey B., Philadelphia, Pa. Spiral casing. 1,462,890; July 24.
 Taylor, Robert L., Midway, assignor, by mesne assignments, of one-half to C. L. McKenzie, Pittsburgh, Pa. Building brick and making same. 1,462,991; July 24.
 Technical Research Works, Limited. (See Pelly, Russell G., assignor.)
 Texas Company, The. (See Adams, Joseph H., assignor.)
 Thomas, Oscar A., Oxnard, Calif. Beet puller. 1,462,948; July 24.
 Thomas, Richard K., Vicksburg, Miss. Rolls for tensioning, leveling, and straightening band saws. 1,462,836; July 24.
 Thomas, Thomas H., Edgewood, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,463,026; July 24.
 Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Arrangement for producing complementary visual and audible exhibitions. 1,462,525; July 24.
 Thompson, George W. (See Fenselau, F., and Thompson.)
 Thomsen, Peter, Cassel, assignor to Schmidt'sche Heissdampf-Gesellschaft m. b. H., Cassel-Wilhelmshöhe, Germany. Draft-regulating device. 1,462,499; July 24.
 Thomson Electric Welding Company. (See Gravel, James M., assignor.)
 Thoresen, Anton S., and F. E. Benoit, North Attleboro, Mass. Blow-out patch and tire reinforcer for automobile tires and tubes. 1,462,628; July 24.
 Thorsten, Alfred F., Brooklyn, N. Y. Clapper valve. 1,463,103; July 24.
 Tibius Olsen Testing Machine Company. (See McAdam, Duclap J., jr., assignor.)
 Tinker, Harris W., jr., Birmingham, Ala. Vehicle side-curtain construction. 1,462,992; July 24.
 Toomey, John F., New York, and W. H. Harrison, Hollis, N. Y., assignors to American Telephone and Telegraph Company. Composite ringer set. 1,462,526; July 24.
 Topham, Laurence E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lock-stitch sewing machine. 1,462,587; July 24.
 Toy Devices, Inc., The. (See De Cesare, Matteo, assignor.)
 Trefz, Carl G. (See Wright, Charles D., assignor.)
 Trivelloni, Angelo, Milan, Italy. Manufacture of nails formed in two parts. 1,462,775; July 24.
 Tully, Marks J., Brooklyn, N. Y. Snow remover. 1,462,527; July 24.
 Tunnel & Sewer Machine Engineering Company. (See Anderson, Louis W., assignor.)
 Turbine Fuel Oil Burner Co. (See Hurd, Benjamin W., assignor.)
 Turngren, Charles G., Harvey, Ill. Valve lathe. 1,462,669; July 24.
 Twardowsky, John. (See Hanson, C. C., and Twardowsky.)
 Twig, Walter R., Luton, England. Gas-fired furnace. 1,463,104; July 24.
 Tyden, Emil, Evanston, Ill. Seal locking device. 1,462,588; July 24.
 Ubil, Zachary T., Philadelphia, Pa. Device for operating automobile signals. 1,462,776; July 24.
 Ullman, Albert, assignor to The Scott-Ullman Company, Cleveland, Ohio. Lighting fixture. Des. 62,752; July 24.
 Underwood Typewriter Company. (See Hulse, William H., assignor.)
 United Printing Machinery Company. (See Stevens, Frank C., assignor.)
 United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)
 Universal Draft Gear Attachment Co. (See Wrigley, Henry I., assignor.)
 Univers Corporation. (See Hanson, C. C., and Twardowsky, assignors.)
 Valois, Félix E., Bridgeport, Conn., assignor to Hamel Shoe Machinery Company. Shoe-sewing machine. 1,462,777; July 24.
 Van Delinder, Fay L., Chicago, Ill. Candy bouquet. Des. 62,710; July 24.
 Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Shelf extension. 1,462,670; July 24.
 Veeder, Curtis H., assignor to The Veeder Manufacturing Company, Hartford, Conn. Operating device for voting-machine registers, etc. Re15,662; July 24.
 Veeder Manufacturing Company, The. (See Veeder, Curtis H., assignor.)
 Vrba, John, Chicago, Ill. Pipe or cable clamp. 1,462,671; July 24.
 Vermont Marble Company. (See Johnson, Oscar L., assignor.)
 Vickers Limited. (See Dawson, A. T., Buckham, and Larsson, assignors.)
 Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,753; July 24.
 Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,754; July 24.
 Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,755; July 24.
 Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,756; July 24.
 Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,757; July 24.

- Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,758; July 24.
- Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,759; July 24.
- Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,760; July 24.
- Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,761; July 24.
- Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,762; July 24.
- Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Body shell. Des. 62,763; July 24.
- Vinnedge, George E., Portland, Oreg. Resilient wheel. 1,462,891; July 24.
- Vitaliano, Salvatore, Hazleton, Pa. Tire fill r. 1,462,837; July 24.
- Voltz, Arthur G., Cleveland, Ohio. Lubricating rubber molds. 1,462,563; July 24.
- Voss, Henry W., and C. A. Balzer, assignors to The Monarch Carriage Goods Company, Cincinnati, Ohio. Glare shield for automobiles. 1,462,726; July 24.
- Wahl, Frederick G. (See Straub, O. I., and Wahl.)
- Walker, George H., Worcester, assignor to H. Enan & Froude, Limited, Manchester and Worcester, England. Dynamometer. 1,462,778; July 24.
- Walker, Grover C., Chicago, Ill. Ventilator. 1,462,924; July 24.
- Walls, Harold H., Jackson, Mich. Artificial bait. 1,462,940; July 24.
- Walraven, Albert T., Dallas, Tex. Gumming machine. 1,462,838; July 24.
- Walworth Manufacturing Company. (See Stenwall, Alfred, assignor.)
- Ward, William H., Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Desensitized explosive. 1,462,753; July 24.
- Washburn, Edwin C., Englewood, N. J. Friction draft gear. 1,462,892; July 24.
- Watrous, Agnes B., executrix. (See Watrous, Edward L.)
- Watrous, Edward L., deceased, El Paso, Tex., by A. B. Watrous, executrix, Evanston, Ill. Apparatus for metal-coating wire, chain, woven-wire fencing, and the like. 1,462,589; July 24.
- Watson, James H., assignor of one-half to F. Chatterton, Riverton, Wyo. Variable-speed transmission gear. 1,462,528; July 24.
- Weatherby, Calvin S., South Westville, N. J. Shipping box for carboys. 1,462,672; July 24.
- Webb, Jean F., jr., New York, N. Y., assignor to The International Signal Co. Plunger shoe. 1,463,105; July 24.
- Weber, Joseph F., Lansing, Mich. Sod-cutting plow. 1,463,106; July 24.
- Weiner, William, Philadelphia, Pa. Drawers bloomers for women. 1,462,564; July 24.
- Weitershausen, Robert H., Pittsburgh, Pa. Tone-arm stop. 1,463,107; July 24.
- Welfens, Emile J., Withington, Manchester, England. Planetary gearing. 1,462,950; July 24.
- Welfens, Emile J., Manchester, England. Planetary gearing. 1,462,951; July 24.
- Wells, Paul L., Kouts, Ind. Vacuum release for shells. 1,462,500; July 24.
- West, Harry H., Montreal, Quebec, Canada. Hosiery. Des. 62,764; July 24.
- Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
- Westinghouse Air Brake Company, The. (See Fitch, Ellery R., assignor.)
- Westinghouse Air Brake Company. (See Thomas, Thomas H., assignor.)
- Weston, Alfred S. (See Petersen, F. H., and Weston.)
- Weston, Edward B., Dayton, Ohio. Display-rack attachment. 1,462,877; July 24.
- Whaler, Herbert T., and W. A. Bryant, Miami, Fla. Laundry recorder. 1,462,952; July 24.
- Wheeler, John S., Dunsmuir, Calif. Bending machine. 1,462,673; July 24.
- Whitaker, Richard, jr., and W. H. Snyder, assignors to Bryden-Neverslip Company, New Brunswick, N. J. Feeding mechanism. 1,462,629; July 24.
- White, Gerald E., Lansing, Mich. Flash-light case. 1,462,674; July 24.
- White, J. H., Manufacturing Company. (See Villaret, Gustave E., assignor.)
- White, Wade H. (See Matthews, James F., assignor.)
- Whitefield, Charles, Victoria, British Columbia, Canada. Phonograph - reproducer diaphragm. 1,462,839; July 24.
- Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Speed-adaptor joint for power-transmitting shafts. 1,462,675; July 24.
- Wicksteed, Ralph, Kettering, England. Hack-saw machine. 1,462,779; July 24.
- Widescope (camera) Co. (See Bingham, George W., assignor.)
- Widstrand, Carl H., Lakeside, Mich. Hock for tire chains. 1,462,590; July 24.
- Wiener, Herman. (See Myers, Hubert A., assignor.)
- Wilburger, William, Brooklyn, N. Y. Spring binder post. 1,462,925; July 24.
- Wile, Raymond S., and S. H. Gobay, New York, N. Y. Vacuum-walled container. 1,463,027; July 24.
- Wilkie, Julius C., Winona, Minn. Connecting-rod and piston aligning machine. 1,462,926; July 24.
- Wilkinson, James F., Savannah, Ga. Determining free-phosphoric-acid content. 1,462,840; July 24.
- Willamette Iron & Steel Works. (See Barnes, Brown E., assignor.)
- Willetts Company, The. (See Willetts, Harry G., assignor.)
- Willetts, Harry G., Grafton, assignor to The Willetts Company, Pittsburgh, Pa. Glass-melting tank. 1,462,993; July 24.
- Williams, Harry S., Detroit, Mich. Fastener for automobile hoods. 1,462,727; July 24.
- Williams, Thomas. (See Sutton, M., and Williams.)
- Williamson, George W., Indianapolis, Ind. Jack. 1,462,878; July 24.
- Williamson, James, assignor to R. Williamson & Company, Chicago, Ill. Lighting fixture. Des. 62,765; July 24.
- Williamson, R., and Company. (See Williamson, James, assignor.)
- Willison, Ralph A., and C. N. Esberg, Portland, Oreg. Change-sign device. 1,463,108; July 24.
- Wilson, Paul B. (See Barksdale, G. R., and Wilson.)
- Wilson, Thomas, & Co. (See Giebel, Henry, assignor.)
- Wilton, Thomas O., London, England. Furnace grate. 1,462,994; July 24.
- Wingrove, William, Edgewater, Colo. Vegetable feeder for poultry. 1,462,893; July 24.
- Winston, William J. (See Mitts, P. S., and Winston.)
- Winter, John R., Lansing, Mich. Means for securing removable rims. 1,462,529; July 24.
- Witman, Ephraim, Sinking Spring, Pa. Air pump. 1,463,109; July 24.
- Wood, Walter A., Mowing & Reaping Machine Company. (See Allen, G. N., and Benway, assignors.)
- Woodward, Irving C., Syracuse, N. Y. Clutch for differential-gear-control mechanism. 1,462,879; July 24.
- Worthen, Albert J., San Francisco, Calif. Rotary fluid-pressure-producing apparatus. 1,463,110; July 24.
- Worthington Pump and Machinery Corporation. (See Carpenter, John S., assignor.)
- Wright, Charles D., assignor of one-half to C. G. Trefz, San Francisco, Calif. Spark arrester. 1,462,728; July 24.
- Wright, Wilbur L., assignor, by mesne assignments, to Oswego Falls Corporation, Fulton, N. Y. Closure disk. 1,462,995; July 24.
- Wrigley, Henry I., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Draft gear for railway cars. 1,462,676; July 24.
- Yanchik, John G., Wilkes-Barre, Pa. Lock. 1,462,780; July 24.
- Yates, John, San Francisco, Calif. Draft motor. 1,462,927; July 24.
- Ybarzabal, Edward J. (See Landlumé, G., and Ybarzabal.)
- Yeiser, Henry C. (See Ringler, William A., assignor.)
- Yokel, Frank, Pittsburgh, Pa. Building construction. 1,462,841; July 24.
- Zimmerman, George R., Brooklyn, N. Y. Doll. Des. 62,766; July 24.
- Zucker, Gottlieb F., Chicago, Ill. Combustion-engine-lubricating mechanism. 1,462,894; July 24.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Accelerator foot throttle. H. L. Carnahan. 1,463,115; July 24.
Acetylene generator, Portable. S. Plumley. 1,462,623; July 24.
Acid by means of the electric arc, Producing nitric. W. Siebert. 1,462,987; July 24.
Actuating device and making same. E. J. Guay. 1,463,015; July 24.
Advertising device. W. S. C. Glover. 1,462,745; July 24.
Agricultural fork. J. Degendorfer. 1,462,787; July 24.
Agricultural implements, Power drive unit for. H. L. Schneider. 1,463,097; July 24.
Air hammer, Valveless. J. E. Hagstrom. 1,462,961; July 24.
Aircraft, Fuselage construction for. V. E. Clark. 1,462,533; July 24.
Alarm: See—
Burglar alarm. Temperature alarm.
Knob alarm.
Alkali-metal silicates, Manufacture of. C. Degulde. 1,463,037; July 24.
Alloy and mercury dispenser. I. A. Burnett. 1,462,954; July 24.
Animal trap. C. A. Champlin. 1,462,739; July 24.
Animal trap. K. Pearson. 1,463,091; July 24.
Antiglare device. C. Stephens. 1,462,946; July 24.
Antiskid-chain hook. G. B. N. Dow and F. P. Ham. 1,463,071; July 24.
Antiskidding device. C. L. Oczkowski. 1,463,060; July 24.
Arch supporter. M. J. Condylis and J. C. Clarke. 1,462,534; July 24.
Armature construction. E. M. Soreng. 1,462,585; July 24.
Artificial bait. H. H. Walls. 1,462,949; July 24.
Aseptic tank. G. B. Stryker, jr. 1,463,102; July 24.
Automatic gun. A. T. Dawson, G. T. Buckham, C. A. Larsson. 1,462,852; July 24.
Automobile bed. A. Stockland. 1,462,667; July 24.
Automobile brake. C. E. Norton. 1,462,918; July 24.
Automobile brake. R. Schmitz. 1,462,723; July 24.
Automobile glare shield. H. W. Voss and C. A. Balzer. 1,462,726; July 24.
Automobile hood clamp. W. R. Bassick. 1,462,477; July 24.
Automobile hood clamp. R. G. Moore. 1,462,493; July 24.
Automobile hood fastener. H. S. Williams. 1,462,727; July 24.
Automobile light-dimmer switch. A. D. Gaston. 1,462,791; July 24.
Automobile radiator cap. H. A. Dent. Des. 62,711; July 24.
Automobile shield. W. G. Cox. 1,462,956; July 24.
Automobile signal. W. and J. A. Heckman. Des. 62,723; July 24.
Automobile signals, Device for operating. Z. T. Ubil. 1,462,776; July 24.
Automobile spring equalizer and shock absorber. W. J. Hackett and F. T. Abbay. 1,462,638; July 24.
Automobile traffic signal. A. Rick. 1,462,659; July 24.
Automobiles, Bumper for. G. Hainlen. 1,462,910; July 24.
Automobiles, Draft appliance for. M. Sepelyak. 1,463,022; July 24.
Automobiles, Emergency drum for. C. J. Johnson. 1,462,811; July 24.
Automobiles, Locking device for. W. O. Bayless. 1,462,999; July 24.
Automobiles, Means for utilizing power of. L. J. Gould. 1,462,936; July 24.
Automobiles, Safety fender for. J. E. Amador. 1,462,928; July 24.
Automobiles, Windshield attachment for. H. Higgin. 1,462,545; July 24.
Axle housings, Device for straightening bent or irregular. D. Camp. 1,462,955; July 24.
Axle straightener. J. E. Hanes. 1,463,082; July 24.
Baby guard. E. H. Madere. 1,463,125; July 24.
Badge. M. H. Palmer. Des. 62,742; July 24.
Bag: See—
Mouthproof bag.
Bag closure. O. Bibb. 1,463,113; July 24.
Baking frame. J. J. McConnell. 1,463,124; July 24.
Ball bearing. B. W. Hurd. 1,462,965; July 24.
Bank-cutting attachment, Sloping. C. L. George. 1,462,488; July 24.
Barges, Apparatus for unloading. L. S. Rosener. 1,462,627; July 24.
Barrel-washing machine. J. H. Miller. 1,462,917; July 24.
Baseball gloves for shipment, Support for use in packing. W. L. Graeff. 1,462,906; July 24.
Basins, Waste control for. W. H. Dehn. 1,462,853; July 24.
Batter. F. M. Kinnard. 1,462,812; July 24.
Battery: See—
Electric battery.
Batteries, Cover plate for storage. A. H. Mones. 1,462,612; July 24.
Bearing. J. Masin. 1,462,716; July 24.
Bearing, Shaft. O. Junggren. 1,463,018; July 24.
Beds and the like, Lamp fixture for. L. Roth. 1,462,498; July 24.
Beet puller. O. A. Thomas. 1,462,948; July 24.
Beet-topping mechanism. C. L. and C. W. Greening. 1,462,907; July 24.
Belt buckie. S. M. Riker. 1,462,981; July 24.
Bending machine. J. S. Wheeler. 1,462,673; July 24.
Bending pipe, Machine for. C. Gabrielson. 1,462,935; July 24.
Bicycle sled. A. T. Slater. 1,462,889; July 24.
Binder post, Spring. W. Wilburger. 1,462,925; July 24.
Blind advertising device, Roller. W. H. Leydekkers and W. O. Ruddle. 1,463,087; July 24.
Block: See—
Pulley block.
Blotter. J. Stich. 1,463,025; July 24.
Blotting appliance. H. Rottenburg. 1,462,943; July 24.
Blower or suction fan. C. A. Kuenzel, jr. 1,462,557; July 24.
Board: See—
Game board. Ironing board.
Board and making the same, Combined. W. Stericker. 1,462,835; July 24.
Boat, Collapsible. A. V. Santarsiero. 1,462,769; July 24.
Boat, Foldable. J. N. Clemmer. 1,462,800; July 24.
Body shell. G. E. Villaret. Des. 62,763; July 24.
Boiler: See—
Combination boiler. Steam boiler.
Bolt: See—
Tire-mold-clamping bolt.
Boots and shoes, Means for measuring or marking off the sizes of half soles of. 1,462,699; July 24.
Bottle-cap remover. F. C. Rush. 1,463,139; July 24.
Bottle-cleaning apparatus. C. H. Loew and J. R. Gruetter. 1,462,512; July 24.
Bottle-handling device. H. Hillmann. 1,462,546; July 24.
Bottle-washing machine. O. C. Grenzke. 1,462,598; July 24.
Box: See—
Color box. Feed box.
Box. C. A. Fox. 1,463,074; July 24.
Box. J. F. Matthews. 1,463,059; July 24.
Box fastener. R. Rainalter. 1,462,657; July 24.
Box for carboys, Shipping. C. S. Weatherby. 1,462,672; July 24.
Box straps, Machine for applying. A. G. G. Guenther. 1,462,960; July 24.
Brace. E. E. Johnson. 1,462,702; July 24.
Bracelet. C. M. Levy. Des. 62,738; July 24.
Bracket back. G. E. Villaret. Des. 62,753; July 24.
Bracket back. G. E. Villaret. Des. 62,755-8; July 24.
Brake: See—
Automobile brake. Vehicle brake.
Fluid-pressure brake.
Brake. R. Schmitz. 1,462,722; July 24.
Brake-rod attachment. J. W. Connell and J. Armstrong. 1,462,932; July 24.
Brassière. I. S. Jerome. 1,462,966; July 24.
Brick and making same, Building. R. L. Taylor. 1,462,991; July 24.
Brick, Slate. E. P. Engelbrecht. 1,462,596; July 24.
Bridge, Portable. R. D. Gallagher. 1,462,541; July 24.
Briquettes, Manufacture of. T. Rigby. 1,463,094; July 24.
Brooms, Scraper attachment for. W. Roberts. 1,462,829; July 24.
Brush holder. W. J. Hines. Des. 62,726; July 24.
Bucket-operating mechanism, Clamshell. S. O. Nafziger. 1,463,090; July 24.

- Building blocks, Machine for molding. H. C. Neuberger. 1,462,614; July 24.
- Building blocks, Mold for making. J. G. Davis. 1,463,007; July 24.
- Building construction. F. Yokel. 1,462,841; July 24.
- Building constructions, Slab for. C. W. Schall. 1,462,663; July 24.
- Building-material composition. F. J. McAllister. 1,463,123; July 24.
- Bunch builder. F. K. Petrea and W. J. Jordan. 1,462,919; July 24.
- Burglar alarm. A. Pelletier. 1,462,941; July 24.
- Burner: See—
 Fluid-fuel burner. Oil burner.
 Gas burner. Vapor burner.
 Lampblack burner.
- Button, Secure collar. F. X. List. 1,462,509; July 24.
- Cabinet. F. W. Reynolds. Des. 62,744; July 24.
- Calculating machine. R. G. C. Boa. 1,462,567; July 24.
- Calculating machine. K. V. Rudin. 1,462,944; July 24.
- Can spout. C. K. Raber. 1,462,820; July 24.
- Candle, Sealing-wax. H. Hohmann. 1,462,601; July 24.
- Candy bouquet. F. L. Van Delinder. Des. 62,710; July 24.
- Car axles, Lubricating journal box for. H. V. Boddy. 1,462,736; July 24.
- Car doors, Lock for freight. F. Mathews. 1,462,916; July 24.
- Car grain doors, Protector for. H. S. Eckhouse. 1,463,010; July 24.
- Cars, Center drive for gasoline-propelled. C. B. Manbert. 1,462,713; July 24.
- Cars, Door for freight. L. H. Banks. 1,462,565; July 24.
- Cars, Draft gear for railway. H. I. Wrigley. 1,462,676; July 24.
- Cars, etc., Safety brake for. S. A. Crow. 1,462,741; July 24.
- Carbon catalyst. C. B. Jacobs. 1,462,752; July 24.
- Carburetor. M. J. B. Barbarou. 1,462,782; July 24.
- Carburetor. A. C. Bennett. 1,463,034; July 24.
- Carburetor control. J. W. Swan. 1,462,725; July 24.
- Carburetor control, Automatic. W. J. Spiro. 1,462,945; July 24.
- Carrier: See—
 Tire-chain carrier.
- Carrier. A. V. Barto. 1,462,897; July 24.
- Cartridge magazine. I. N. Lewis. 1,462,972; July 24.
- Case: See—
 Cigarette case. Waterproof carrying case.
 Flash-light case.
- Cashier protector. J. Babiarz. 1,462,781; July 24.
- Cement. H. G. Hall. 1,462,747; July 24.
- Cement-aggregate composition, Preparing bituminous. S. E. Finley. 1,462,904; July 24.
- Cement blocks, Apparatus for molding. A. Federicci. 1,462,569; July 24.
- Chair: See—
 Convertible chair. Rail chair.
- Change maker, Selective. A. Beck. 1,462,679; July 24.
- Change-speed-gear mechanism. J. Cotal. 1,462,740; July 24.
- Character construction, Interchangeable. M. J. Hogan. 1,462,547; July 24.
- Charm. A. B. Lemon. Des. 62,736; July 24.
- Chaser bars, Method and means for truings. C. Jobst. 1,462,701; July 24.
- Check, Automatic roving. G. R. Barksdale and P. B. Wilson. 1,462,896; July 24.
- Cheese press. G. Kohlmeier. 1,462,863; July 24.
- Chest splint. S. Simon. 1,462,583; July 24.
- Chocolate mixing and melting machine. O. A. Labus and C. H. Peth. 1,462,602; July 24.
- Cigarette case, Waterproof. E. G. Bell. 1,462,846; July 24.
- Clamp: See—
 Automobile hood clamp.
- Clip: See—
 Door clip. Pencil-holding clip.
- Clip. G. Andersen. 1,462,591; July 24.
- Clothes hanger and trousers creaser, Combination. E. V. Bowe. 1,463,003; July 24.
- Clutch or coupler, Hydraulic. H. S. Hele-Shaw. 1,462,600; July 24.
- Coal coking. S. R. Illingworth. 1,462,576; July 24.
- Coffee-making apparatus. A. W. Meyer. 1,462,610; July 24.
- Color box. J. J. Bohock. 1,462,479; July 24.
- Colors in nonaqueous solvents, Producing azo. W. J. Murray. 1,462,613; July 24.
- Colored article. N. V. de Lipski. 1,462,536; July 24.
- Combination boiler. C. R. Kline. 1,462,862; July 24.
- Combustion, Apparatus for controlling. F. H. Brown. 1,463,142; July 24.
- Combustion, Controlling. F. H. Brown. 1,463,141; July 24.
- Combustion, Controlling. F. H. Brown. 1,463,143; July 24.
- Combustion-engine-lubricating mechanism. G. F. Zucker. 1,462,894; July 24.
- Compressor. C. C. Hanson and J. Twardowsky. 1,462,695; July 24.
- Concrete wall board and studding, Combination. E. J. Phelan. 1,462,622; July 24.
- Confections, Process and apparatus for making. W. S. Cloud. 1,462,883; July 24.
- Connecting-rod and piston aligning machine. J. C. Wilkie. 1,462,926; July 24.
- Contact and making same. L. A. Mau. 1,462,609; July 24.
- Container. J. H. Sharp. 1,462,665; July 24.
- Container, Vacuum-walled. R. S. Wile and S. H. Gobay. 1,463,027; July 24.
- Convertible chair. B. W. Goebel. 1,462,959; July 24.
- Conveyer. I. W. England. 1,463,011; July 24.
- Conveyer carriage. A. L. Shaw. 1,462,986; July 24.
- Conveyer, Reciprocating. C. H. Lister. 1,462,510; July 24.
- Conveyer system, Reciprocating. C. H. Lister. 1,462,511; July 24.
- Cooking utensil. J. A. Pierce. 1,462,818; July 24.
- Coring machine. E. A. Bostrom. 1,463,114; July 24.
- Corn-husking machines, Rolls for. T. H. Oppenheim and B. Selhorst. 1,462,815; July 24.
- Corner construction, Interfitting. E. Ohnstrand. 1,462,617; July 24.
- Cough tablet. M. R. Durante. Des. 62,712; July 24.
- Coupler device. F. J. Reichmann. 1,462,921; July 24.
- Coupling: See—
 Pipe coupling.
- Coupling or tool joint. C. E. Reed and M. Czeftzick. 1,462,824; July 24.
- Cover and cover-securing means. M. L. Hillmer. 1,463,147; July 24.
- Crank-shaft-turning tool and automatically-reciprocating mechanism for supporting and operating the same, Combined. F. H. Petersen and A. S. Weston. 1,462,979; July 24.
- Crate, Combination animal. A. L. Allred. 1,462,755; July 24.
- Crossing signal. J. A. Manta. 1,463,127; July 24.
- Crusher: See—
 Fruit crusher.
- Cultivator. A. W. Reynolds. 1,463,138; July 24.
- Current from an alternating circuit and means therefor, Producing direct. G. B. Coleman. 1,462,633; July 24.
- Currents, Means and method of conversion between alternating and direct. G. B. Coleman. 1,462,634; July 24.
- Currents, Method and apparatus for rectifying polyphase. G. B. Coleman. 1,462,632; July 24.
- Curtain, drapery, and the like. E. H. Flagg. 1,463,013; July 24.
- Curtain roller. C. O. Mathews. 1,462,866; July 24.
- Curtains, draperies, and the like, Making. E. H. Flagg. 1,463,014; July 24.
- Cylinder motor, Rotary. F. M. Slater. 1,462,874; July 24.
- Cylinder-shaping machine. A. V. Felten. 1,463,073; July 24.
- Dental appliance unit. O. H. and A. F. Pieper. 1,462,656; July 24.
- Dental suction plate. J. Petry. 1,462,888; July 24.
- Derricks, Reinforcing structure for. C. J. Gougler. 1,462,746; July 24.
- Dis-revolving device. L. H. Fleron. 1,462,571; July 24.
- Die mounting. C. A. Kropp. 1,462,556; July 24.
- Disk, Closure. W. L. Wright. 1,462,995; July 24.
- Display container, Counter. T. F. Emerson. 1,462,502; July 24.
- Display-rack attachment. E. B. Weston. 1,462,877; July 24.
- Doll. H. M. Robinson. Des. 62,745; July 24.
- Doll. D. Straiton. Des. 62,749; July 24.
- Doll. G. R. Zimmerman. Des. 62,766; July 24.
- Door. O. E. Gibson. 1,462,806; July 24.
- Door and brake control device. E. R. Fitch. 1,463,040; July 24.
- Door clip, Screen. J. Heard. 1,463,119; July 24.
- Door-closing device. J. Hauenstein. 1,462,544; July 24.
- Door hanger. F. K. Fassett. 1,462,694; July 24.
- Door hanging and securing means. J. H. Stewart. 1,463,100; July 24.
- Doors or gates, Means for automatically opening. G. N. Givens. 1,463,079; July 24.
- Doorcheck. A. Schmidt. 1,462,872; July 24.
- Draft motor. J. Yates. 1,462,927; July 24.
- Draft-regulating device. P. Thomsen. 1,462,499; July 24.
- Drawers bloomers for women. W. Weiner. 1,462,564; July 24.
- Dredges, Floating discharge pipe for hydraulic. A. W. Robinson. 1,462,830; July 24.
- Dress form, Modeling. I. F. Koblinsky. 1,462,555; July 24.
- Dresses, Spot trimming for. E. Culotta. 1,462,594-5; July 24.
- Drying material, Apparatus for. O. Pfeiffer. 1,462,621; July 24.
- Dump body. A. B. McKinley. 1,462,814; July 24.
- Dynamometer. G. H. Walker. 1,462,778; July 24.
- Egg separator. R. A. McCrone. 1,462,606; July 24.
- Electric battery. W. R. Loveman. 1,462,795; July 24.
- Electric conductors, Manufacturing. R. Ridenberg and A. Finchbein. 1,462,580; July 24.
- Electric machine adapted for synchronous working, Dynamo. L. J. Hunt. 1,463,017; July 24.
- Electric wall bracket. T. E. Dahl. Des. 62,705; July 24.

- Electrical display system. R. F. Stoddard. 1,462,875; July 24.
- Electrical recording instrument. F. H. Bowman. 1,463,004; July 24.
- Electrical switch. C. A. Deas. 1,462,690; July 24.
- Elevators, Emergency controller for. A. J. Johnson. 1,462,507; July 24.
- Engine: *See*—
- Internal-combustion engine.
- Engine and parts thereof, Internal-combustion. C. W. Philip. 1,462,654; July 24.
- Engine starter. W. L. McGrath. 1,462,973; July 24.
- Engines, Burning fuel oil in internal-combustion. E. L. Lowe. 1,462,514; July 24.
- Engines, Carbureting apparatus for internal-combustion. J. B. Bartholomew. 1,462,845; July 24.
- Engines, Ignition-wiring and conductor for internal-combustion. D. H. Ladd. 1,462,706; July 24.
- Engraving machine. C. C. Bruckner. 1,462,682; July 24.
- Envelope, Novelty. W. E. Lover. 1,462,513; July 24.
- Excavator. W. Otto. 1,462,494; July 24.
- Exhibitions, Arrangement for producing complementary visual and audible. G. K. Thompson. 1,462,525; July 24.
- Explosive, Desensitized. W. H. Ward. 1,462,753; July 24.
- Eyeshield, Nonglare. F. W. Bonner. 1,462,532; July 24.
- Faucet. C. J. Muend. Des. 62,740; July 24.
- Fe-d box, Poultry. F. T. Huntington. 1,462,751; July 24.
- Feeder and mixers, Percentage. A. D. MacLellan. 1,462,649; July 24.
- Feeding mechanism. R. Whitaker, jr., and W. H. Snyder. 1,462,629; July 24.
- Films, Mechanism for rewinding. H. A. de Vry. 1,462,487; July 24.
- Finger ring, bracelet, or similar article. S. Eisenberg. Des. 62,713; July 24.
- Finger ring, bracelet, or similar article of manufacture. J. H. Spiro. Des. 62,747; July 24.
- Fire-extinguisher system, Stationary chemical mixing. J. W. Enright. 1,463,072; July 24.
- Fish, Machine for treating. M. J. Abbott. 1,463,111; July 24.
- Fishing-line bobber, Adjustable. O. Olson. 1,463,020; July 24.
- Fishing-rod-repair device. D. M. Hudson. 1,463,084; July 24.
- Fishing tackle. E. M. Roberts. 1,463,062; July 24.
- Flash-light case. G. E. White. 1,462,674; July 24.
- Fleshing machine. S. Friedman. 1,463,076; July 24.
- Flour to bleach same and open starch cells, Machine and process for remilling finished. W. G. Andrews. 1,462,730; July 24.
- Flower holder. W. R. Stuck. 1,462,947; July 24.
- Fluid control, Automatic. W. H. Milton and F. Schermer. 1,463,129; July 24.
- Fluid-fuel burner. J. Bliss. 1,462,680; July 24.
- Fluid-pressure brake. T. H. Thomas. 1,463,026; July 24.
- Fluid-pressure producing apparatus, Rotary. A. J. Worthen. 1,463,110; July 24.
- Fluid-separating mediums and fluid-separating medium produced thereby, Producing. T. M. Chance. 1,462,881; July 24.
- Fly-catching apparatus. H. C. Shockey and T. Fennell. 1,462,873; July 24.
- Flying-machine supporting surface. H. Junkers. 1,462,704; July 24.
- Foot rest. A. H. Engmark. 1,462,597; July 24.
- Fork: *See*—
- Agricultural fork.
- Frame: *See*—
- Baking frame. Yarn-tube frame.
- Saw frame.
- Fruit crusher. P. C. De Luca and M. L. Insogna. 1,462,801; July 24.
- Fuel-mixing device. G. M. Hart. 1,462,750; July 24.
- Fuel-mixture heating and vaporizing device. W. W. Grant. 1,463,133; July 24.
- Fuel saver. J. V. Green. 1,462,503; July 24.
- Fur softening and cleaning machine. S. Friedman. 1,463,075; July 24.
- Furnace: *See*—
- Gas-fired furnace. Waste-burning furnace.
- Heating furnace.
- Furnace. A. Festa. 1,462,540; July 24.
- Furnace attachment. G. F. Seitz. 1,462,922; July 24.
- Furnace for melting and casting. G. H. Benjamin. 1,462,899; July 24.
- Furnace grate. T. O. Wilton. 1,462,994; July 24.
- Furnace wall. M. Liptak. 1,463,044; July 24.
- Furnace wall. M. Liptak. 1,463,046-50; July 24.
- Furnace wall. M. Liptak. 1,463,052-8; July 24.
- Furnace-wall structure. M. Liptak. 1,463,045; July 24.
- Furnaces, Partition wall for. M. Liptak. 1,463,051; July 24.
- Fuse, Electric. B. J. Grigsby. 1,462,489; July 24.
- Fuse, Knife-blade. E. H. Ellison. 1,463,038; July 24.
- Game board. H. R. Seavey. 1,462,724; July 24.
- Garages, Knockdown mold for cement. L. L. Spelshouse. 1,462,989; July 24.
- Garment for children, Bifurcated nether. E. M. Summers. Des. 62,751; July 24.
- Gas burner. H. Ginger. 1,462,756; July 24.
- Gas fired furnace. W. R. Twigg. 1,463,104; July 24.
- Gas generator. J. M. Kirby and B. E. Hartson. 1,462,705; July 24.
- Gas-pressure regulator. R. Gilmour and E. E. Cook. 1,462,958; July 24.
- Gasoline filter. M. E. E. Dardani. 1,463,006; July 24.
- Gate. J. E. Post. 1,462,766; July 24.
- Gauge: *See*—
- Pressure gauge.
- Gear and thrust bearing, Combined. F. E. Knapp. 1,462,938; July 24.
- Gear-control mechanism, Clutch for differential. I. C. Woodward. 1,462,879; July 24.
- Gear, Friction draft. E. C. Washburn. 1,462,892; July 24.
- Gear-grinding apparatus. C. H. Schurr. 1,462,985; July 24.
- Gear-shift mechanism. J. S. Alsbaugh. 1,462,530; July 24.
- Gear, Transmitting and reversing. R. Boninsegni. 1,462,900; July 24.
- Gear, Variable-speed transmission. J. H. Watson. 1,462,528; July 24.
- Gears to their axes, Tool for removing from or applying differential. W. C. Bakels. 1,463,031; July 24.
- Gearing, Planetary. E. J. Welfens. 1,462,950; July 24.
- Gearing, Planetary. E. J. Welfens. 1,462,951; July 24.
- Generator: *See*—
- Acetylene generator. Gas generator.
- Glass-drawing mechanism, Sheet. T. S. Owens. 1,462,495; July 24.
- Glass finishing and polishing machine. G. C. Scott. 1,462,522; July 24.
- Glass frame and mirror, Combination chipped. J. Keczur. Des. 62,731; July 24.
- Glass frame and mirror, Combination colored chipped. J. Keczur. Des. 62,732; July 24.
- Glass-handling apparatus. F. O'Neill. 1,462,652; July 24.
- Glass-melting tank. H. G. Willetts. 1,462,993; July 24.
- Glass, Process and apparatus for feeding. W. J. Miller. 1,462,491; July 24.
- Gown, Hospital. E. McElroy. 1,462,515; July 24.
- Graphophone records, Transportation package for. J. P. and O. J. Karst. 1,462,642; July 24.
- Grinding disks, Truing device for. J. R. Beckett. 1,463,033; July 24.
- Grinding machine. W. C. Osterholm. 1,462,653; July 24.
- Gumming machine. A. T. Walraven. 1,462,838; July 24.
- Hair clipper. F. L. Gray. Ref. 5,660; July 24.
- Hair curler. L. G. Agostini. 1,463,028; July 24.
- Hair curler. J. D. Coughlin. 1,462,484; July 24.
- Hair-waving device. O. J. Hungerbühler and C. Schopper. 1,463,085; July 24.
- Hanger: *See*—
- Door hanger.
- Harvester, Beet. R. F. Gilmore and W. G. Johannsen. 1,463,078; July 24.
- Harvester, Beet. C. L. and C. W. Greening. 1,462,908; July 24.
- Harvester, binders, Grain shocker for. J. E. Dery. 1,462,538; July 24.
- Harvester, Ensilage. C. W. H. Miller. 1,462,765; July 24.
- Harvesting machine, Beet. J. Devey. 1,462,486; July 24.
- H. adlight, Automobile. W. R. Steinbauer and J. R. Prutzman. 1,463,024; July 24.
- Headrest. A. Q. Hancock. 1,463,081; July 24.
- Heat, Utilizing residual. A. S. Cooper. 1,462,851; July 24.
- Heater: *See*—
- Stock-tank heater. Water heater.
- Heater for furnaces, stoves, or apartments, Gas. T. E. Kreutzer. 1,462,643; July 24.
- Heating furnace, Steel. J. Hundley. 1,462,639; July 24.
- Heating systems, Accelerator for hot-water. G. H. Russell. 1,462,768; July 24.
- Heating unit. W. H. Dalton. 1,463,005; July 24.
- Heel for boots and shoes. D. Hill. Des. 62,725; July 24.
- Heel, Shoe. D. Freeman. Des. 62,717; July 24.
- Hinge, Gate. C. W. Hinkle. 1,462,759; July 24.
- Hive entrance. M. V. Lovett. 1,462,711; July 24.
- Hog trough. W. R. Hemelstrand. 1,462,793; July 24.
- Hone or road leveler, Portable reversible grade. S. B. Jamieson. 1,462,577; July 24.
- Hook: *See*—
- Antiskid-chain hook.
- Horseshoes, Apparatus for the manufacture of. J. H. Farrer. 1,463,012; July 24.
- Hose coupler, Automatic air. S. J. W. Rader. 1,462,821; July 24.
- Hosiery. H. H. West. Des. 62,764; July 24.
- Humidifiers, Casing for. F. S. Stafford. Des. 62,748; July 24.
- Humidor. H. A. Shaw. 1,462,832; July 24.
- Husking rolls. F. B. Dues. 1,462,539; July 24.
- Ignition timer. J. H. Hunt. 1,462,860; July 24.
- Illuminated sign. S. and A. E. Christenson. 1,462,840; July 24.
- Index. J. H. Rand. 1,462,497; July 24.
- Index device. J. H. Rand. 1,462,822; July 24.
- Index tab. W. A. Ringier. 1,462,626; July 24.

Indicator: See—

Position indicator.
 Innersoles, Rib tightener for Gem. T. F. Hart. 1,462,792; July 24.
 Insect-powder blower of the bellows type. H. T. Spencer. 1,462,773; July 24.
 Insulating wall. H. B. Lindsay. 1,462,648; July 24.
 Internal-combustion engine. G. Berry. 1,462,848; July 24.
 Internal-combustion engine. W. H. Putnam. 1,462,767; July 24.
 Ironing board. J. P. Dorau. 1,463,068; July 24.
 Ironing boards, Foldable. J. P. Dorau. 1,463,069-70; July 24.
 Ironing machine. L. Gschwind. 1,462,757; July 24.
 Jack. G. W. Williamson. 1,462,878; July 24.
 Journal box and hub liner, Sectional. C. N. Barton. 1,462,929; July 24.
 Knitting machine, Circular-. W. L. Houseman. 1,462,551; July 24.
 Knob alarm. A. G. Pappadakis. 1,462,496; July 24.
 Lace. H. Giebel. Des. 62,719; July 24.
 Lace. W. Helbig. Des. 62,724; July 24.
 Lace. J. Langenegger. Des. 62,735; July 24.
 Ladder attachment. H. Hunt. 1,462,505; July 24.
 Lamp and signal, Auto tail. C. Stern and G. F. Egan. Re15,661; July 24.
 Lamp and sound-reproducing device, Combined. W. Erni and A. E. Lange, jr. Des. 62,714; July 24.
 Lamp casings, Lens mounting for. E. G. K. Anderson. 1,462,472; July 24.
 Lamp stand, Electric. I. L. Kleinfeld. Des. 62,734; July 24.
 Lampblack burner. J. L. Dostal. 1,462,691; July 24.
 Lapboard for card players, Collapsible. B. W. Alpinier. 1,462,471; July 24.
 Latch. Presser-foet. H. Maimin and A. Freddy. 1,462,650; July 24.
 Lath. M. E. Roberts. 1,462,579; July 24.
 Laundry recorder. H. T. Whaler and W. A. Bryant. 1,462,952; July 24.
 Light and signaling device, Combination tail. D. A. Krick. 1,462,969; July 24.
 Lighting fixture. R. C. Pfeager. Des. 62,743; July 24.
 Lighting fixture. A. Ullman. Des. 62,752; July 24.
 Lighting fixture. J. Williamson. Des. 62,765; July 24.
 Lighting-fixture arm. F. S. Crowell. Des. 62,695; July 24.
 Lighting-fixture arm. G. E. Villaret. Des. 62,754; July 24.
 Lighting-fixture arm. G. E. Villaret. Des. 62,759-62; July 24.
 Lighting-fixture band. T. E. Dahl. Des. 62,709; July 24.
 Lighting-fixture bracket. F. S. Crowell. Des. 62,692; July 24.
 Lighting-fixture holder. R. A. L'Ecuier and L. S. Marks. 1,462,692; July 24.
 Lighting-fixture husk. F. S. Crowell. Des. 62,704; July 24.
 Lighting-fixture plate. F. S. Crowell. Des. 62,696-7; July 24.
 Lighting-fixture plate. F. S. Crowell. Des. 62,703; July 24.
 Lighting fixtures, Bracket back for. T. E. Dahl. Des. 62,706; July 24.
 Lighting fixtures, Body part for. T. E. Dahl. Des. 62,707; July 24.
 Lighting fixtures, Bracket lantern for. F. S. Crowell. Des. 62,693; July 24.
 Lighting fixtures, Bracket plate for. F. S. Crowell. Des. 62,700; July 24.
 Lighting fixtures, Coiling lantern for. F. S. Crowell. Des. 62,694; July 24.
 Lighting fixtures, Chandelier for. F. S. Crowell. Des. 62,701-2; July 24.
 Lighting fixtures, Chandelier for. F. Fleischauer. Des. 62,715; July 24.
 Lighting fixtures, Socket cover for. T. E. Dahl. Des. 62,708; July 24.
 Lighting fixtures, Top for shade for. F. S. Crowell. Des. 62,698-9; July 24.
 Link. J. N. Lagasse. 1,463,043; July 24.
 Loading and grading device. J. R. Canion. 1,462,785; July 24.
 Lock: See—
 Sash lock.
 Lock. O. E. Gibson. 1,462,805; July 24.
 Lock. A. Primak. 1,462,869; July 24.
 Lock. O. C. Rixson. 1,462,826-8; July 24.
 Lock. J. G. Yanchik. 1,462,780; July 24.
 Lock switch. H. A. Chum. 1,462,684; July 24.
 Locking device, Seal. E. Tyden. 1,462,588; July 24.
 Locomotives, Safety attachment for. W. C. Patterson. 1,462,619; July 24.
 Loom. C. F. Lavalie. 1,462,603; July 24.
 Loom, Narrow-ware. E. R. Holmes. 1,462,549; July 24.
 Loom pickers, Buffer check for. J. J. Kurtz. 1,462,508; July 24.
 Looms, Feeler mechanism for. I. Snow. 1,463,131; July 24.
 Looms, Wire head for. O. J. and F. Pickard. 1,462,920; July 24.
 — Lubricant. J. A. Burton. 1,462,799; July 24.
 — Lubricant and preparing same. R. G. Pelly. 1,463,092; July 24.

Lubricating system. E. W. Davis. 1,462,689; July 24.
 Machine-control mechanism. C. H. Gill. 1,462,808; July 24.
 Manifold, Intake. A. C. Bennett. 1,463,035; July 24.
 Manufacturing connecting pins. E. M. Summerhays. 1,462,876; July 24.
 Manure-spreader body construction. G. N. Allen and E. H. Benway. 1,462,996; July 24.
 Match container. S. A. Leane. 1,462,971; July 24.
 Match-igniting device. W. J. Mosbier. 1,462,978; July 24.
 Mathematical top. J. B. Rogers. 1,462,870; July 24.
 Mattress. B. Stuart. 1,462,668; July 24.
 Measuring and cutting device. I. Rosenberg. 1,462,871; July 24.
 Medallion, emblem, button, or similar article. P. F. Leon. Des. 62,737; July 24.
 Memorandum tablet and holder. H. L. Bush and A. M. Hamblet. 1,462,683; July 24.
 Mesh and similar fabric. Machine for making link. K. F. A. Rolle. 1,462,982; July 24.
 Metal, Apparatus for crushing corrugated. C. E. Atkinson. 1,462,474; July 24.
 Metal, Crushing corrugated. C. E. Atkinson. 1,462,475; July 24.
 Metal wheel. L. Fine. 1,462,957; July 24.
 Meter-tester apparatus; Multiple. P. Mueller. 1,462,718; July 24.
 Micrometer attachment. A. Rudnay. 1,463,095; July 24.
 Mining machine, Placer-. D. K. Smith. 1,462,584; July 24.
 Mining-machine bit. N. K. Bowman. 1,462,681; July 24.
 Mixing materials, Method of and apparatus for. G. W. Denison. 1,462,485; July 24.
 Mop holder. H. K. Kumpunen. 1,462,794; July 24.
 Mothproof bag. B. Bernstein. 1,463,002; July 24.
 Motor: See—
 Cylinder motor. Draft motor.
 Motor controller. T. E. Barnum. 1,462,476; July 24.
 Motors, Mounting for electric. A. F. Batchelder. 1,462,998; July 24.
 Music-leaf turner. F. Mash. 1,462,715; July 24.
 Nails formed in two parts, Manufacture of. A. Trivelloni. 1,462,775; July 24.
 Nozzle brush, Rotary. S. F. Gulba. 1,462,909; July 24.
 Oil burner. V. F. Sedlak. 1,462,582; July 24.
 Oil-converting apparatus. J. H. Adams. 1,462,678; July 24.
 Oil-converting process for the conversion and transformation of oils. J. H. Adams. 1,462,677; July 24.
 Oil discharging from oil wells, Preventing emulsification of. R. G. Jones. 1,462,748; July 24.
 Oil saver. C. F. Rigby. 1,462,518; July 24.
 Oiling device, Spring-. W. G. Martin. 1,462,562; July 24.
 Ore-handling apparatus. C. E. Davis. 1,462,688; July 24.
 Oven, Portable. I. H. Pawlick. 1,463,061; July 24.
 Package-forming machine. F. E. Beam. 1,462,566; July 24.
 Pan. C. Rysdon. 1,463,063; July 24.
 Pans, Handle for ple. H. S. Altman. 1,462,880; July 24.
 Paper pulp, Making. B. J. Bellinger. 1,463,000; July 24.
 Paper-punching press. E. Leschhorn. 1,462,559; July 24.
 Pen, Check-writing fountain. M. M. Lang. 1,462,864; July 24.
 Pencil. B. Goldstein. Des. 62,720; July 24.
 Pencil-holding clip. T. E. Marchand. 1,462,714; July 24.
 Phenolic condensation product. W. O. Snelling. 1,462,771; July 24.
 Phonograph. W. V. Meyer. 1,462,867; July 24.
 Phonograph records, Method of and apparatus for making. G. Allegretti. 1,462,729; July 24.
 Phonograph - reproducer diaphragm. C. Whitefield. 1,462,839; July 24.
 Phosphoric-acid content, Determining free-. J. F. Wilkinson. 1,462,840; July 24.
 Phosphorus oxychloride, Production of. R. L. Andreau. 1,462,732; July 24.
 Photographic objective. C. Graf. 1,463,132; July 24.
 Photoprinting machines, Presser-back mechanism for. G. M. Dye. 1,463,009; July 24.
 Picker-stick check. A. Massey and A. Benson. 1,463,128; July 24.
 Picture device, Motion. G. W. Bingham. 1,462,784; July 24.
 Picture-projecting machines, Control mechanism for motion. N. T. Burgess. 1,462,931; July 24.
 Pipe: See—
 Smoking pipe.
 Pipe coupling. R. F. Haughey. 1,462,698; July 24.
 Pipe or cable clamp. J. Vrba. 1,462,671; July 24.
 Pipes, Adjustable boot for. C. M. Buller. 1,462,482; July 24.
 Piston. M. W. Barwald. 1,462,501; July 24.
 Piston and manufacturing same. C. W. Philip. 1,462,655; July 24.
 Piston - ring - groove carbon scraper. C. Amundson. 1,462,895; July 24.
 Piston rod. H. A. Soulis. 1,462,833; July 24.
 Pistons, piston rings, and cylinders, and specially-prepared piston rings, Treating. O. W. Gerleman. 1,462,855; July 24.
 Pistons, Positioning means for. L. R. Davis and R. M. Hughes. 1,462,742; July 24.
 Plate or similar article. E. M. Bottome. Des. 62,688-90; July 24.

- Plate or similar article. P. Jenner. Des. 62,728-30; July 24.
- Plate or similar article. R. Stuart. Des. 62,750; July 24.
- Plow, Sod-cutting. J. F. Weber. 1,463,106; July 24.
- Plug, Attachment. W. H. Harrington. Des. 62,722; July 24.
- Plunger shoe. J. F. Webb, jr. 1,463,105; July 24.
- Portable table. A. A. Hartman and W. C. Schwarzbach. 1,462,856; July 24.
- Position indicator. W. B. Schulte. 1,462,664; July 24.
- Post: *See—*
- Binder post.
- Poultry, Vegetable feeder for. W. Wingrove. 1,462,893; July 24.
- Power plant. E. Adamson. 1,462,470; July 24.
- Power-transmission appliance. H. A. Richardson. 1,462,658; July 24.
- Power-transmitting shafts, Speed-adaptor joint for. F. G. Whittington. 1,462,675; July 24.
- Power unit, Movable. M. E. Layne. 1,462,708; July 24.
- Pneumatic system. B. S. Aikman. 1,462,842; July 24.
- Press: *See—*
- Cheese press.
- Paper-punching press.
- Pressure gauge. P. M. Gelatt. 1,462,570; July 24.
- Preheating and vaporizing device. Charge. J. O. Anderson and O. P. Peterson. 1,462,844; July 24.
- Price marker, Adjustable. W. A. Ringle. 1,462,825; July 24.
- Profile-defining apparatus. E. N. Clark. 1,462,850; July 24.
- Pulverulent or granular material continuously supplied in a controlled stream, Device for distributing. H. Behrens. 1,462,847; July 24.
- Puller: *See—*
- Belt puller.
- Pulley block. B. E. Barnes. 1,462,630-1; July 24.
- Pump, Air. E. Witman. 1,463,109; July 24.
- Pump-plunger rotor. S. B. Sargent. 1,462,721; July 24.
- Punch and dies, Compound progressive. G. Becherer, jr. 1,462,733; July 24.
- Punch, Shank and bit. H. V. Haight. 1,463,134; July 24.
- Queen and drone trap, Collapsible. J. B. Cottam. 1,462,933; July 24.
- Racing course, Mechanical. G. Langlumé and E. J. Ybarzabal. 1,462,560; July 24.
- Rack. W. A. Hanimond. 1,462,542; July 24.
- Radiator cap. A. B. Memmott. Des. 62,739; July 24.
- Rail chair. W. R. Gorrell and H. Barkschat. 1,463,118; July 24.
- Rail joint and nut lock, Combined. D. W. Jeffries. 1,462,506; July 24.
- Rat trap. E. D. Clark. 1,462,802; July 24.
- Razor, Safety. J. F. Leller. 1,462,558; July 24.
- Reboring machine. D. L. Martyn. 1,463,089; July 24.
- Receiving system. H. Chireix. 1,462,882; July 24.
- Receptacle. J. Kashinsky. 1,462,578; July 24.
- Receptacle. F. J. Lynch. 1,463,088; July 24.
- Receptacle and cover, Germicide. J. C. Fischer. 1,462,693; July 24.
- Receptacle cap. W. E. Koss. 1,463,145; July 24.
- Reed articles, Producing. M. B. Lloyd. 1,462,710; July 24.
- Reedlike articles, Producing. M. B. Lloyd. 1,462,709; July 24.
- Refrigerator. C. A. Ketterer. 1,462,968; July 24.
- Register support and border. N. W. Manrow. 1,462,607; July 24.
- Regulator: *See—*
- Gas-pressure regulator.
- Reservoir and making same, Sheet-metal. R. Hoffman. 1,462,640; July 24.
- Reservoirs, radiators, and the like, Stopper for. M. J. B. Barabou. 1,462,783; July 24.
- Resilient wheel. E. F. Lieckfeldt. 1,462,865; July 24.
- Resilient wheel. A. T. Pryor. 1,462,624; July 24.
- Resilient wheel. A. Sequiera. 1,463,064; July 24.
- Resilient wheel. G. E. Vinnedge. 1,462,891; July 24.
- Ribbon, textile fabric, or similar article. E. Speck. Des. 62,746; July 24.
- Rims, Means for securing removable. J. R. Winter. 1,462,529; July 24.
- Ring. O. T. Hodnefeld. Des. 62,727; July 24.
- Ringer set, Composite. J. F. Toomey and W. H. Harrison. 1,462,526; July 24.
- Riveter. J. L. Bernard. 1,463,146; July 24.
- Road plane. W. H. Jennings. 1,463,120; July 24.
- Road surfaces, Apparatus for applying binding media to. S. E. Finley. 1,462,903; July 24.
- Roadways, Treating. S. E. Finley. 1,462,902; July 24.
- Rod: *See—*
- Piston rod.
- Roller: *See—*
- Curtain roller.
- Roller clearer, Top-. M. Sutton and T. Williams. 1,462,774; July 24.
- Roller coaster. S. Makepeace. 1,463,137; July 24.
- Rolling-mill ragging mechanism. G. J. Bryen. 1,463,036; July 24.
- Roof covering. E. R. Snyder and C. W. Mortimer. 1,462,772; July 24.
- Routing machine. T. C. Hansen. 1,462,962; July 24.
- Rubber molds, Lubricating. A. G. Voltz. 1,462,563; July 24.
- Rubber, Stitching machine for joining. T. B. Huestis. 1,462,859; July 24.
- Rubberized cord fabric, Apparatus for the production of weftless. E. Hopkinson and A. E. Jury. 1,462,858; July 24.
- Rudder control. M. C. Baumann. 1,462,531; July 24.
- Saddle. A. W. Hawkins. 1,462,885; July 24.
- Saddle. M. Mesinger. 1,462,976; July 24.
- Sand-blast machine. D. P. Cleveland. 1,462,786; July 24.
- Sash fastener. S. R. Fether. 1,462,637; July 24.
- Sash lock. C. S. Morse. 1,462,977; July 24.
- Sash, screen sash, and shutter, and window frame therefor, Window. G. W. Lancaster. 1,462,644; July 24.
- Sash weight. J. F. Makepeace. 1,463,126; July 24.
- Sashes for stationary window casements, Counterbalancing. G. W. Lancaster. 1,462,645; July 24.
- Sashes for various metal and other casements, Counterbalancing. G. W. Lancaster. 1,462,647; July 24.
- Sashes for windows, Plurality of counterbalancing. G. W. Lancaster. 1,462,646; July 24.
- Saw frame, Gang-. O. L. Johnson. 1,462,553; July 24.
- Saw machine, Hack-. R. Wickstead. 1,462,779; July 24.
- Saw-set tool. N. Covell. 1,462,686; July 24.
- Saws, Rolls for tensioning, leveling, and straightening band. R. K. Thomas. 1,462,836; July 24.
- Sawhorse. J. M. Lawlor. 1,462,707; July 24.
- Sawing machinery. A. R. Nyquist and C. A. Brandt. 1,462,764; July 24.
- Scale remover, Boiler-. C. H. Hoppe. 1,462,550; July 24.
- Scales, Combination bag rack and auxiliary platform for. H. C. Schaper. 1,462,983; July 24.
- Scenic effect, Changeable. N. V. de Lipski. 1,462,537; July 24.
- Screen: *See—*
- Window screen.
- Seal for folders. M. Hartman. 1,463,083; July 24.
- Separable fastener. A. L. Hess. 1,462,964; July 24.
- Separator: *See—*
- Egg separator.
- Spiral separator.
- Sewing-machine attachment for spiral stitching. A. M. English. 1,463,116; July 24.
- Sewing machine, Lock-stitch. L. E. Topham. 1,462,587; July 24.
- Sewing machine, Shoe-. F. E. Valois. 1,462,777; July 24.
- Sewing machines, Motor drive for. A. T. Mace. 1,462,516; July 24.
- Shaft manufacture. J. J. Carter. 1,463,144; July 24.
- Shank stiffener. W. H. Nickerson. 1,462,798; July 24.
- Sharpening machine, Razor-blade-. V. T. Miller. 1,462,490; July 24.
- Sheet gripper. F. C. Stevens. 1,462,923; July 24.
- Shelf and hanger rack, Combined. A. S. Deserty. 1,462,803; July 24.
- Shelf extension. W. N. Vance. 1,462,670; July 24.
- Shells, Vacuum release for. P. I. Wells. 1,462,500; July 24.
- Shock absorber. G. Antonelli. 1,462,731; July 24.
- Shock absorber and rebound check for motor-propelled vehicles, Combined. G. G. F. Boswell. 1,462,737; July 24.
- Shock absorber, Rebound-check. G. G. F. Boswell. 1,462,738; July 24.
- Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,462,616; July 24.
- Shock compressing and binding device. J. F. Patterson. 1,462,817; July 24.
- Shoe, Athletic. J. T. Kiddell. 1,462,625; July 24.
- Shoe, Brake. H. Jones. 1,462,967; July 24.
- Shoe or similar article. W. L. Baxter. Des. 62,687; July 24.
- Shredders and the like, Chip pocket for cutting. P. S. Mitts and W. J. Winston. 1,462,492; July 24.
- Shuttle-balancing mechanism. E. C. Taylor. 1,462,586; July 24.
- Sieve. E. J. Evans. 1,462,804; July 24.
- Sign device, Change-. R. A. Willison and C. N. Esberg. 1,463,108; July 24.
- Sign holder. W. B. Fink. 1,462,790; July 24.
- Signal: *See—*
- Automobile traffic signal.
- Crossing signal.
- Signal and license-display device, Combined. F. Bisch. 1,462,953; July 24.
- Sleigh, Motor. J. Krysiak. 1,463,042; July 24.
- Slicer. L. F. Maus. 1,462,717; July 24.
- Smoking mixture. F. J. Bosse. 1,462,480; July 24.
- Smoking pipe. J. B. Frost. 1,462,905; July 24.
- Snow guard and fender. H. N. Sieger. 1,463,065; July 24.
- Snow remover. M. J. Tully. 1,462,527; July 24.
- Snowplow. G. S. Brecht. 1,462,901; July 24.
- Sole or tap. D. Freeman. Des. 62,716; July 24.
- Sound-emission device. M. De Cesare. 1,463,008; July 24.
- Spanner. W. R. K. Gandell. 1,463,077; July 24.
- Spark arrester. C. D. Wright. 1,462,728; July 24.
- Spat and legging, Combined. G. J. Nichols. Des. 62,741; July 24.
- Speed-change worm transmission. M. O. Berg. 1,463,001; July 24.
- Speed-controlling mechanism. C. H. Gill. 1,462,807; July 24.
- Spiral casing. H. B. Taylor. 1,462,890; July 24.
- Spiral separator. F. Pardee. 1,462,618; July 24.

- Spools, Tension regulator for selvage. C. F. Lavalley. 1,462,601; July 24.
- Spoon or similar article. B. Fuchs. Des. 62,718; July 24.
- Spotlamps, Automatic switch control for. E. G. K. Anderson. 1,462,473; July 24.
- Spout for cans, Collapsible. R. K. Hall. 1,462,749; July 24.
- Sprayer. H. D. Lathrop. 1,462,970; July 24.
- Spring mounting. M. Stadler. 1,462,990; July 24.
- Spring wheel. B. B. Holmes. 1,463,135; July 24.
- Stamp container. L. Cox. 1,462,535; July 24.
- Stand: See—
- Switch stand. Umbrella stand.
- Statuette. Y. T. Goodwin. Des. 62,721; July 24.
- Steam boiler. W. Nakagawa. 1,462,763; July 24.
- Stepladder, Collapsible. L. Simonich. 1,463,023; July 24.
- Stitching machine. G. I. Baumann. 1,462,898; July 24.
- Stitching mechanism. L. Sartore. 1,462,521; July 24.
- Stock tank heater. A. L. Steinko. 1,463,099; July 24.
- Stove, Gas. J. H. Sattler. 1,462,661; July 24.
- Strainer. J. H. Crary. 1,463,067; July 24.
- Structure and block thereof, Cylindrical. F. and I. Le Cocq. 1,462,605; July 24.
- Suction cleaner attachment. H. E. Hoover. 1,462,575; July 24.
- Suction cleaners, Brush-adjusting device for. F. M. Case. 1,462,568; July 24.
- Suit boxes, Carrier for. S. Schuman. 1,462,831; July 24.
- Sweeper, Suction. H. E. Hoover. 1,462,574; July 24.
- Swing. J. L. Martin. 1,462,796; July 24.
- Switch: See—
- Automobile light-dimmer. Electrical switch.
- switch. Lock switch.
- Switch stand. F. C. Anderson. 1,463,140; July 24.
- Syringes, Liquid container for fountain. A. C. Crimmel. Des. 62,691; July 24.
- Table: See—
- Portable table.
- Tank: See—
- Aseptic tank. Glass-melting tank.
- Telegraphs, Method of and apparatus for operating printing. E. E. Kleinschmidt. 1,463,136; July 24.
- Telephone system, Automatic. W. T. Powell. 1,462,819; July 24.
- Telephone system, Measured-service. W. W. Owen. 1,462,719; July 24.
- Temperature alarm. O. H. Ludeman. 1,462,887; July 24.
- Testing machine, Impact. D. J. McAdam, jr. 1,462,813; July 24.
- Thermometer. H. P. Milker and A. Roesch. 1,462,797; July 24.
- Thread-cutting machine. F. H. Mooney. 1,463,019; July 24.
- Tile, Hollow building. E. P. Berkes. 1,462,593; July 24.
- Timepiece holder. G. S. Lowndes, jr. 1,462,915; July 24.
- Timer. A. W. Holway. 1,462,700; July 24.
- Tire bead and making the same. M. A. Marquette. 1,462,517; July 24.
- Tire casing. F. G. Schenuit. 1,462,984; July 24.
- Tire-chain carrier. J. J. Eyre. 1,462,789; July 24.
- Tire chain lock and elastic take-up. A. A. Smith and H. W. Paine. 1,462,666; July 24.
- Tire chains, Hook for. C. H. Widstrand. 1,462,590; July 24.
- Tire, Cushion. F. A. Krusemark. 1,462,760; July 24.
- Tire filler. S. Vitaliano. 1,462,837; July 24.
- Tire-mold-clamping bolt. E. Lux. 1,462,712; July 24.
- Tire, Pneumatic. J. A. Rogers. 1,462,942; July 24.
- Tire-stripping apparatus. W. C. Stevens. 1,462,524; July 24.
- Tires and tubes, Blow-out patch and tire reinforcer for automobile. A. S. Thoresen and F. E. Benoit. 1,462,628; July 24.
- Toilet-seat cover, Sanitary. J. L. Schaefer. 1,462,662; July 24.
- Tone-arm stop. R. H. Weitershausen. 1,463,107; July 24.
- Tongs, Ice. D. Henderson. 1,462,758; July 24.
- Tool. O. D. Hapgood. 1,462,963; July 24.
- Torch for use in electric welding and holder therefor. C. C. Poeler. 1,462,620; July 24.
- Toy. R. Bantle. 1,463,032; July 24.
- Toy. J. W. Rollefson. 1,462,660; July 24.
- Tractor draft appliance. H. E. Counter. 1,462,685; July 24.
- Tractor hitch. G. E. Bollman. 1,462,930; July 24.
- Train and platform, Passenger. L. Newman. 1,462,868; July 24.
- Train stop, Automatic. E. R. Salazar. 1,463,096; July 24.
- Transmission mechanism, Automatic crank. C. H. Gill. 1,462,810; July 24.
- Transmission mechanism, Self-adjusting. C. H. Gill. 1,462,809; July 24.
- Transparency, Ornamental. J. T. Boyle. 1,462,481; July 24.
- Trap: See—
- Animal trap. Rat trap.
- Trap. A. R. Gilmore and G. R. Carson. 1,463,117; July 24.
- Trays, Detachable foot for wire. F. M. Snyder. 1,463,098; July 24.
- Trimmers, Adjusting mechanism for. R. Beynon and J. C. Hintz. 1,462,478; July 24.
- Trolley frog and electric cut-out, Combined. C. M. Andrews. 1,463,029; July 24.
- Trolley, Slide. P. Schultz. 1,462,770; July 24.
- Trusses, Machine for assembling. C. F. Huntoon. 1,462,552; July 24.
- Tubes, Method of and apparatus for enameling. N. Marshall. 1,462,608; July 24.
- Tunneling machine. L. W. Anderson. 1,462,997; July 24.
- Turbine, Hydraulic. J. S. Carpenter. 1,462,483; July 24.
- Turboblower, Counter-rotation. O. D. H. Bentley. 1,462,592; July 24.
- Turning machine, Forepart. F. A. Reardon. 1,462,823; July 24.
- Turpentine substitute and product therefrom, Making. W. B. Logan. 1,463,122; July 24.
- Typesetting machines, Gas governor for. H. W. Partlow. 1,462,816; July 24.
- Typewriter attachment. F. Gray. 1,463,080; July 24.
- Typewriting machine. F. A. Hart. 1,462,697; July 24.
- Typewriting machine. E. B. Hess. 1,462,912-13; July 24.
- Typewriting machine. W. H. Hulse. 1,462,886; July 24.
- Typewriting machine. M. W. Pool. 1,462,980; July 24.
- Umbrella stand, Portable. L. H. Noble. 1,462,615; July 24.
- Uppers, Making seamless. D. G. Carter. 1,463,066; July 24.
- Valve. J. W. Pearson and J. S. Power. 1,463,093; July 24.
- Valve. A. Stenwall. 1,462,834; July 24.
- Valve block for compressors or pumps. N. H. Hiller. 1,462,857; July 24.
- Valve, Clapper. A. F. Thorsten. 1,463,103; July 24.
- Valve device, Triple. C. C. Farmer. 1,463,039; July 24.
- Valve, Expanding gate. E. Edler. 1,462,635; July 24.
- Valve, Expansion. C. C. Hanson and J. Twardowsky. 1,462,696; July 24.
- Valve, Float-controlled. W. L. Hawes. 1,462,599; July 24.
- Valve, Gas distributing and governing. H. R. Jackson and H. A. May. 1,462,641; July 24.
- Valve, Hollow-stem suction. P. R. Rothe. 1,462,519; July 24.
- Valve lathe. C. G. Turngren. 1,462,669; July 24.
- Valve mechanism. H. A. Myers. 1,462,651; July 24.
- Valve, Pressure-regulating. B. E. Holten. 1,462,637; July 24.
- Valve-stem carbon remover. A. R. Schmidt. 1,462,581; July 24.
- Valve with parallel steam-tight surfaces, High-pressure slide stop. E. Edler. 1,462,636; July 24.
- Valves, Tool for removing. J. B. Morris. 1,463,130; July 24.
- Vapor burner. O. I. Straub and F. G. Wahl. 1,463,101; July 24.
- Vaporizer. F. V. Hadley, S. Barnaby, and J. O. Clarke. 1,462,594; July 24.
- Vehicle attachment, Motor. J. F. Garvey. 1,462,744; July 24.
- Vehicle brake. M. Adenot. 1,463,112; July 24.
- Vehicle handhold. T. K. Jackson. 1,462,914; July 24.
- Vehicle side-curtain construction. H. W. Tinker, jr. 1,462,992; July 24.
- Vehicles, Air-cushion bumper for motor. B. Lewandowski. 1,462,561; July 24.
- Vehicles, Collapsible hood or roof of. G. Baehr. 1,463,030; July 24.
- Ventilator. G. C. Walker. 1,462,924; July 24.
- Vermin-extminating structure, Plant. J. M. Jordan. 1,462,861; July 24.
- Vessel. K. G. Hanhart. 1,462,543; July 24.
- Voting machine registers, etc., Operating device for. C. H. Veeder. Re15,662; July 24.
- Wainscoting element. J. Kälin. 1,463,041; July 24.
- Wall and making same. J. S. Fluor. 1,462,934; July 24.
- Wall construction. C. V. Pierson. 1,463,021; July 24.
- Warp stop motion. E. R. Holmes. 1,462,548; July 24.
- Washing machine. G. S. Blakeslee. 1,462,734; July 24.
- Washing machine. G. S. Blakeslee. 1,462,735; July 24.
- Washing machine. E. Fenselau and G. W. Thompson. 1,462,854; July 24.
- Washing machine. A. K. Hanson. 1,462,911; July 24.
- Washing machine. A. Huemberger. 1,463,016; July 24.
- Washing machines, Automatic clutch-shifting mechanism for. P. Makowski. 1,462,974; July 24.
- Washing machines, Wringer and motor support for. N. Lombard. 1,462,939; July 24.
- Washtub. M. Hagaman. 1,462,573; July 24.
- Waste burning furnace. C. Rees. 1,462,720; July 24.
- Watchcase. G. J. Keller. Des. 62,733; July 24.
- Water heater. J. W. Meyer. 1,462,611; July 24.
- Water heater, Electric. W. S. Jones. 1,462,703; July 24.
- Water heater, Instantaneous, hot. H. and H. Sirot. 1,462,988; July 24.
- Waterproof carrying case. J. D. Kelly. 1,463,086; July 24.
- Web-detector mechanism. C. E. Knowlton and E. H. Ryon. 1,462,554; July 24.

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| <p>Welding circuit, Condensing. J. H. Gravel. 1,462,572; July 24.</p> <p>Well-drilling apparatus. S. J. Mathews. 1,462,975; July 24.</p> <p>Wheel: <i>See</i>—</p> <p style="padding-left: 40px;">Metal wheel. Spring wheel.</p> <p style="padding-left: 40px;">Resilient wheel.</p> <p>Wheel. H. J. Adams. 1,462,754; July 24.</p> <p>Wheel. E. J. Dotterweich. 1,462,884; July 24.</p> <p>Wheel puller and emergency hub. E. D. Ainsworth. 1,462,843; July 24.</p> <p>Wheels, Laminated structure for. A. R. Cowden and E. J. B. Gorman. 1,462,687; July 24.</p> | <p>Window-cleaners' harness, Locked anchorage for. B. Kugler. 1,462,761; July 24.</p> <p>Window fastener. A. F. Lagerstrom. 1,462,762; July 24.</p> <p>Window screen. G. W. Johnston. 1,463,121; July 24.</p> <p>Wiping-down device. C. H. Oslund. 1,462,940; July 24.</p> <p>Wire, chain, woven-wire fencing, and the like, Apparatus for metal-coating. E. L. Watrous. 1,462,589; July 24.</p> <p>Wrench. F. J. Dorsch. 1,462,788; July 24.</p> <p>Yarn-tube frame. J. G. Soderberg. 1,462,523; July 24.</p> <p>Yarn-tube frames, Spool-bearing bracket for. E. H. Ryon. 1,462,520; July 24.</p> <p>Yoke, Cattle. P. C. Gallaway. 1,462,743; July 24.</p> |
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CLASSIFICATION OF PATENTS

ISSUED JULY 24, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 15: 1,462,898	31— 34: 1,462,621	64— 58: 1,462,965	83— 75: 1,462,492	123— 166: 1,462,534	158— 75: 1,462,504
2— 73: 1,462,966	35— 2: 1,462,870	65— 46: 1,463,139	85: 1,462,881	188: 1,462,781	1: 1,462,680
122: 1,462,564	12: 1,462,850	66— 12: 1,462,551	84— 486: 1,462,715	1: 1,462,651	91: 1,462,582
145: 1,462,515	36— 59: 1,462,625	68— 9: 1,462,757	85— 7: 1,462,712	125— 17: 1,463,035	99: 1,462,756
149: 1,462,532	76: 1,462,798	10: 1,463,069	87— 9: 1,462,709	17: 1,462,533	113: 1,462,643
4— 18: 1,462,692	37— 12: 1,462,527	1,463,069	1: 1,463,092	126— 163: 1,462,994	164— 41: 1,462,871
24: 1,462,833	45: 1,462,994	1,463,070	27: 1,462,550	214: 1,462,593	60: 1,462,478
5— 118: 1,462,667	69: 1,462,994	18: 1,462,911	88— 1: 1,462,536	258: 1,462,661	75: 1,462,650
264: 1,462,990	94: 1,462,188	1,463,016	164: 1,462,784	273: 1,463,063	91: 1,462,559
359: 1,462,668	108: 1,462,785	31: 1,462,573	17: 1,462,931	444: 1,462,611	169: 8: 1,463,072
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9: 1,462,933	152: 1,462,577	70— 46: 1,462,826	1: 1,462,500	80: 1,462,583	274: 1,463,017
8— 6: 1,462,613	153: 1,463,120	1,462,828	3: 1,462,852	129— 1: 1,462,937	173— 13: 1,462,580
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1: 1,462,800	2: 1,462,497	126: 1,462,999	244: 1,462,682	1: 1,462,815	364: 1,462,632
10— 27: 1,462,775	23: 1,462,626	72— 13: 1,463,102	91— 45: 1,463,608	19: 1,462,504	1: 1,462,633
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57: 1,462,823	76: 1,463,108	39: 1,462,841	94— 23: 1,462,962	132— 44: 1,463,028	6: 3: 1,462,719
14— 1: 1,462,541	84: 1,463,087	1,463,021	1,462,904	99: 1,463,085	18: 1,462,819
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18— 47.5: 1,462,596	111: 1,462,873	1,463,057	188: 1,462,549	188: 1,462,549	49: 1,463,105
1,462,991	147: 1,462,773	1,463,058	212: 1,462,554	212: 1,462,554	39.1: 1,462,770
53: 1,462,517	148: 1,462,861	73— 51: 1,462,718	169: 1,462,717	281: 1,463,131	192— 39: 1,462,600
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15: 1,463,014	94: 1,462,580	26: 1,462,830	9: 1,462,772	143— 13: 1,462,764	1: 1,462,748
22: 1,462,565	122: 1,462,471	34: 1,462,528	25: 1,463,065	145— 70: 1,462,702	197— 1: 1,462,912
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40: 1,462,614	46: 1,463,098	1,462,901	69: 1,462,922	181: 1,462,801	113: 1,462,697
52: 1,462,645	55: 1,462,542	1,462,951	61: 1,462,490	147— 18: 1,462,709	183: 1,462,914
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23— 3: 1,462,705	189: 1,462,611	1,462,726	75: 1,462,777	1: 1,462,760	218: 1,462,511
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13: 1,463,037	1: 1,462,522	48: 1,462,932	220: 1,462,516	11: 1,462,984	232: 1,462,507
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30: 1,462,840	9: 1,462,652	57: 1,462,675	17: 1,462,969	1: 1,463,060	26: 1,462,700
24— 11: 1,462,591	15: 1,462,495	58: 1,462,530	19: 1,462,942	22: 1,462,942	39: 1,462,860
81: 1,462,714	53: 1,462,993	1,463,001	21: 1,462,628	21: 1,462,628	11: 1,462,684
88: 1,462,964	23: 1,462,958	59: 1,462,963	81: 1,462,891	28: 1,462,891	90: 1,462,585
90.5: 1,462,509	28: 1,462,958	97: 1,462,808	97: 1,462,496	29: 1,463,064	97: 1,462,476
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230.5: 1,462,590	121: 1,462,653	108: 1,462,501	61: 1,462,751	2: 1,462,474	202— 29: 1,462,612
238: 1,463,071	52— 1: 1,462,753	1,462,554	1: 1,462,793	1: 1,462,475	31: 1,462,987
237: 1,463,043	3: 1,462,818	1,462,654	1,463,063	1,462,733	78: 1,462,795
25— 27: 1,462,812	6: 1,462,880	1,462,655	99: 1,462,755	38: 1,463,073	206— 1: 1,462,674
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131: 1,462,934	1,462,948	62: 1,462,686	43.5: 1,462,864	1: 1,462,935	38: 1,462,846
1,462,989	107: 1,462,486	101: 1,462,701	116: 1,462,601	1: 1,462,858	39: 1,462,535
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85: 1,462,843	61: 1,462,765	78— 19: 1,463,146	80: 1,462,763	1: 1,462,524	46: 1,463,088
1,463,031	401: 1,462,538	60: 1,462,556	225: 1,462,862	19: 1,462,835	62: 1,462,612
86.3: 1,463,130	58— 56: 1,462,915	81— 5.1: 1,463,036	250: 1,462,988	15: 1,462,939	208— 15: 1,462,976
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4: 1,462,888	25: 1,462,929	44: 1,462,649	122: 1,462,844	4: 1,462,540	27: 1,462,670
32— 5: 1,462,656	35: 1,462,736	54: 1,462,618	1,463,035	157— 4: 1,463,104	1,462,877
5: 1,462,699	49: 1,462,716	67: 1,462,584	127: 1,462,782	7.5: 1,463,101	212— 127: 1,463,090
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	48: 1,462,676		45: 1,462,897		4: 1,462,498		120: 1,462,890	280—	16: 1,462,889		348: 1,462,827
214—	1: 1,462,546		49: 1,462,831		7: 1,462,473		122: 1,462,483		33.10: 1,462,930	293—	55: 1,462,561
	2: 1,462,627	226—	127: 1,463,129		41: 1,462,472	254—	106: 1,462,878		33.44: 1,462,655		1,462,910
215—	12: 1,463,027	228—	2: 1,463,023		1,462,946		192: 1,462,630		1,462,921		1,462,956
	46: 1,463,145		63: 1,462,505	48.4: 1,463,024			1,462,631		104: 1,462,638	294—	106: 1,462,758
	51: 1,462,995	229—	43: 1,463,074	130: 1,462,692		255—	4: 1,462,975		150: 1,462,914		107: 1,462,787
216—	13: 1,462,940		68: 1,462,513	242—	6: 1,462,586		14: 1,462,721	281—	38: 1,462,683		28: 1,462,996
217—	3: 1,462,665		92.5: 1,463,083		43.7: 1,462,919	257—	84: 1,462,602	285—	58: 1,462,821	296—	45: 1,462,992
	53: 1,462,672	230—	6: 1,462,695		55: 1,462,487	260—	5: 1,462,771		94: 1,462,830		1,463,030
219—	65: 1,463,059		11: 1,462,557		77: 1,462,589	261—	14: 1,463,034		140: 1,462,698		51: 1,462,814
	14: 1,462,620		1,462,592		95: 1,462,811		18: 1,462,845		175: 1,462,824		95: 1,462,545
	38: 1,463,133		1,463,110		1,463,022	262—	7: 1,462,997	286—	16: 1,462,518		1,462,726
	39: 1,462,703		24: 1,462,842	244—	29: 1,462,531		33: 1,462,681		31: 1,462,834	299—	34: 1,462,903
	48: 1,462,690		27: 1,463,109		30: 1,462,533	263—	28: 1,462,899	287—	126: 1,463,084		87: 1,462,970
	1,462,791	234—	1: 1,462,952		31: 1,462,704	265—	13: 1,462,813	290—	38: 1,462,973	301—	22: 1,462,529
220—	67: 1,463,005		5.5: 1,463,004	246—	128: 1,463,127		24: 1,462,778	292—	60: 1,462,727		63: 1,462,687
	32: 1,462,783	235—	59: 1,462,567		187: 1,463,096		51: 1,462,983		74: 1,463,119		64: 1,462,754
	55: 1,463,147		73: 1,462,944		411: 1,463,140	266—	10: 1,462,639		114: 1,462,477		65: 1,462,884
	56: 1,462,578		144: R. 15,662	248—	36: 1,462,671	267—	17: 1,462,738		1,462,493		66: 1,462,957
	69: 1,463,098	236—	14: 1,463,141	250—	2: 1,462,882		20: 1,462,731		140: 1,462,805	303—	6: 1,463,040
221—	87: 1,462,693		1,463,142		66: 1,462,635		29: 1,462,737		175: 1,462,657		18: 1,463,026
	11: 1,462,749		1,463,143	251—	126: 1,463,103	268—	72: 1,462,666		194: 1,462,762		35: 1,463,039
	23: 1,462,820		1,462,816		139: 1,462,696		9: 1,463,079		219: 1,462,916	304—	5: 1,462,707
	96: 1,462,954	238—	262: 1,462,506		144: 1,462,519	271—	75: 1,462,923		227: 1,462,637	305—	6: 1,463,042
	121: 1,462,847		274: 1,463,118			274—	9: 1,462,867		228: 1,462,977	306—	4: 1,462,575
223—	19: 1,463,003						1,463,107		275: 1,462,872		

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- Abbreviated Kansas City Macaroni Co., The. (See Kansas City Macaroni & Importing Co.)
- Alaga & Forench Co., Watsonville, Calif. Fresh apples. 171,104; July 31; Serial No. 174,422; published May 8, 1923.
- Albers Bros. Milling Co., Seattle, Wash. Breakfast cereal food. 171,265; July 31; Serial No. 169,270; published Apr. 3, 1923.
- Alling & Cory Co., The, Rochester, N. Y. Wrapping paper. 171,001; July 31; Serial No. 177,158; published Apr. 24, 1923.
- American Burtonizing Company and Wallerstein Laboratories, New York, N. Y. Dextrinous sirup used in making beverages. 171,140; July 31; Serial No. 160,178; published May 1, 1923.
- American Cone and Pretzel Company, doing business as Continental Packing Corporation, Philadelphia, Pa. Canned peaches, tomatoes, and sweet potatoes. 171,170; July 31; Serial No. 171,397; published May 1, 1923.
- American Cone and Pretzel Company, doing business as Continental Packing Corporation, Philadelphia, Pa. Canned beans, tomatoes, sweet potatoes, peaches, chili sauce, and catchup put up in containers. 171,171; July 31; Serial No. 171,398; published May 1, 1923.
- American Cone and Pretzel Company, doing business as Continental Packing Corporation, Philadelphia, Pa. Canned peaches, canned Lima beans, beans, tomatoes, and sweet potatoes. 171,172; July 31; Serial No. 171,400; published May 8, 1923.
- American Copper Products Corporation, Elizabeth Port, N. J. Bare and insulated wire, cable, and cordage for electrical purposes. 171,030; July 31; Serial No. 160,685; published Apr. 24, 1923.
- American Crayon Company, The, Sandusky, Ohio. Crayons and pencils. 171,221; July 31; Serial No. 177,347; published May 8, 1923.
- American Range & Foundry Company, Minneapolis, Minn. Clothes-washing machines. 171,081; July 31; Serial No. 173,552; published Apr. 24, 1923.
- American Sport Shop, Inc., New York, N. Y. Sporting goods—namely, ice skates. 171,120; July 31; Serial No. 175,453; published Apr. 24, 1923.
- American Tea & Coffee Co., Inc., Nashville, Tenn. Spices. 171,194; July 31; Serial No. 141,447; published May 15, 1923.
- American Writing Paper Company, Holyoke, Mass. Writing and printing paper, and mailing envelopes. 171,051; July 31; Serial No. 175,540; published May 15, 1923.
- Angeles Packing Company. (See Coniff, Harry.)
- Arady Farms Milling Company, Chicago, Ill. Prepared feed for animals, comprising feed for poultry and live stock. 171,029; July 31; Serial No. 160,847; published Mar. 27, 1923.
- Asiatic Import Co., Inc., New York, N. Y. Toy animals. 171,228; July 31; Serial No. 177,030; published Apr. 24, 1923.
- Auto Products Mfg. Co. Inc., Buffalo, N. Y. Auto products. 171,035; July 31; Serial No. 158,744; published May 8, 1923.
- Automatic Refrigerating Company, The, Hartford, Conn. Refrigerating apparatus. 170,998; July 31; Serial No. 177,441; published May 15, 1923.
- Babcock & Shannon Co., Albany, N. Y. Pants, jackets, and overalls, coats, etc. 171,268; July 31; Serial No. 168,870; published May 8, 1923.
- Babcock & Shannon Co., Albany, N. Y. Collars, neckties, suspenders, etc. 171,269; July 31; Serial No. 168,869; published May 8, 1923.
- Ball, F. M., & Company, San Francisco, Calif. Canned fruits and vegetables. 171,101; July 31; Serial No. 174,229; published May 15, 1923.
- Ballard & Ballard Company, Louisville, Ky. Prepared flour containing wheat flour, bran, sugar, and salt. 171,034; July 31; Serial No. 159,081; published Mar. 27, 1923.
- Bamberger Reinthal Co., The, Cleveland, Ohio. Knitted caps. 171,201; July 31; Serial No. 151,864; published May 8, 1923.
- Barton, H. H., and Son Co. Inc., Philadelphia, Pa. Aluminum-oxide paper, carbon paper, electric abrasive cloth, etc. 171,082; July 31; Serial No. 173,461; published Apr. 24, 1923.
- Baumann, Carl A., doing business as Lake Mills Milk Company, Jefferson, Wis. Canned evaporated milk. 171,206; July 31; Serial No. 155,662; published May 8, 1923.
- Becker Paper Corporation, New York, N. Y. Writing and bond paper. 170,997; July 31; Serial No. 178,209; published May 15, 1923.
- Beougher, Lawrence E., McFarland, Calif. Polishes for automobiles and furniture. 171,166; July 31; Serial No. 176,781; published Apr. 24, 1923.
- Berkeley Light Corporation, San Francisco, Calif. Electric headlights and flood lights. 171,040; July 31; Serial No. 137,513; published Apr. 24, 1923.
- Berlin & Jones Company, Inc., New York, N. Y. Writing paper and envelopes. 171,167; July 31; Serial No. 176,783; published May 8, 1923.
- Bern, Philip S., doing business as Philsbern Products Co., New York, N. Y. Furniture and automobile polishes with incidental properties as metal polishes. 171,092; July 31; Serial No. 174,505; published May 15, 1923.
- Bernstein, Louis, doing business as Princess Dress House, New York, N. Y. Ladies' dresses of silk, cotton, etc. 171,267; July 31; Serial No. 169,235; published May 8, 1923.
- Bevin-Wilcox Line Company, East Hampton, Conn. Fishlines. 171,121; July 31; Serial No. 175,595; published Apr. 24, 1923.
- Blackbird Factories, Inc., Los Angeles, Calif. Typewriter ribbons. 171,195; July 31; Serial No. 146,950; published Apr. 24, 1923.
- Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils. 171,004; July 31; Serial No. 176,943; published Apr. 24, 1923.
- Bliss Company, Inc., New York, N. Y. Memorandum-paper holder. 171,159; July 31; Serial No. 176,321; published May 1, 1923.
- Bolinger, W. A., doing business as Bolinger Orchards, Methow, Wash. Fresh apples. 171,071; July 31; Serial No. 171,896; published May 8, 1923.
- Borden Company, The, New York, N. Y. Chocolate cubes. 171,273; July 31.
- Borgfeldt, George, & Co., New York, N. Y. Dolls. 171,046; July 31; Serial No. 175,338; published May 15, 1923.
- Bost, William D., Chicago, Ill. Beverages sold as soft drinks and sirups, etc., for making same. 171,058; July 31; Serial No. 176,444; published May 15, 1923.
- Bowers, Claude E., doing business as Bowers Manufacturing Company, Los Angeles, Calif. Self-propelled toy vehicles. 171,227; July 31; Serial No. 177,067; published Apr. 24, 1923.
- Bowers Manufacturing Company. (See Bowers, Claude E.)
- Braw Laddie Golf Company, Oakland, Calif. Golf clubs. 171,153; July 31; Serial No. 176,062; published Apr. 24, 1923.
- Britton, Albert, Myrtle Point, Oreg. Cream cheese. 171,025; July 31; Serial No. 168,097; published Apr. 3, 1923.
- Brown Company, Portland, Me., and Berlin, N. H. Fiber conduits for electrical purposes. 171,053; July 31; Serial No. 175,709; published Apr. 24, 1923.
- Buckeye Ribbon & Carbon Co., The, Cleveland, Ohio. Carbon paper and typewriter ribbons. 171,183; July 31; Serial No. 172,080; published Apr. 24, 1923.
- Bunnie Hat Co., Inc., Reading, Pa. Hats for men and boys. 171,134; July 31; Serial No. 159,552; published May 8, 1923.
- Butler, James, Inc., New York, N. Y. Bread. 171,067; July 31; Serial No. 162,240; published Mar. 27, 1923.
- C & T Importing Company, San Francisco, Calif. Tea. 171,185; July 31; Serial No. 171,984; published May 15, 1923.
- Cactus Crystal Company, Dover, Del., and Fort Worth, Tex. Candy. 171,173; July 31; Serial No. 171,449; published Mar. 27, 1923.
- California Citrus Fruit Juice Company, Wilmington, Del., and San Francisco, Calif. Nonalcoholic, maltless, concentrated fruit juices. 171,155; July 31; Serial No. 176,163; published May 1, 1923.
- California Growers Association, Inc., Los Angeles, Calif. Canned fruits and canned vegetables, jams, preserves, dried fruits, etc. 171,252; July 31; Serial No. 169,844; published May 15, 1923.
- California Underwear and Hosiery Mills, doing business as California Underwear Mills, Los Angeles, Calif. Ladies' knit underwear. 171,255; July 31; Serial No. 169,619; published May 1, 1923.
- Can-Ho-Lab, Chemical Co., New Orleans, La. Insecticide and germicide. 171,091; July 31; Serial No. 173,401; published Apr. 24, 1923.
- Capital City Bottling Company. (See Eisenberg, M. L.)
- Carroll, John A., doing business as Liquid Wrench Company, Schenectady, N. Y. Compound for loosening tight nuts on bolts and lubricating leaf springs. 171,216; July 31; Serial No. 177,726; published May 15, 1923.
- Casey, John T., doing business as United States Juvenile Vehicle Co., Philadelphia, Pa. Wheeled toys, more particularly walking velocipedes. 171,232; July 31; Serial No. 170,968; published May 1, 1923.
- Certified Foods, Westfield, Mass. Food preparation consisting of a vegetable seasoning. 171,065; July 31; Serial No. 163,918; published Apr. 3, 1923.
- Charlotte Electric Repair Company, Inc., Charlotte, N. C. Electric motors, generators, and transformers. 171,119; July 31; Serial No. 175,300; published Apr. 24, 1923.
- Chillicothe Paper Company, The, Chillicothe, Ohio. Book, bond, and writing paper. 171,109; July 31; Serial No. 174,610; published Apr. 24, 1923.

- Chocolate Products Company, Baltimore, Md. Candy. 171,180; July 31; Serial No. 171,686; published May 1, 1923.
- Cincinnati Cloak & Suit Company, The, Cincinnati, Ohio. Ladies' and misses' suits, coats, dresses, furs, etc. 171,246; July 31; Serial No. 169,948; published May 8, 1923.
- Clark, L. H., Mfg. Co. Inc., Brooklyn, N. Y. Nightgowns. 171,251; July 31; Serial No. 169,891; published May 1, 1923.
- Close, George, Co., The, Cambridge, Mass. Candy. 171,237; July 31; Serial No. 170,564; published May 8, 1923.
- Coleman and Company, Limited, Norwich, England. Food preparations containing extract of meat and other ingredients. 171,193; July 31; Serial No. 140,919; published May 8, 1923.
- Collins, J. N., Company, Minneapolis, Minn. Candies. 171,250; July 31; Serial No. 160,488; published Dec. 12, 1922.
- Collins Mfg. Co., Holyoke, Mass. Bond writing and printing paper. 171,017; July 31; Serial No. 168,836; published May 15, 1923.
- Cotlet's California Orange Drink Co., Los Angeles, Calif. Nonalcoholic, maltless orange drink. 171,059; July 31; Serial No. 176,452; published May 15, 1923.
- Conniff, Harry, doing business as Angeles Packing Company, Seattle, Wash. Canned salmon. 171,236; July 31; Serial No. 170,566; published May 1, 1923.
- Continental Packing Corporation. (See American Cone and Pretzel Company.)
- Cooknut Corporation, The, Baltimore, Md. Cottonseed oil. 171,052; July 31; Serial No. 175,652; published May 15, 1923.
- Cooknut Corporation, The, Baltimore, Md. Vegetable lard substitute. 171,127; July 31; Serial No. 175,651; published May 15, 1923.
- Corn Products Refining Co., New York, N. Y. Edible corn oil. 171,176; July 31; Serial No. 171,487; published May 1, 1923.
- Crawford Farms, Incorporated, Millbrook, N. Y. Cheese. 171,023; July 31; Serial No. 168,025; published Apr. 3, 1923.
- Crawford Farms, Incorporated, Millbrook, N. Y. Cheese. 171,024; July 31; Serial No. 168,026; published Mar. 27, 1923.
- Cross, Henry H., Company, Chicago, Ill. Motor oil. 171,117; July 31; Serial No. 175,189; published May 1, 1923.
- Dalton, Whittier, True Company, Chicago, Ill. Electrical control apparatus. 171,084; July 31; Serial No. 174,201; published Apr. 24, 1923.
- Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Perfume, toilet water, rouges, etc. 171,100; July 31; Serial No. 174,169; published Apr. 24, 1923.
- Davis Chemical Company, Toledo, Ohio. Dry cleaner. 171,203; July 31; Serial No. 152,834; published Apr. 24, 1923.
- Dean, Edwin, Hoboken, N. J. Candy. 171,261; July 31; Serial No. 169,435; published May 15, 1923.
- Dennison Manufacturing Co., Framingham, Mass. Tags. 171,160; July 30; Serial No. 176,330; published May 1, 1923.
- Devoto y Cauchaner, Buenos Aires, Argentina. Soaps, pastes, powders, and liquids for cleaning metal, wood, leather, and clothing. 171,072; July 31; Serial No. 171,729; published Apr. 3, 1923.
- Diamond Cake Company, Philadelphia, Pa. Cake. 170,141; July 31; Serial No. 160,239; published Mar. 27, 1923.
- Diamond Manufacturing Company. (See Ewing, Joseph H.)
- Eagle Tea & Coffee Company, Inc., The New York, N. Y. Coffee and tea. 171,164; July 31; Serial No. 176,872; published May 22, 1923.
- Easton, Gilbert J., Newark, N. J. Vegetable relishes. 171,182; July 31; Serial No. 172,149; published May 8, 1923.
- Ecometer Manufacturing Company, Inc., Orange, N. J. Ignition-timing devices for internal-combustion engines. 171,037; July 31; Serial No. 151,151; published Apr. 24, 1923.
- Eisenberg, M. L., doing business as Capital City Bottling Company, Montgomery, Ala. Beverage sold as soft drink. 171,047; July 31; Serial No. 175,349; published May 15, 1923.
- Eisenberg, M. L., doing business as Capital City Bottling Company, Montgomery, Ala. Ginger ale. 171,048; July 31; Serial No. 175,350; published May 15, 1923.
- Eisenberg, M. L., doing business as Capital City Bottling Company, Montgomery, Ala. Maltless soft drinks. 171,049; July 31; Serial No. 175,357; published May 15, 1923.
- Eisenlohr, Otto, & Bros., Incorporated, Philadelphia, Pa. Cigars. 171,220; July 31; Serial No. 177,477; published Apr. 24, 1923.
- Ewing, Joseph H., doing business as Diamond Manufacturing Company, Malta, Ohio. Gaming devices. 171,103; July 31; Serial No. 174,360; published May 1, 1923.
- Fair, The, Chicago, Ill. Men's and boys' suits and overcoats. 171,202; July 31; Serial No. 152,124; published May 1, 1923.
- Feldbaum & Spiegel, Inc., New York, N. Y. Fur coats, capes, stoles, and fur garments. 171,260; July 31; Serial No. 169,439; published May 8, 1923.
- Field, Guy M., High Point, N. C. Powder to be used in the preparation of salad dressing. 171,230; July 31; Serial No. 171,158; published May 8, 1923.
- Flannery, John R., Pittsburgh, Pa. Gear shifts and parts thereof for motor vehicles. 171,108; July 31; Serial No. 174,566; published Apr. 24, 1923.
- Flood & Conklin Company, Newark, N. J. Pyroxylin thinner. 171,213; July 31; Serial No. 178,174; published May 15, 1923.
- Fuld, William, Baltimore, Md. Figure toys. 171,003; July 31; Serial No. 176,961; published May 15, 1923.
- Fulghum & Company, Los Angeles, Calif. Hair nets. 171,162; July 31; Serial No. 176,613; published May 1, 1923.
- Funke, Edward, doing business as Near East Trading Co., New York, N. Y., assignor to Valley of the Kings Corporation, New York, N. Y. Cigarettes. 170,999-171,000; July 31; Serial Nos. 177,553-4; published July 31, 1923.
- Gaffey, John T., doing business as Mah Juck Mfg. Co., San Pedro, Calif. Racks used in connection with the game Mah Juck. 171,043; July 31; Serial No. 174,770; published May 15, 1923.
- Gamble, Helen C., New Brunswick, N. J. Hat bags. 171,218; July 31; Serial No. 177,664; published May 15, 1923.
- Garnet, George H., doing business as The George H. Garnet Company, Allentown, Pa. Ice cream inclosed in pastry. 171,144; July 31; Serial No. 161,251; published Apr. 17, 1923.
- Garrett and Co., Inc., Brooklyn, N. Y. Beverages sold as soft drinks and sirups for preparing same. 171,098; July 31; Serial No. 174,077; published May 1, 1923.
- Geltman, Israel, New York, N. Y. Cheese, mustard, farina, tea, coffee, chocolate, condensed milk, rice, etc. 171,078; July 31; Serial No. 169,751; published Apr. 3, 1923.
- George Close Co., The, Cambridge, Mass. Candy. 171,238; July 31; Serial No. 170,562; published May 1, 1923.
- Ghriskey's, Charles M., Sons, Philadelphia, Pa. Tennis-tape reels, baseballs, baseball gloves and mitts, baseball bats, etc. 171,174; July 31; Serial No. 171,456; published May 1, 1923.
- Gillett Chemical Works. (See Gillett, Clyde R.)
- Gillett, Clyde R., doing business as Gillett Chemical Works, Sacramento, Calif. Lubricating oils. 171,264; July 31; Serial No. 169,293; published May 15, 1923.
- Goeller's, M. G., Sons, Circleville, Ohio. Brooms. 171,054; July 31; Serial No. 175,861; published May 15, 1923.
- Goldberg, Samuel A., Chicago, Ill. Hosiery. 171,241; July 31; Serial No. 170,375; published May 8, 1923.
- Goldsmith's, P. S., Sons, Cincinnati, Ohio. Bat bags, baseball caps, bathing caps, college caps, men's sport clothes, ladies' sport clothes, etc. 171,192; July 31; Serial No. 139,353; published May 8, 1923.
- Golf Progress Company. (See Miller, Arnold W.)
- Goodlatte, T. R., & Sons (Inc.), Clifton, N. J. Oilcloth. 171,118; July 31; Serial No. 175,193; published Apr. 24, 1923.
- Graham Mill & Elevator Co., Graham, Tex. Wheat flour. 171,033; July 31; Serial No. 159,311; published Mar. 27, 1923.
- Great Falls Manufacturing Company, Somersworth, N. H. Cotton piece goods. 171,189; July 31; Serial No. 157,367; published Apr. 3, 1923.
- Greenebaum, Weil & Michels, San Francisco, Calif. Hosiery. 171,256; July 31; Serial No. 169,590; published May 8, 1923.
- Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 171,240; July 31; Serial No. 170,385; published May 15, 1923.
- Griffin, Robert, Company, The, Jersey City, N. J. Wall paper. 171,143; July 31; Serial No. 161,250; published May 1, 1923.
- Grimes, David, doing business as Grimes Radio Engr. Co., New York, N. Y. Radio receiving outfits. 171,042; July 31; Serial No. 174,657; published Apr. 24, 1923.
- Gunckel, Will H., Toledo, Ohio. Beverage sold as a soft drink. 171,137; July 15; Serial No. 159,700; published May 1, 1923.
- H. E. M. Mfg. Co., The, Hamilton, Ohio. Toy coasters. 171,151; July 31; Serial No. 176,023; published Apr. 24, 1923.
- Haas Brothers, San Francisco, Calif. Canned fruits and vegetables. 171,110; July 31; Serial No. 174,694; published May 8, 1923.
- Haiku Fruit & Packing Co., Haiku, Maui, Hawaii, and San Francisco, Calif. Canned pineapple. 171,266; July 31; Serial No. 169,243; published May 8, 1923.
- Halpern, Irving J., doing business as Noise Making Devices Company, New York, N. Y. Hand rattles. 171,114; July 31; Serial No. 174,961; published May 1, 1923.
- Halpern & Kalb, Inc., New York, N. Y. Knitted outer garments. 171,244; July 31; Serial No. 170,186; published May 1, 1923.
- Hardy, Mary M., & Florence H. Baird, South Orange, N. J. Candies. 171,111; July 31; Serial No. 174,737; published May 8, 1923.

- Hawaiian Pineapple Company, Limited, San Francisco, Calif., and Honolulu, Hawaii. Canned pineapple. 171,197; July 31; Serial No. 147,426; published May 8, 1923.
- Heinussy, Francis W., Providence, R. I. Clothes-supporting racks. 171,069; July 31; Serial No. 172,836; published Apr. 24, 1923.
- Hershey Chocolate Company, Hershey, Pa. Chocolate mixture used as a food and in the preparation of food. 171,063; July 31; Serial No. 166,453; published Feb. 20, 1923.
- Hershey Chocolate Company of New York, Inc., New York, N. Y. Sugar coated raisins. 171,129; July 31; Serial No. 158,774; published Apr. 17, 1923.
- Highland Cordage Company, Highland and Hickory, N. C. Cords, twines, ropes, and lines. 171,217; July 31; Serial No. 177,668; published May 15, 1923.
- Hipp, Didisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of same. 171,061; July 31; Serial No. 174,621; published Apr. 24, 1923.
- Hirsch, Walter J., Company, Chicago, Ill. Candy. 171,147; July 31; Serial No. 162,547; published May 15, 1923.
- Hollins, William, & Company, Inc., New York, N. Y. Wool, silk, cotton, and mixtures of same piece goods. 171,272; July 31.
- Horn, A. C., Company, New York, N. Y. Ready-mixed paint for plastered walls, brick or concrete surface, wood and metal trim. 171,165; July 31; Serial No. 176,738; published May 1, 1923.
- Horrocks-Ibbotson Co., Utica, N. Y. Fishing flies and artificial bait. 171,083; July 31; Serial No. 173,601; published May 15, 1923.
- Hunt, C. Howard, Pen Company, Camden, N. J. Pens. 171,154; July 31; Serial No. 176,128; published May 1, 1923.
- Hygienic Fibre Company, Versailles, Conn., and New York, N. Y. Absorbent cotton and gauze, absorbent waste, bandage rolls, etc. 171,215; July 31; Serial No. 177,784; published May 15, 1923.
- International Supply Company, Boston, Mass. Sliding casters. 171,179; July 31; Serial No. 171,697; published Apr. 24, 1923.
- Jameway Co. (See Wayborn, James A.)
- Jean, C. W., Company, Worthington, Ind. Eggs. 171,041; July 31; Serial No. 112,202; published May 8, 1923.
- Jimmy Boy Doll Co. (See Kelley, Lucille B.)
- John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes for painting, varnishing, or applying various liquids. 171,060; July 31; Serial No. 175,585; published May 15, 1923.
- Johnson, Walter J., Columbus, Ohio. Carbon paper, typewriter and multigraph ribbon. 171,074; July 31; Serial No. 171,221; published Apr. 24, 1923.
- Johnston, Robert A., Company, Milwaukee, Wis. Candy. 171,128; July 31; Serial No. 175,659; published May 15, 1923.
- Jones, Vess, doing business as Whistle Company, New York, N. Y. Concentrated sirups for manufacture of nonalcoholic, maltless beverages, etc. 171,018; July 31; Serial No. 167,247; published May 8, 1923.
- Jones, Vess, doing business as Whistle Company, New York, N. Y. Cigarettes, cigars, smoking and chewing tobacco, etc. 171,062; July 31; Serial No. 167,245; published May 8, 1923.
- Jordan Marsh Company, Boston, Mass. Electric sadirons. 171,085; July 31; Serial No. 173,890; published Apr. 24, 1923.
- Julin, Albert A., Chicago, Ill. Hair nets. 171,132; July 31; Serial No. 159,509; published May 1, 1923.
- Kansas City Macaroni & Importing Co., doing business as The Abbreviated Kansas City Macaroni Co., Kansas City, Mo. Macaroni, spaghetti, macaroni shells, vermicelli, egg noodles, etc. 171,169; July 31; Serial No. 171,325; published May 1, 1923.
- Karlsruher Parfümerie- & Toiletseifen-Fabrik, F. Wolff & Sohn, Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Toilet soap and shaving powder to be used in place of shaving soap. 171,096; July 31; Serial No. 173,710; published Apr. 24, 1923.
- Kaynee Company, The, Cleveland, Ohio. Children's rompers and play garments. 171,190; July 31; Serial No. 126,221; published May 1, 1923.
- Kaynee Company, The, Cleveland, Ohio. Overalls. 171,191; July 31; Serial No. 126,222; published May 1, 1923.
- Kelley, Lucille B., doing business as Jimmy Boy Doll Co., Sidney, Ohio. Dolls. 171,122; July 31; Serial No. 175,660; published Apr. 24, 1923.
- Keystone Lubricating Company, Philadelphia, Pa. Lubricants comprising oils and greases. 171,209; July 31. Serial No. 178,511; published May 15, 1923.
- Keystone Lubricating Company, Philadelphia, Pa. Lubricants comprising oils and greases. 171,210; July 31; Serial No. 178,509; published May 15, 1923.
- King Candy Co., Fort Worth, Tex. Candies. 171,257; July 31; Serial No. 169,551; published May 1, 1923.
- King, Frank O., Chicago, Ill. Dolls. 171,222; July 31; Serial No. 177,228; published Apr. 24, 1923.
- Kingly Shirt Co., Chicago, Ill. Men's and boys' shirts. 171,262; July 31. Serial No. 169,363; published May 8, 1923.
- Kirschbaum, R., & Son, Inc., Indianapolis, Ind. Ladies' dresses, coats, and blouses. 171,245; July 31; Serial No. 169,957; published May 8, 1923.
- Knapstein, T. L., Appleton, Wis. Cheese. 171,076; July 31; Serial No. 170,071; published Mar. 27, 1923.
- Knight, Joe M., Elfers, Fla. Oranges, grapefruit, and citrous fruit in their natural state. 171,270; July 31; Serial No. 168,848; published May 1, 1923.
- Konroe Merchants. (See Robert, Samuel.)
- Kortenbach & Rauh, Weyer, Germany. Umbrellas. 171,066; July 31; Serial No. 162,557; published May 8, 1923.
- Kortenbach & Rauh, Weyer, Germany. Umbrellas. 171,148; July 31; Serial No. 162,556; published May 1, 1923.
- Kovacs and Meszaros, Denbo, Pa. Envelopes. 171,146; July 31; Serial No. 162,179; published May 1, 1923.
- Laird Manufacturing Co. Inc., The, Richmond, Va. Coffee. 171,177; July 31; Serial No. 171,581; published May 8, 1923.
- Lake Mills Milk Company. (See Baumann, Carl A.)
- Lanchester Shirt Co. Inc., New York, N. Y. Men's and boys' dress shirts. 171,254; July 31; Serial No. 169,717; published May 8, 1923.
- Larowe Milling Company, Detroit, Mich. Dairy and cattle feed. 171,032; July 31; Serial No. 159,587; published Apr. 3, 1923.
- Larowe Milling Company, The, Detroit, Mich. Dairy and cattle feed. 171,135-6; July 31; Serial Nos. 159,588-9; published Apr. 3, 1923.
- Lazier, J. F., Mfg. Co., St. Louis, Mo. Nonalcoholic, maltless soft drinks. 171,050; July 31; Serial No. 175,430; published May 8, 1923.
- Leggett, Francis H., & Company, New York, N. Y. Canned apricots, grapes, plums, peaches, pineapple, etc. 171,247; July 31; Serial No. 171,275; published May 8, 1923.
- Lifschitz, Charles W., New York, N. Y. Neckbands for men's shirts. 171,131; July 31; Serial No. 159,400; published May 8, 1923.
- Lindemann, A. J., & Hoverson Company, Milwaukee, Wis. Electric stoves, heaters, sadirons, etc. 171,019; July 31; Serial No. 167,575; published Apr. 24, 1923.
- Linsk, Alexander, & Company, assignor to H. J. Maxmin, Philadelphia, Pa. Boys' sailor suits. 171,130; July 31; Serial No. 159,157; published May 8, 1923.
- Liquid Carbonic Company, The, Chicago, Ill. Compound of vegetable gums and sugars for use as an ingredient of ice cream. 171,161; July 31; Serial No. 176,485; published May 22, 1923.
- Liquid Wrench Company. (See Carroll, John A.)
- McHenry Cannery, Modesto, Calif. Canned fruits and vegetables. 171,187; July 31; Serial No. 171,937; published May 1, 1923.
- McKnight, Earl, Pittsburgh, Pa. Candy and confections in the form of a candy block. 171,188; July 31; Serial No. 171,761; published May 1, 1923.
- Mah Juck Mfg. Co. (See Gaffey, John T.)
- Mallory Hat Company, The, Danbury, Conn. Hats for men, women, and children. 171,207; July 31; Serial No. 156,653; published May 8, 1923.
- Manassas Feed & Milling Co. (See Robertson, Bolling L.)
- Marcus, Julius, Company, Chicago, Ill. Food-flavoring extracts. 171,263; July 31; Serial No. 169,313; published May 1, 1923.
- Marinette Electric Corporation, Marinette, Wis. Radio receiving sets. 171,008; July 31; Serial No. 176,634; published Apr. 24, 1923.
- Marshall-Wells Company, Duluth, Minn. Laundry washing machines and wringers. 171,087; July 31; Serial No. 174,211; published Apr. 24, 1923.
- Martins Birmingham Limited, Birmingham, England. Golf balls and footballs. 171,097; July 31; Serial No. 173,972; published May 1, 1923.
- Maxmin, H. J. (See Linsk, Alexander & Company, assignor.)
- Mayer China Company, The, Beaver Falls, Pa. Chinaware. 171,115; July 31; Serial No. 175,017; published May 8, 1923.
- Merrell-Soule Company, Syracuse, N. Y. Whole-milk powder. 171,105; July 31; Serial No. 174,474; published May 8, 1923.
- Mica Insulator Company, New York, N. Y. Treated and untreated tapes for electrical insulation purposes. 171,086; July 31; Serial No. 173,844; published Apr. 24, 1923.
- Midland Flour Milling Co., The, Kansas City, Mo. Gray shorts. 171,009; July 31; Serial No. 169,029; published Mar. 20, 1923.
- Miller, Arnold W., doing business as Golf Progress Company, Columbus, Ohio. Golf-stroke practice and exercising device. 171,163; July 31; Serial No. 176,637; published Apr. 24, 1923.
- Miller-McMillen Co., Watertown, S. Dak. Candy bar. 171,181; July 31; Serial No. 172,235; published May 8, 1923.
- Mintz & Friedman, New York, N. Y. Men's and young men's suits and topcoats. 171,259; July 31; Serial No. 169,455; published May 1, 1923.
- Morris, Jos. A., & Co., Inc., New York, N. Y. Ladies' and misses' dresses. 171,239; July 31; Serial No. 170,399; published May 8, 1923.
- Morse, A. G., Co. Inc., Chicago, Ill. Candy. 171,123; July 31; Serial No. 175,674; published May 15, 1923.

- Morton, Ted, & Co. Inc., New York, N. Y. Stuffed figure toys and ornamented surfaces to be formed into stuffed figure toys. 171,007; July 31; Serial No. 176,639; published May 15, 1923.
- Mountain City Mill Company, Chattanooga, Tenn. Feed for horses, cattle, hogs, and chickens. 171,031; July 31; Serial No. 160,419; published Mar. 27, 1923.
- National Cap Mfg. Company, Louisville, Ky. Caps for men, boys, and children. 171,133; July 31; Serial No. 159,522; published May 1, 1923.
- National Electric Manufacturing Company, Pittsburgh, Pa. Electric hammers. 171,055; July 31; Serial No. 175,881; published Apr. 24, 1923.
- Near East Trading Co. (See Funke, Edward.)
- Never Enough Pie Company, The, Bridgeport, Conn. Articles of food. 171,077; July 31; Serial No. 169,769; published Apr. 3, 1923.
- Newhall, H. M., & Co., San Francisco, Calif. Canned fruits and vegetables. 171,253; July 31; Serial No. 169,772; published May 1, 1923.
- Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 171,094; July 31; Serial No. 173,663; published May 1, 1923.
- Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 171,095; July 31; Serial No. 173,668; published May 1, 1923.
- Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 171,112; July 31; Serial No. 174,747; published May 1, 1923.
- Noblesville Milling Co., Noblesville, Ind. Wheat flour. 171,021; July 31; Serial No. 167,885; published Mar. 20, 1923.
- Noise Making Devices Company. (See Halpern, Irving J.)
- North-Western Trust & Savings Bank, Chicago, Ill. Publications and negotiable papers. 171,036; July 31; Serial No. 151,922; published Apr. 10, 1923.
- Nu Grape Company of America, The, Atlanta, Ga. Non-alcoholic, maltless grape beverage. 171,157; July 31; Serial No. 176,276; published May 1, 1923.
- Ohio Confection Company, The, Cleveland, Ohio. Candy. 171,168; July 31; Serial No. 175,883; published May 15, 1923.
- Pacent Electric Company, Incorporated, New York, N. Y. Jacks for radio telephone and telegraph and similar purposes. 171,274; July 31.
- Pacent Electric Company, Incorporated, New York, N. Y. Connector plugs for radio telephone and telegraph and similar purposes. 171,275; July 31.
- Parfumerie Caron. (See Daltroff, E., & Cie.)
- Parker-Bridget Company, Washington, D. C. Ladies' sport suits and coats. 171,138; July 31; Serial No. 159,720; published May 1, 1923.
- Parnbeck Chocolate Co., Inc., New York, N. Y. Chocolate candies. 171,125; July 31; Serial No. 175,515; published May 15, 1923.
- Peerless Paper Company, The, Dayton, Ohio. Bond paper. 171,178; July 31; Serial No. 171,653; published May 8, 1923.
- Philbsen Products Co. (See Bern, Philip S.)
- Pinkus, Max, doing business as John Price & Co., Philadelphia, Pa. Canned salmon. 171,124; July 31; Serial No. 175,735; published May 15, 1923.
- Plainville Electric Products Company, The, Plainville, Conn. Knife switches, panel boards, switchboards, and fuse reducers. 171,073; July 31; Serial No. 171,432; published Apr. 24, 1923.
- Pleasant Grove Canning Co., Pleasant Grove, Utah. Fresh deciduous and citrus fruits, fresh vegetables, canned fruits, and vegetables, etc. 171,186; July 31; Serial No. 171,952; published May 1, 1923.
- Polyphonwerke Aktiengesellschaft, Berlin, Germany. Phonographs, coin-operated talking and musical machines and phonograph needles. 171,039; July 31; Serial No. 145,583; published Apr. 24, 1923.
- Potter-McCune Company, McKeesport, Pa. Coffee, canned fruits, vegetables, and fish, table molasses. 171,020; July 31; Serial No. 167,687; published Apr. 3, 1923.
- Potter-Wrightington, Inc., Boston, Mass. Bread and crackers. 171,064; July 31; Serial No. 164,186; published Mar. 27, 1923.
- Powell, Leopold, & Co., New York, N. Y. Cigars, cheroots, and little cigars. 171,038; July 31; Serial No. 149,480; published May 15, 1923.
- Prescott & Company, Boston, Mass. Domestic refrigerators. 171,224; July 31; Serial No. 177,199; published May 8, 1923.
- Price-Booker Manufacturing Company, Waco and Houston, Tex. Pickles and condiments. 171,099; July 31; Serial No. 174,100; published May 8, 1923.
- Price, John, & Co. (See Pinkus, Max.)
- Princess Dress House. (See Bernstein, Louis.)
- Pyramid Process Co., Inc., East Rochester, N. Y. Dry paste. 171,223; July 31; Serial No. 177,200; published May 15, 1923.
- Radio Corporation of America, New York, N. Y. Radio receiving sets. 171,044; July 31; Serial No. 174,859; published Apr. 24, 1923.
- Radio-Lite, Inc., Boston, Mass. Electric lights for automobiles and other vehicles and parts thereof. 171,070; July 31; Serial No. 172,394; published Apr. 24, 1923.
- Randolph Milling Company, Baldwin, Ill. Wheat flour. 171,026; July 31; Serial No. 168,170; published Apr. 3, 1923.
- Realsilk Fabrics Corporation, Brooklyn, N. Y. Hosiery and knitted underwear. 171,243; July 31; Serial No. 170,308; published May 8, 1923.
- Republic Varnish Company, Newark, N. J. Ready-mixed paint, varnish, and paint enamel. 171,226; July 31; Serial No. 177,107; published May 15, 1923.
- Requa Bros., Cold Spring Harbor, N. Y. Coffee and tea. 171,233; July 31; Serial No. 170,834; published May 15, 1923.
- Riker, Galindo & Company, Inc., New York, N. Y. Coffee, flavoring extracts, milk, tea, canned goods. 171,277; July 31.
- Roach Tisdale & Co., Minneapolis, Minn. Confections comprising chocolates, bonbons, hard candies, etc. 171,089; July 31; Serial No. 173,534; published Apr. 24, 1923.
- Robert, Samuel, doing business as Konroe Merchants, New York, N. Y. Dolls and toy favors. 171,080; July 31; Serial No. 173,247; published May 15, 1923.
- Robertson, Bolling L., doing business as Manassas Feed & Milling Co., Manassas, Va. Wheat flour. 171,014; July 31; Serial No. 169,323; published Apr. 3, 1923.
- Rosenbloom, J. Philip, Co., Inc., New York, N. Y. Young ladies' dresses. 171,258; July 31; Serial No. 169,457; published May 1, 1923.
- Royal Seal Food Products Co., Chicago, Ill. Dates, salted nuts, and preserved figs. 171,234; July 31; Serial No. 170,789; published May 8, 1923.
- Russell Playing Card Co., Milltown, N. J. Playing cards. 171,225; July 31; Serial No. 177,109; published Apr. 24, 1923.
- S & S Shirt Company, The, Philipsburg, Pa. Work, dress, negligee, and flannel shirts. 171,196; July 31; Serial No. 147,217; published May 1, 1923.
- Safety Sled Company, Inc., Mount Jewett, Pa. Sleds. 171,150; July 31; Serial No. 175,949; published Apr. 24, 1923.
- Santa Clara Company. (See Steohr, Richmond G.)
- Seward Trunk and Bag Company, Petersburg, Va. Wardrobe trunks. 171,214; July 31; Serial No. 178,004; published May 15, 1923.
- Seymour Packing Company, The, Topeka, Kans. Dressed poultry. 171,113; July 31; Serial No. 174,925; published May 8, 1923.
- Silver, M. & H., Incorporated, Norfolk, Va. Fountain pens and pencils. 171,045; July 31; Serial No. 174,928; published May 15, 1923.
- Silz, A., Inc., New York, N. Y. Canned plum pudding. 171,231; July 31; Serial No. 171,141; published May 22, 1923.
- Sipp Novelty Co., Inc., New York, N. Y. Spinning tops. 171,116; July 31; Serial No. 175,029; published May 1, 1923.
- Smith, Edward & Company, Long Island City, N. Y. Varnishes. 171,219; July 31; Serial No. 177,629; published May 1, 1923.
- Smith & Egge Manfg. Co., The, Bridgeport, Conn. Sheet-metal chains. 171,090; July 31; Serial No. 173,447; published Apr. 24, 1923.
- Smith, J. Allen, & Company, Knoxville, Tenn. Stock feed. 171,011; July 31; Serial No. 169,089; published Mar. 27, 1923.
- Sonora, Inc., New York, N. Y. Talking machines and phonographs. 171,276; July 31.
- Sperlich and Uhlig Company, Detroit, Mich. Mangles. 171,075; July 31; Serial No. 170,222; published Apr. 24, 1923.
- Square Dipper Specialty Company, Pittsburgh, Pa. Ice-cream confections. 171,175; July 31; Serial No. 171,474; published Mar. 27, 1923.
- Stanley Works, The, New Britain, Conn. Hammers. 171,249; July 31; Serial No. 167,491; published Feb. 27, 1923.
- Steele-Wedeles Company, Chicago, Ill. Canned and dried fruits and vegetables, canned fish, salted fish, canned meats, etc. 171,139; July 31; Serial No. 159,889; published Mar. 20, 1923.
- Stern, Max, Charleroi, Pa. Cigars. 171,079; July 31; Serial No. 169,516; published May 8, 1923.
- Stoehr, Richmond G., doing business as Santa Clara Company, Boston, Mass. Soft drink. 171,106; July 31; Serial No. 174,491; published May 1, 1923.
- Strohmeyer & Arpe Company, New York, N. Y. Olive and salad oils. 171,200; July 31; Serial No. 151,237; published May 1, 1923.
- Strype, Fred C., New York, N. Y. Apple wrappers. 171,005; July 31; Serial No. 176,924; published May 15, 1923.
- Suffern, Robert A., New York, N. Y. Unbleached sheetings and drills. 171,208; July 31; Serial No. 157,109; published Apr. 17, 1923.
- Sunshine Stores, Inc., San Francisco, Calif. Butter. 171,027; July 31; Serial No. 168,498; published Mar. 20, 1923.
- Taintor Company, The, New York, N. Y. Paris white. 171,158; July 31; Serial No. 176,314; published May 1, 1923.
- Taiyo Trading Co., Inc., New York, N. Y. Crab meat. 171,248; July 31; Serial No. 171,236; published May 15, 1923.
- Tanner, William E., Brunswick, Me. Beverages sold as soft drinks and sirups for making same. 171,088; July 31; Serial No. 174,495; published May 15, 1923.

- Tate & Lyle Limited, London, England. Sugar. 171,145; July 31; Serial No. 161,707; published May 15, 1923.
- Tharinger Macaroni Company, Milwaukee, Wis. Alimentary paste products. 171,229; July 31; Serial No. 171,186; May 15, 1923.
- Tissue Company, The, Saugerties, N. Y. Crêpe paper. 171,002; July 31; Serial No. 177,150; published May 15, 1923.
- Toewear Hosiery Incorporated, Norristown, Pa. Hosiery. 171,199; July 31; Serial No. 148,774; published May 8, 1923.
- Tristate Baking Co., Flint, Mich. Edible rolls. 171,010; July 31; Serial No. 169,103; published Apr. 3, 1923.
- U. S. Hame Company, Buffalo, N. Y. Hames, hame trimmings, and saddlery hardware. 171,211-12; July 31; Serial Nos. 178,312-13; published May 15, 1923.
- Union Radio Corporation, New York, N. Y. Radio telephone and telegraphic instruments and parts thereof. 171,068; July 31; Serial No. 162,091; published Apr. 24, 1923.
- United States Juvenile Vehicle Co. (See Casey, John T.)
- Valley of the Kings Corporation. (See Funke, Edward, assignor.)
- Vanity Fair Silk Mills, Reading, Pa. Ladies' silk underwear. 171,198; July 31; Serial No. 147,649; published May 8, 1923.
- Virden Packing Company, San Francisco, Calif. Canned and bottled fruits, jams, jellies, and olives. 171,126; July 31; Serial No. 175,581; published May 15, 1923.
- W & L Baking Company, Jackson, Mich. Prepared doughnut mixture. 171,022; July 31; Serial No. 167,960; published Mar. 20, 1923.
- Wall-Kane Needle Mfg. Co. Inc., Brooklyn, N. Y. Phonograph needles. 171,271; July 31.
- Ward Baking Company, New York, N. Y. Bread. 171,015; July 31; Serial No. 169,386; published Apr. 3, 1923.
- Ward Baking Company, New York, N. Y. Bread. 171,016; July 31; Serial No. 169,387; published Mar. 27, 1923.
- Ward Baking Company, New York, N. Y. Bread. 171,028; July 31; Serial No. 168,699; published Apr. 3, 1923.
- Wayborn, James A., doing business as Jameway Co., Brooklyn, N. Y. Prunes. 171,205; July 31; Serial No. 154,631; published May 15, 1923.
- Way Works, Incorporated, Philadelphia, Pa. Hinges. 171,107; July 31; Serial No. 174,549; published Apr. 24, 1923.
- Weisbecker, Charles, New York, N. Y. Salad dressing. 171,102; July 31; Serial No. 174,349; published May 8, 1923.
- Western Bottle Manufacturing Company, Chicago, Ill. Powder puffs. 171,056; July 31; Serial No. 176,140; published May 15, 1923.
- Western Bottle Manufacturing Company, Chicago, Ill. Powder puffs, tooth, hair, hand, and clothes brushes. 171,057; July 31; Serial No. 176,145; published May 15, 1923.
- Western Tobacco Company, Inc., New York, N. Y. Cigarettes. 171,156; July 31; Serial No. 176,236; published Apr. 24, 1923.
- Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lightning arresters. 171,006; July 31; Serial No. 176,864; published Apr. 24, 1923.
- Wetterau, G. H., & Sons Grocer Company, St. Louis, Mo. Fruit preserves, jams, jelly, apple butter, sweet and sour pickles, etc. 171,235; July 31; Serial No. 170,736; published May 8, 1923.
- White & Wyckoff Manufacturing Company, Holyoke, Mass. Papereries, writing and typewriting tablets, writing paper, and mailing envelopes. 171,149; July 31; Serial No. 175,750; published May 1, 1923.
- Whyte Commission Company, Pine Bluff, Ark. Stock feed. 171,012; July 31; Serial No. 169,108; published Mar. 27, 1923.
- Whyte Commission Company, Pine Bluff, Ark. Stock, dairy, and poultry feed. 171,013; July 31; Serial No. 169,109; published Mar. 20, 1923.
- Wightman & Hough Company, Providence, R. I. Cigarette, cigar, match, spectacle, eyeglass, and vanity cases. 171,278; July 31.
- Wilson Brothers, Chicago, Ill. Men's dress and negligee shirts, pyjamas, and underwear of textile fabric. 171,242; July 31; Serial No. 170,320; published May 8, 1923.
- Wilton-Plantz Candy Company, The, Valdosta, Ga. Manufactured candy with nuts into a "nut bar." 171,204; July 31; Serial No. 154,540; published May 1, 1923.
- Winchester Company, The, New Haven, Conn. Golf bags. 171,152; July 31; Serial No. 176,055; published Apr. 24, 1923.
- Wodicska, Louise, doing business as Ex Pito Manufacturing Company, New York, N. Y. Preparation for the treatment of piles. 171,093; July 31; Serial No. 173,616; published May 8, 1923.
- Wool, F. G., Packing Company, San Jose, Calif. Canned fruits, fruit salad, and vegetables, dried fruit. 171,184; July 31; Serial No. 172,071; published May 1, 1923.
- Zolla, Max A., Chicago, Ill. Artificial pearls. 171,142; July 31; Serial No. 160,378; published Apr. 24, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- American Fabrics Company, The, Bridgeport, Conn. A. E. C. Laces. For Lace Cards. 26,264; July 31.
- Blatz, Val., Brewing Company, doing business as Blatz Products Co., Milwaukee, Wis. Blatz Bohemian Malt Syrup. For Malt Sirups. 26,282; July 31.
- Bruett, T. A., Lumber, Inc., Milwaukee, Wis. The Shingle Beautiful. For Shingles. 26,265; July 31.
- Chicago Metallic Packing Co., Chicago, Ill. "Rhopac" Flexible Metallic Packing. For Packing. 26,266; July 31.
- Cooney, Frank B., Minneapolis, Minn. Cooney's Ink Paste. For Concentrated Ink. 26,267; July 31.
- Dwight Edwards Company, Portland, Oreg. Dependable. For Coffee. 26,268; July 31.
- Emmis-Hanly-Blackburn Coffee Co., The, Kansas City, Mo. Golden Horn. For Roasted Coffee. 26,269; July 31.
- Hammersley Manufacturing Company, The, New York, N. Y. Whole Wheat Bread. For Bread. 26,270; July 31.
- Hammersley Manufacturing Company, The, New York, N. Y. Graham Bread. For Bread. 26,271; July 31.
- Hirschler, Lee M., doing business as Hirschler & Co., Cincinnati, Ohio. Blue Dot. For Hops. 26,272; July 31.
- Long Island Poultry Association, Huntington, N. Y. Eggs. For Poultry Products. 26,273; July 31.
- Mailiard & Schmidell, San Francisco, Calif. Golden Cal. For Canned Grapefruit. 26,274; July 31.
- Mailiard & Schmidell, San Francisco, Calif. Golden Cal. For Canned Asparagus. 26,275; July 31.
- Merriman, J. W., Seattle, Wash. Seaware. For Paint. 26,276; July 31.
- Miller Rubber Company, The, Akron, Ohio. Baby Comfort Kit. For a Container Holding Articles for the Care of Babies. 26,277; July 31.
- Musical Toy Production Company, The, New York, N. Y. It's a Candy Dandy Bird. For a Toy with a Whistle. 26,278; July 31.
- Parodi Cigar Co., Inc., Jersey City, N. J. Sigaro Vesuvio. For Boxes and Cans Containing Cigars. 26,279; July 31.
- Remington Arms Company, Inc., New York, N. Y., Bridgeport, Conn., and Ilion, N. Y. Buck Shot Load. For Loaded Shot Shells. 26,280; July 31.
- Seligman, Nathan, doing business as N. Seligman Co., New York, N. Y. Wanda Hair Net. For Hair Nets. 26,281; July 31.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

- Apex Electrical Manufacturing Company, Cleveland, Ohio. Hour Saving Appliances. For Domestic-Labor-Saving Devices, and Particularly Vacuum Cleaners, Washers, Ironers, and Wringers. 6,836; July 31.
- Columbia Graphophone Company, New York, N. Y. Columbia New Process Records. For Graphophone Records. 6,837; July 31.
- Fairbank, N. K., Company, The, New York, N. Y. Kept Sweet and Clean with Gold Dust. For Gold Dust Washing Powder. 6,838; July 31.
- Fairbank, N. K., Company, The, New York, N. Y. Your Men Folks Prefer Fairy Soap. For Fairy Soap. 6,839; July 31.
- Georgia, Wm. B., Waco, Tex. Hitone Kut. For Fancy-Cut Spectacle and Eyeglass Lenses. 6,840; July 31.
- Squibb, E. R., & Sons, New York, N. Y. That you may know. For Drugs. 6,841; July 31.
- Squibb, E. R., & Sons, New York, N. Y. Most Serious Dental Troubles Start at The Danger Line. For Squibb's Magnesia Dental Cream. 6,842; July 31.
- Steameter Co., The, Chicago, Ill. Steameter The new heat Indicator. For Temperature-Indicating Devices. 6,843; July 31.
- Sturdy's, J. F. Sons Company, Attleboro Falls, Mass. Above them all. For Cuff Buttons. 6,844; July 31.
- Thommen's Inc., Philadelphia, Pa. Thommen's Inc. Originators of the Japanese Cake. For Cake. 6,845; July 31.
- Williams, J. B., Company, The, Glastonbury, Conn. Williams' Doublecap Shaving Stick. For Shaving-Soap Sticks. 6,846; July 31.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- A & P Products Corporation, The, Jersey City, N. J. Canned salmon. 179,696-7; July 31.
- Aetna Life Insurance Company, Hartford, Conn. Monthly periodical. 180,318; July 31.
- All Saints Cigar Co., Tampa, Fla. Cigars. 180,165; July 31.
- American Lady Waist Co., The, New York, N. Y. Ladies' waists. 155,589; July 31.
- American Mutual Liability Insurance Company of Boston, Boston, Mass. Monthly publication. 178,019; July 31.
- Ames & Ames, Mecca, Calif. Fresh citrus fruits, fresh grapes, and vegetables. 179,510; July 31.
- Anchorage Packing Co., Seattle, Wash. Canned salmon. 179,918; July 31.
- Anderson, Cleon E., doing business as D. W. Anderson Drug Co., Moroni and Ephraim, Utah. Preparation for canker and sore throat. 175,292; July 31.
- Anna Creamery Company, Anna, Ohio. Butter. 174,685; July 31.
- Archer, Lenah B., Navarre, Ohio. Alloy made from nickel ore for forging steel. 168,288; July 31.
- Attica Mills, The, Attica, Kans. Wheat flour. 156,133; July 31.
- Austin, Nichols & Co. Inc., Brooklyn, N. Y. Apricots, cherries, peaches, pineapple, etc. 171,523; July 31.
- Baker, Hamilton and Pacific Company. San Francisco, Calif. Garden hose. 170,359; July 31.
- Barbour Flax Spinning Co., Paterson, N. J. Hand-sewing and machine-sewing linen threads. 179,985; July 31.
- Barr Manufacturing Corporation, Tyrone, Pa. Complexion clay. 179,392; July 31.
- Bayard Chemical Company, New York, N. Y. Hair pomade. 179,393; July 31.
- Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' shirts. 177,763; July 31.
- Bishop & Company, Los Angeles, Calif. Cookies. 174,955-6; July 31.
- Block-Walsh Corporation, New York, N. Y. Table board game. 181,010; July 31.
- Blue Lion Patch Co., The. (See St. John, Thomas A.)
- Bowman, John M., Lanark, Ill. Preparation for use in the treatment of hog cholera and a vermifuge preparation. 181,172; July 31.
- Boyd Packing Company. (See Patrick-Young Company.)
- Bruno Radio Corporation, New York, N. Y. Radio sending and receiving sets. 171,442; July 31.
- Bursley, G. E., & Company, Fort Wayne, Ind. Rolled oats, coffee, spaghetti, etc. 175,183; July 31.
- Busy Bee Candy Company, St. Louis, Mo. Candy and cakes. 171,829; July 31.
- California Almond Packers, Sacramento and North Sacramento, Calif. Salted almonds. 179,585; July 31.
- Campbell Manufacturing Co., The, Rochester, N. Y. Patching paste. 181,631; July 31.
- Canton Forge & Axle Company, Canton, Ohio. Tools, and particularly rail-anchor wrenches. 181,059; July 31.
- Carney, Linwood S., Boston, Mass. Nonalcoholic, maltless vegetable extract for soft-drink purposes. 180,467; July 31.
- Case-Teel Company, Inc., Jackson, Miss., and New Orleans, La. Stock and poultry feed. 174,509; July 31.
- Certain-Teed Products Corporation, Baltimore, Md., and St. Louis, Mo. Ready-mixed paints for interior surfaces. 181,174; July 31.
- City of Paris Dry Goods Company, San Francisco, Calif. Bath salts. 175,917; July 31.
- Colfax Fruit Growers Assn., Colfax, Calif. Fresh deciduous fruits. 179,459; July 31.
- Colgate & Company, Jersey City, N. J. Perfumes and toilet waters. 179,776-9; July 31.
- Concentrated Products Corporation, Carlstadt, N. J., and New York, N. Y. Laundry soap. 180,527; July 31.
- Cowiche Creamery, Cowiche, Wash. Butter, cheese. 173,565; July 31.
- Croft & Knapp Co., The, South Norwalk, Conn. Caps and hats of felt, straw, silk, etc. 176,329; July 31.
- Cummings & Johnson, Salt Lake City, Utah. Card game. 180,528; July 31.
- Cutter Electrical and Manufacturing Company, The, Philadelphia, Pa. Electrical switches, circuit breakers, etc. 179,928; July 31.
- Dalton Hosiery Mills, Dalton, Ga. Hosiery. 177,832; July 31.
- Davidson Brothers Company, Sioux City, Iowa. Ladies' hats and bonnets. 178,895; July 31.
- Davol, Chas. J., North Kingstown, R. I. Milk, butter. 167,714; July 31.
- Dern Food Company, The, Colorado Springs, Colo. Coffee. 179,857; July 31.
- Drs. Brown and Brown, Chicago, Ill. Medicated wax for treatment of pyorrhea. 177,269; July 31.
- Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 179,683; July 31.
- Eyles, Laura J., Chicago, Ill. Dolls. 180,331; July 31.
- Ferris Bros. Company, The, New York, N. Y. Corsets, corset waists, and brassieres. 175,779; July 31.
- Foley Food Product Company, Washington, D. C. Food product. 175,480; July 31.
- Ford Flour Company, Inc., Wilmington, Del., and Nashville, Tenn. Self-rising flour. 172,327; July 31.
- Frankenberg, Morgan & Singleton, New York, N. Y. Woolen cloth. 180,659; July 31.
- Freund, Freund & Company, New York, N. Y. Nankins and tickings in the piece. 178,835; July 31.
- Fulcrum-Tan Company, assignor to Geltan Company, New York, N. Y. Tanning materials. 180,118; July 31.
- Gabel Bros., Garnerville, N. Y. Stove polish. 150,895; July 31.
- Garfield Worsted Mills, Garfield, N. J. Knitted woolen piece goods. 178,604; July 31.
- Geltan Company. (See Fulcrum-Tan Company.)
- Georgene, Madame, Inc., New York, N. Y. Dolls. 180,003; July 31.
- Globe Beverage Co. (See Grassini, Frank L.)
- Goldblum, Theodore, doing business as Stanley Drug Company, Philadelphia, Pa. Medicine for general debility, nervous prostration, etc. 177,736; July 31.
- Grassini, Frank L., doing business as Globe Beverage Co., Chicago, Ill. Nonalcoholic maltless beverage sold as a soft drink. 178,178; July 31.
- Griffing Manufacturing Co., The, Norwalk, Conn. Braids, tinsel braids, cord edge, tubular, soutache, etc., braids. 177,776; July 31.
- Guarantie Company, The. (See Kahil, Abraham A.)
- Guidici, Luigi, Greensburg, Pa. Cigarette papers prepared ready for use. 180,474; July 31.
- H. L. Distillator & Son, New York, N. Y. Ladies' hats. 177,727; July 31.
- Hamilton Rubber Manufacturing Company, Trenton, N. J. Fruit-jar rubbers. 180,862; July 31.
- Harlan, O. A., & Co., San Jose, Calif. Dried fruits and canned fruits and vegetables. 179,469; July 31.
- Harrington & Hord, Fort Worth, Tex. Article of food. 169,129; July 31.
- Harrison & Co., also doing business as Harrison Flour Mills Co., New York, N. Y. Wheat flour. 166,371; July 31.
- Harrison & Co., also doing business as Harrison Flour Mills Co., New York, N. Y. Wheat flour. 166,672-3; July 31.
- Hay, Carl A., doing business as Newton Ice Cream Company, Newton, Kans. Ginger ale and nonalcoholic, maltless beverages sold as soft drinks. 180,428; July 31.
- Hecht & Mendes Incorporated, New York, N. Y. Cotton fabrics, cotton and silk mixed fabrics, cotton and wool mixed fabrics, etc. 178,560; July 31.
- Hillbern Thrift Corporation, Chicago, Ill. Printed books. 176,626; July 31.
- Home Foods Service Company Incorporated, Denver, Colo. Breakfast cereal foods. 167,084; July 31.
- Houze, L. J., Convex Glass Company, Point Marion, Pa. Sheet glass. 181,398; July 31.
- Humberstone, C. C., doing business as Monarch Packing & Supply Co., Chicago, Ill. Compressed asbestos-fiber sheet packing. 180,122; July 31.
- Indianapolis Abattoir Company, Indianapolis, Ind. Hams, bacon, sausages, shoulders, etc. 176,629; July 31.
- Industrial Oil Co. Inc., East Providence, R. I. Gasoline. 181,447; July 31.
- Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Hose composed of rubber and fabric. 180,933-4; July 31.
- Jones, John F., Pomona, Calif. Piston packing rings. 158,929; July 31.
- Jouvence Company, Inc., The, New York, N. Y. Liquid for cleansing and beautifying the skin and improving the complexion. 179,045; July 31.
- Kahil, Abraham A., doing business as The Guarantie Company, New York, N. Y. Neckties, scarfs, and sweaters. 177,492; July 31.
- Kahles, Charles W., Queens, N. Y. Cartoon feature. 175,871; July 31.
- Kaidasz, Satie, Philadelphia, Pa. Laxative. 180,224; July 31.
- Ka-Nix Sales Co. (See Warnick, Edward A.)
- Kehler Flour Mills Company, St. Louis, Mo. Wheat flour. 169,908; July 31.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

vii

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

- Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 179,105; July 31.
- Knothe Brothers Co., Inc., New York, N. Y. Garters, waist belts, and suspenders. 177,915; July 31.
- Koetter, William H., doing business as Koetter Manufacturing Co., Peoria, Ill. Carbon remover for gasoline engines. 180,126; July 31.
- Larson, Clifford M., Chicago, Ill. Liquid gauges, gauges for measuring the relative change in gravities of liquids, etc. 178,049; July 31.
- Legion Publishing Corporation, New York, N. Y. Magazine section. 176,196; July 31.
- Leo, Ansel S., New York, N. Y. Wheat flour. 143,823; July 31.
- Levite Manufacturing Company, Dothan, Ala. Tonic to be applied to the scalp and as a tonic and dressing for the hair. 177,679; July 31.
- Libby, McNeill & Libby, Chicago, Ill. Pork and beans, meat extracts, bouillon cubes, etc. 159,711; July 31.
- Lindsley, Benjamin F., doing business as The Perfection Bed Spring Company, Mansfield, Ohio. Bed springs. 175,801; July 31.
- Longmont Farmers Milling & Elevator Co., The, Longmont, Colo. Wheat flour. 169,722; July 31.
- Los Angeles Fertilizer Company, Oakland, Calif. Meat scraps for poultry food. 159,269; July 31.
- Lund, George, doing business as George Lund Company, New York, N. Y. Dolls and animals cut-outs to be filled with sand. 181,134; July 31.
- McCann, Eugene B., doing business as Mutual Benefit Association, New York, N. Y. Coupons for the purchase of merchandise. 173,776; July 31.
- Marinello Company, La Crosse, Wis. Rouge and face powder. 177,187; July 31.
- Marshall Field & Company, Chicago, Ill. Scissors, shears, and pocketknives. 177,371; July 31.
- Marshall-Wells Company, Duluth, Minn. Hammers. 178,528; July 31.
- Mellor, Walter, Philadelphia, Pa., and Cummington, Mass. Raw milk and cream, butter, cheese, eggs, etc. 166,082; July 31.
- Mez, Gustav, doing business as Mercedes Büro Maschinen- und Waffen-Werke, Benshausen, Post Mehlis in Thuringia, Germany. Adding and calculating machines and parts thereof, etc. 162,938-9; July 31.
- Miller, Alton L., doing business as Charles N. Miller Co., Boston, Mass. Candy. 179,479; July 31.
- Miller, G. L., & Company, Inc., Wilmington, Del., and New York, N. Y. Bonds, certificates, booklets, stories. 175,367; July 31.
- Miller, Theodore, New York, N. Y. Tooth paste. 177,861; July 31.
- Miller & Van Winkle, Inc., Brooklyn, N. Y. Springs for general use. 165,501; July 31.
- Minot, Hooper & Co., New York, N. Y. Cotton drilling in the piece. 180,714; July 31.
- Mogul Electric Company, Seattle, Wash. Batteries. 171,135; July 31.
- Monarch Packing & Supply Co. (See Humberstone, C. C.)
- Montague, W. R., Company, The, La Crosse, Wis. Candy. 167,580; July 31.
- Morgan Shoe Company, Boston, Mass. Nurses' shoes. 176,801; July 31.
- Multibestos Company, Walpole, Mass. Brake lining. 180,341; July 31.
- Munzer, Ida, Inc., New York, N. Y. Brassières. 176,804; July 31.
- Murray Company, The, Boston, Mass. Nonalcoholic, maltless sirups and extracts for beverage purposes. 180,983; July 31.
- Mutual Benefit Association. (See McCann, Eugene B.)
- Nafziger Baking Company, Kansas City, Mo. Bread. 175,262; July 31.
- National Nut Products Co., Inc., New York, N. Y. Salted nut meats. 179,109; July 31.
- National Process Company, Inc., New York, N. Y. Photo prints. 158,487; July 31.
- Newton Ice Cream Company. (See Hay, Carl A.)
- Norwalk Tire & Rubber Company, The, Norwalk, Conn. Elastic vehicle tires. 179,315; July 31.
- Pacific Radio Publishing Co., Inc., San Francisco, Calif. Monthly publication. 161,747; July 31.
- Packard Motor Car Company of New York, New York, N. Y. Rubber tubes for pneumatic tires. 177,510; July 31.
- Park & Tilford, New York, N. Y. Fruit (in jars), maraschino cherries, figs, dates, etc. 172,553; July 31.
- Parke, Davis & Company, Detroit, Mich. Extract anterior lobe pituitary gland. 179,220; July 31.
- Parker Brothers, Portland, Me., and Salem, Mass. Indoor table game played with cards and domino-shaped blocks. 180,721; July 31.
- Patrick-Young Company, also doing business as Boyd Packing Company, Richmond, Va. Smoked hams and bacon. 179,677; July 31.
- Peanut Growers Association, Norfolk, Va. Peanuts, salted peanuts, peanut butter, oil, and meal. 173,004; July 31.
- Pennsylvania Lubricating Company, Pittsburgh, Pa. Lubricating oils and greases. 178,566; July 31.
- Perfection Bed Spring Company. (See Lindsley, Benjamin F., assignor.)
- Peters, Albert T., doing business as Vitaminal Products Co., Peoria, Ill. Cattle, swine, dairy and poultry feed. 161,200; July 31.
- Picard, Henri, New York, N. Y. Hats and caps. 160,428-9; July 31.
- Plant, Thomas G., Company, Boston, Mass. Boots, shoes, and slippers. 167,422; July 31.
- Quaker Oats Company, The, Chicago, Ill. Wheat flour and stock feeds. 174,102; July 31.
- Rajah Radio Guild, University City, Mo. Radio receiving sets and parts thereto. 180,142; July 31.
- Reiffman-Corn Inc., New York, N. Y. Vests for outer wear for men. 177,801; July 31, 1923.
- Roper, Geo. D., Corporation, Rockford, Ill. Compilation and card index of recipes, and printed recipes. 176,654; July 31.
- Russ, E. F., Company, Boston, Mass. Glue. 181,700; July 31.
- Sawdey & Hunt, Los Angeles, Calif. Fresh lettuce and cantaloupes. 179,884; July 31.
- Schicht, Georg, A. G., Aussig, Czechoslovakia. Toilet and medicinal soap. 171,139; July 31.
- Schicht, Georg, A. G., Aussig, Czechoslovakia. Toilet and medicinal soap. 171,147; July 31.
- Schooley, Eugene R., doing business as Henry N., Schooley and Son, Luzerne, Pa. Food for chickens. 166,573; July 31.
- Schulze, Louis, doing business as Success Pharmaceutical Co., Baltimore, Md. Remedy for toothache and neuralgia, and medicinal preparation for removing corns. 180,392; July 31.
- Sears, Roebuck and Co., Chicago, Ill. Corsets. 175,525; July 31.
- Smith, Arthur G., doing business as The Spic Company, Chicago, Ill. Toilet powder. 180,304; July 31.
- Snap-On Wrench Company, Milwaukee, Wis. Screw drivers. 180,776; July 31.
- Snell & Atherton, Inc., Brockton, Mass. Nippers. 180,901; July 31.
- Southwestern Milling Company, Inc., The, New York, N. Y. Wheat flour. 174,597; July 31.
- Spangenberg & Co., Chicago, Ill. Eggs. 168,494; July 31.
- Spic Company, The. (See Smith, Arthur G.)
- Standard Oil Company, Whiting, Ind., and Chicago, Ill. Medicinal mineral oils. 180,033; July 31.
- Stanley Drug Company. (See Goldlum, Theodore.)
- St. John, Thomas A., doing business as The Blue Lion Patch Co., McDonough, Ga. Puncture patches for pneumatic tires. 181,092; July 31.
- Stowe & Woodward Company, Newton, and Newton Upper Falls, Mass. Rubber-covered rolls for paper mills, tanneries, bleacheries, etc. 178,198; July 31.
- Strasenburgh, R. J., Company, Rochester, N. Y. Saline cathartic. 178,641; July 31.
- Success Pharmaceutical Co. (See Schulze, Louis.)
- Tillman, Octina A., Cape May, N. J. Shampoo preparation, massage cream, preparation for treatment of the hair. 160,643; July 31.
- Times Printing Company of Seattle, Seattle, Wash. Column of news in its newspaper. 175,416; July 31.
- Tin Decorating Company of Baltimore, The, Baltimore, Md. Mechanical and other toys. 179,068; July 31.
- Torsion Test Piston Ring Corporation, Newark, N. J. Piston rings. 179,894; July 31.
- Trenton Milling Co., Trenton, Ill. Wheat flour. 162,148; July 31.
- Tribune Company, The, Chicago, Ill. Heading for a newspaper column. 166,413; July 31.
- Tuxedo Shirt Co. Inc., New York, N. Y. Men's shirts. 174,679; July 31.
- Tyler, Warren I., Roseville, Ohio. Earthenware utensils. 180,088; July 31.
- Union Oil Company of California, Los Angeles, Calif. Transmission oils and greases. 181,547-8; July 31.
- United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio. Black and galvanized steel, rust-resisting and anticorrosive iron, etc. 154,895; July 31.
- United States Foil Company, Louisville, Ky. Ice cream. 164,204; July 31.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber heels. 171,880; July 31.
- Universal Theatres Concession Co., Chicago, Ill. Candy. 179,070; July 31.
- Universal Theatres Concession Co., Chicago, Ill. Candy. 179,072; July 31.
- Upco Manufacturing and Sales Company, The, Cincinnati, Ohio. Spark timers for internal-combustion engines. 179,017; July 31.
- Vilas, Royal C., Fowl River, Ala. Citrous fruits and nuts. 175,227; July 31.
- Vita Food Company, The, Chicago, Ill. Maltless chocolate cereal beverages. 177,529; July 31.
- Vitaminal Products Co. (See Peters, Albert T.)
- Vitamin Milling Company, Los Angeles, Calif. Bread. 175,282; July 31.
- Vitamin Milling Company, Los Angeles, Calif. Wheat flour. 175,283; July 31.
- Voorhees Rubber Mfg. Co., Jersey City, N. J. Rubber hose. 160,731; July 31.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Warnick, Edward A., doing business as Ka-Nix Sales Co., Birmingham, Ala. Tooth paste. 180,336; July 31.
 Wearite Storage Battery Co., Philadelphia, Pa. Storage batteries. 179,976; July 31.
 Wedge Heel & Rubber Co., Inc., Fort Wayne, Ind. Rubber heels. 179,916; July 31.
 West, Mabel, doing business as Westnell Company, Houston, Tex. Liquid mouth wash for use in the treatment of pyorrhea, etc. 180,036; July 31.
 Western Electric Company, Incorporated, New York, N. Y. Title to a monthly publication. 178,941; July 31.
 Western Sausage & Provision Co., Inc., New York, N. Y. Tomato paste. 179,442; July 31.

Wheaco Cereal Corporation, Denver, Colo. Cereal breakfast foods and wheat, pancake, and buckwheat flour. 167,111; July 31.
 White, Almon J., Carrollton, Mo. Tonic compound for treating worms, etc., in hogs and other live stock. 177,459; July 31.
 White Tar Company, The, New York, N. Y. Liquid insecticide. 179,287; July 31.
 Whitely Exerciser Company, New York, N. Y. Punching-bag platforms and apparatus. 179,121; July 31.
 Whitt, Louella, Malvern, Iowa. Disinfectant. 177,059; July 31.
 Zinsmeister, J., & Sons, Incorporated, Louisville, Ky. Coffee. 179,577; July 31.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 3.

Bags, Hat. H. C. Gamble. 171,218; July 31; Serial No. 177,664; published May 15, 1923.
 Hames, hame trimmings and saddlery hardware. U. S. Hame Company. 171,211-12; July 31; Serial Nos. 178,312-13; published May 15, 1923.
 Trunks, Wardrobe. Seward Trunk and Bag Company. 171,214; July 31; Serial No. 178,004; published May 15, 1923.

CLASS 4.

Cleaner, Dry. Davis Chemical Company. 171,203; July 31; Serial No. 152,834; published Apr. 24, 1923.
 Papers, electric abrasive cloth, etc., Aluminum-oxide, etc. H. H. Barton and Son Co. 171,082; July 31; Serial No. 173,461; published Apr. 24, 1923.
 Soap and shaving powder, Toilet. Karlsruher Parfümerie- & Toiletseifen-Fabrik, F. Wolff & Sohn, Gesellschaft mit beschränkter Haftung. 171,096; July 31; Serial No. 173,710; published Apr. 24, 1923.
 Soaps, pastes, powders, etc. Devoto y Cauchaner. 171,072; July 31; Serial No. 171,729; published Apr. 3, 1923.

CLASS 5.

Paste, Dry. Pyramid Process Co. 171,223; July 31; Serial No. 177,200; published May 15, 1923.

CLASS 6.

Insecticide and germicide. Can-Ho-Lab. Chemical Co. 171,091; July 31; Serial No. 173,401; published Apr. 24, 1923.
 Perfume, toilet water, rouges, etc. E. Daltroff & Cie. 171,100; July 31; Serial No. 174,169; published Apr. 24, 1923.
 Preparation for the treatment of piles. L. Wodicska. 171,093; July 31; Serial No. 173,616; published May 8, 1923.

CLASS 7.

Cords, twines, ropes, and lines. Highland Cordage Company. 171,217; July 31; Serial No. 177,668; published May 15, 1923.

CLASS 11.

Paper and typewriter ribbons, Carbon. Buckeye Ribbon & Carbon Co. 171,183; July 31; Serial No. 172,080; published Apr. 24, 1923.
 Paper, typewriter and multigraph ribbon, Carbon. W. J. Johnson. 171,074; July 31; Serial No. 171,221; published Apr. 24, 1923.
 Typewriter ribbons. Blackbird Factories, Inc. 171,195; July 31; Serial No. 146,950; published Apr. 24, 1923.

CLASS 13.

Casters, Sliding. International Supply Company. 171,179; July 31; Serial No. 171,697; published Apr. 24, 1923.
 Chains, Sheet-metal. Smith & Egge Manf'g. Co. 171,090; July 31; Serial No. 173,447; published Apr. 24, 1923.
 Hinges. Way Works, Incorporated. 171,107; July 31; Serial No. 174,549; published Apr. 24, 1923.

CLASS 15.

Compound for loosening tight nuts on bolts and lubricating leaf springs. J. A. Carroll. 171,216; July 31; Serial No. 177,726; published May 15, 1923.
 Oil, Motor. Henry H. Cross Company. 171,117; July 31; Serial No. 175,189; published May 1, 1923.
 Oils and greases, Lubricants comprising. Keystone Lubricating Company. 171,209; July 31; Serial No. 178,511; published May 15, 1923.
 Oils and greases, Lubricants comprising Keystone Lubricating Company. 171,210; July 31; Serial No. 178,509; published May 15, 1923.
 Oils, Lubricating. C. R. Gillett. 171,264; July 31; Serial No. 169,293; published May 15, 1923.

CLASS 16.

Auto products. Auto Products Mfg. Co. Inc. 171,035; July 31; Serial No. 158,744; published May 8, 1923.
 Paint, varnish, and paint enamel, Ready-mixed. Republic Varnish Company. 171,266; July 31; Serial No. 177,107; published May 15, 1923.
 Paint. A. C. Horn Company. 171,165; July 31; Serial No. 176,738; published May 1, 1923.
 Polishes for automobiles and furniture. L. E. Beounger. 171,166; July 31; Serial 176,781; published Apr. 24, 1923.
 Polishes, Furniture and automobile. P. S. Bern. 171,092; July 31; Serial No. 174,505; published May 15, 1923.
 Pyroxylin thinner. Flood & Conklin Company. 171,213; July 31; Serial No. 178,174; published May 15, 1923.
 Varnishes. Edward Smith & Company. 171,219; July 31; Serial No. 177,629; published May 1, 1923.
 White, Paris. Taintor Company. 171,158; July 31; Serial No. 176,314; published May 1, 1923.

CLASS 17.

Cigarettes. E. Funke. 170,999-1,000; July 31; Serial Nos. 177,553-4; published May 8, 1923.
 Cigarettes. Western Tobacco Company. 171,156; July 31; Serial No. 176,236; published Apr. 24, 1923.
 Cigarettes, cigars, smoking and chewing tobacco, etc. V. Jones. 171,062; July 31; Serial No. 167,245; published May 8, 1923.
 Cigars. Otto Eisenlohr & Bros. Incorporated. 171,220; July 31; Serial No. 177,477; published Apr. 24, 1923.
 Cigars. M. Stern. 171,079; July 31; Serial No. 169,516; published May 8, 1923.
 Cigars, cheroots, and little cigars. Leopold Powell & Co. 171,038; July 31; Serial No. 149,480; published May 15, 1923.

CLASS 19.

Sleds. Safety Sled Company. 171,150; July 31; Serial No. 175,949; published Apr. 24, 1923.

CLASS 20.

Oilcloth. T. R. Goodlatte & Sons (Inc.). 171,118; July 31; Serial No. 175,193; published Apr. 24, 1923.

CLASS 21.

Bare and insulated wire, cable, and cordage for electrical purposes. American Copper Products Corporation. 171,030; July 31; Serial No. 160,685; published Apr. 24, 1923.
 Conduits for electrical purposes, Fiber. Brown Company. 171,053; July 31; Serial No. 175,709; published Apr. 24, 1923.
 Electric lights for automobiles, etc., and parts thereof. Radio-Lite, Inc. 171,070; July 31; Serial No. 172,394; published Apr. 24, 1923.
 Electric stoves, heaters, sadirons, etc. A. J. Lindemann & Hoverson Company. 171,019; July 31; Serial No. 167,575; published Apr. 24, 1923.
 Electrical control apparatus. Dalton, Whittier True Company. 171,084; July 31; Serial No. 174,201; published Apr. 24, 1923.
 Engines, Ignition-timing devices for internal-combustion. Ecometer Manufacturing Company. 171,037; July 31; Serial No. 151,151; published Apr. 24, 1923.
 Hammers, Electric. National Electric Manufacturing Company. 171,055; July 31; Serial No. 175,881; published Apr. 24, 1923.
 Headlights and flood lights, Electric. Berkeley Light Corporation. 171,040; July 31; Serial No. 137,513; published Apr. 24, 1923.
 Insulation purposes, Treated and untreated tapes for electrical. Mica Insulator Company. 171,086; July 31; Serial No. 173,844; published Apr. 24, 1923.
 Jacks for radio telephone and telegraph and similar purposes. Pacent Electric Company. 171,274; July 31.

Knife switches, panel boards, switchboards, and fuse reducers. Plainville Electrical Products Company. 171,073; July 31; Serial No. 171,432; published Apr. 24, 1923.

Lightning arresters. Westinghouse Electric & Manufacturing Company. 171,006; July 31; Serial No. 176,864; published Apr. 24, 1923.

Motors, generators, and transformers, Electric. Charlotte Electric Repair Co. 171,119; July 31; Serial No. 175,300; published Apr. 24, 1923.

Radio receiving outfits. D. Grimes. 171,042; July 31; Serial No. 174,657; published Apr. 24, 1923.

Radio receiving sets. Marinette Electric Corporation. 171,008; July 31; Serial No. 176,634; published Apr. 24, 1923.

Radio receiving sets. Radio Corporation of America. 171,044; July 31; Serial No. 174,859; published Apr. 24, 1923.

Radio telephone and telegraph and similar purposes, Connector plugs for. Pacent Electric Company. 171,275; July 31.

Radio telephone and telegraphic instruments and parts thereof. Union Radio Corporation. 171,068; July 31; Serial No. 162,091; published Apr. 24, 1923.

Sadrons, Electric. Jordan Marsh Company. 171,085; July 31; Serial No. 173,890; published Apr. 24, 1923.

CLASS 22.

Balls and footballs, Golf. Martins Birmingham Limited. 171,097; July 31; Serial No. 173,972; published May 1, 1923.

Cards, Playing. Russell Playing Card Co. 171,225; July 31; Serial No. 177,109; published Apr. 24, 1923.

Dolls. George Borgfeldt & Co. 171,046; July 31; Serial No. 175,338; published May 15, 1923.

Dolls. L. B. Kelley. 171,122; July 31; Serial No. 175,660; published Apr. 24, 1923.

Dolls. F. O. King. 171,222; July 31; Serial No. 177,228; published Apr. 24, 1923.

Dolls and toy favors. S. Robert. 171,080; July 31; Serial No. 173,247; published May 15, 1923.

Fishing dyes and artificial bait. Horrocks-Ibbotson Co. 171,083; July 31; Serial No. 173,601; published May 15, 1923.

Fishing lines. Newton Line Company. 171,094; July 31; Serial No. 173,663; published May 1, 1923.

Fishing lines. Newton Line Company. 171,095; July 31; Serial No. 173,668; published May 1, 1923.

Fishing lines. Newton Line Company Incorporated. 171,112; July 31; Serial No. 174,747; July 31; published May 1, 1923.

Fishlines. Bervin-Wilcox Line Company. 171,121; July 31; Serial No. 175,595; published Apr. 24, 1923.

Gaming devices. J. H. Ewing. 171,103; July 31; Serial No. 174,360; published May 1, 1923.

Golf bags. Winchester Company. 171,152; July 31; Serial No. 176,055; published Apr. 24, 1923.

Golf clubs. Braw Laddie Golf Company. 171,153; July 31; Serial No. 176,062; published Apr. 24, 1923.

Golf-stroke practice and exercising device. A. W. Miller. 171,163; July 31; Serial No. 176,637; published Apr. 24, 1923.

Racks used in connection with the game of Mah Juck. J. T. Gaffey. 171,043; July 31; Serial No. 174,770; published May 15, 1923.

Rattles, Hand. I. J. Halpern. 171,114; July 31; Serial No. 174,961; published May 1, 1923.

Skates, Ice. American Sport Shop, Inc. 171,120; July 31; Serial No. 175,453; published Apr. 24, 1923.

Tennis tape reels, baseballs, baseball gloves and mits, bats, etc. Charles M. Ghriskey's Sons. 171,174; July 31; Serial No. 171,156; published May 1, 1923.

Topps, Spinning. Sipp Novelty Co. Inc. 171,116; July 31; Serial No. 175,929; published May 1, 1923.

Toy animals. Asiatic Import Co. 171,228; July 31; Serial No. 177,030; published Apr. 24, 1923.

Toy coasters. H. E. M. Mfg. Co. 171,151; July 31; Serial No. 176,023; published Apr. 24, 1923.

Toy vehicles, Self-propelled. C. E. Bowers. 171,227; July 31; Serial No. 177,067; published Apr. 24, 1923.

Toys, etc. Stuffed figure. Ted Morton & Co. Inc. 171,007; July 31; Serial No. 176,639; published May 15, 1923.

Toys, Figure. W. Fuld. 171,003; July 31; Serial No. 176,961; published May 15, 1923.

Toys, Wheeled. J. T. Casey. 171,232; July 31; Serial No. 170,968; published May 1, 1923.

CLASS 23.

Hammers. Stanley Works, The. 171,249; July 31; Serial No. 167,491; published Feb. 27, 1923.

Vehicles, Gear shifts and parts thereof for motor. J. R. Flannery. 171,108; July 31; Serial No. 174,566; published Apr. 24, 1923.

CLASS 24.

Clothes-supporting racks. F. W. Hennessy. 171,069; July 31; Serial No. 172,836; published Apr. 24, 1923.

Mangles. Sperlich and Uhlig Company. 171,075; July 31; Serial No. 170,222; published Apr. 24, 1923.

Washing machines and wringers, Laundry. Marshall Wells Company. 171,087; July 31; Serial No. 174,211; published Apr. 24, 1923.

Washing machines, Clothes. American Range & Foundry Company. 171,081; July 31; Serial No. 173,552; published Apr. 24, 1923.

CLASS 27.

Watches, watch movements, and parts thereof. Hipp. Didisheim Company. 171,061; July 31; Serial No. 174,621; published Apr. 24, 1923.

CLASS 28.

Cigarette, cigar, match, spectacle, eyeglass and vanity cases. Wightman & Hough Company. 171,278; July 31.

Pearls, Artificial. M. A. Zolla. 171,142; July 31; Serial No. 160,378; published Apr. 24, 1923.

CLASS 29.

Brooms. M. G. Goeller's Sons. 171,054; July 31; Serial No. 175,861; published May 15, 1923.

Brushes for painting, varnishing, etc. John L. Whiting-J. J. Adams Company. 171,060; July 31; Serial No. 175,585; published May 15, 1923.

Powder puffs. Western Bottle Manufacturing Company. 171,056; July 31; Serial No. 176,140; published May 15, 1923.

Powder puffs, toothbrushes, hairbrushes, hand and clothes brushes. Western Bottle Manufacturing Company. 171,057; July 31; Serial No. 176,145; published May 15, 1923.

CLASS 30.

China ware. Mayer China Company. 171,115; July 31; Serial No. 175,017; published May 8, 1923.

CLASS 31.

Refrigerating apparatus. Automatic Refrigerating Company. 170,998; July 31; Serial No. 177,644; published May 15, 1923.

Refrigerators, Domestic. Prescott & Company. 171,224; July 31; Serial No. 177,199; published May 8, 1923.

CLASS 36.

Phonograph needles. Wall-Kane Needle Mfg. Co. 171,271; July 31.

Phonographs, talking and musical machines, phonograph needles. Polyphonwerke Aktiengesellschaft. 171,039; July 31; Serial No. 145,583; published Apr. 24, 1923.

Talking machines and phonographs. Sonora, Inc. 171,276; July 31.

CLASS 37.

Apple wrappers. F. C. Strype. 171,005; July 31; Serial No. 176,924; published May 15, 1923.

Crayons and pencils. American Crayon Company. 171,221; July 31; Serial No. 177,347; published May 8, 1923.

Envelopes. Kovacs and Meszaros. 171,146; July 31; Serial No. 162,179; published May 1, 1923.

Paper and envelopes. Berlin & Jones Company. 171,167; July 31; Serial No. 176,783; published May 8, 1923.

Paper and mailing envelopes, Writing and printing. American Writing Paper Company. 171,051; July 31; Serial No. 175,540; published May 15, 1923.

Paper, Bond. Peerless Paper Company. 171,178; July 31; Serial No. 171,653; published May 8, 1923.

Paper, Bond writing and printing. Collins Mfg. Co. 171,017; July 31; Serial No. 168,836; published May 15, 1923.

Paper, Book, bond, and writing. Chillicothe Paper Company. 171,169; July 31; Serial No. 174,610; published Apr. 24, 1923.

Paper, Crêpe. Tissue Company. 171,002; July 31; Serial No. 177,150; published May 15, 1923.

Paper holder, Memorandum. Bliss Company. 171,159; July 31; Serial No. 176,321; published May 1, 1923.

Paper, Wall. Robert Griffin Company, The. 171,143; July 31; Serial No. 161,250; published May 1, 1923.

Paper, Wrapping. Alling & Cory Co. 171,001; July 31; Serial No. 177,158; published Apr. 24, 1923.

Paper, Writing and bond. Becker Paper Corporation. 170,997; July 31; Serial No. 178,209; published May 15, 1923.

Papeteries, writing and typewriting tablets, writing paper, and mailing envelopes. White & Wyckoff Manufacturing Company. 171,149; July 31; Serial No. 175,750; published May 1, 1923.

Pencils, Lead. Blaisdell Pencil Company. 171,004; July 31; Serial No. 176,943; published Apr. 24, 1923.

Pens. C. Howard Hunt Pen Company. 171,154; July 31; Serial No. 176,128; published May 1, 1923.

Pens and pencils, Fountain. M. & H. Silver, Incorporated. 171,045; July 31; Serial No. 174,928; published May 15, 1923.

Tags. Dennison Manufacturing Co. 171,160; July 31; Serial No. 176,330; published May 1, 1923.

CLASS 38.

Publications and negotiable papers. North-Western Trust & Savings Bank. 171,036; July 31; Serial No. 151,922; published Apr. 10, 1923.

CLASS 39.

Bags, baseball, bathing, and college caps, men's and ladies' sport clothes, Bat. P. Goldsmith's Sons. 171,192; July 31; Serial No. 139,353; published May 8, 1923.

Caps for men, boys, and children. National Cap Mfg. Company. 171,133; July 31; Serial No. 159,522; published May 1, 1923.

Collars, neckties, suspenders, etc. Babcock & Shannon Co. 171,269; July 31; Serial No. 168,869; published May 8, 1923.

Dresses, coats, and blouses, Ladies'. R. Kirshbaum & Son, Inc. 171,245; July 31; Serial No. 169,957; published May 8, 1923.

Dresses, Ladies'. L. Bernstein. 171,267; July 31; Serial No. 169,235; published May 8, 1923.

Dresses, Ladies' and misses'. Jos. A. Morris & Co. 171,239; July 31; Serial No. 170,399; published May 8, 1923.

Dresses, Young ladies'. J. Philip Rosenbloom Co. 171,258; July 31; Serial No. 169,457; published May 1, 1923.

Fur coats, capes, etc. Feldbaum & Spiegel, Inc. 171,260; July 31; Serial No. 169,439; published May 8, 1923.

Hats. Mallory Hat Company. 171,207; July 31; Serial No. 156,653; published May 8, 1923.

Hats for men and boys. Bunnie Hat Co. Inc. 171,134; July 31; Serial No. 159,552; published May 8, 1923.

Hosiery. S. A. Goldberg. 171,241; July 31; Serial No. 170,375; published May 8, 1923.

Hosiery. Greenebaum, Weil & Michels. 171,256; July 31; Serial No. 169,590; published May 8, 1923.

Hosiery. Toewear Hosiery Incorporated. 171,199; July 31; Serial No. 148,774; published May 8, 1923.

Hosiery and knitted underwear. Realsilk Fabrics Corporation. 171,243; July 31; Serial No. 170,308; published May 8, 1923.

Knit underwear, Ladies'. California Underwear and Hosiery Mills. 171,255; July 31; Serial No. 169,619; published May 1, 1923.

Knitted caps. Bamberger Reinthal Co. 171,201; July 31; Serial No. 151,864; published May 8, 1923.

Knitted outer garments. Halpern & Kab, Inc. 171,244; July 31; Serial No. 170,186; published May 1, 1923.

Nightgowns. L. H. Clark Mfg. Co. 171,251; July 31; Serial No. 169,891; published May 1, 1923.

Overalls. Kaynee Company. 171,191; July 31; Serial No. 126,222; published May 1, 1923.

Pants, jackets, overalls, etc. Babcock & Shannon Co. 171,268; July 31; Serial No. 168,870; published May 8, 1923.

Rompers and play garments, Children's. Kaynee Company. 171,190; July 31; Serial No. 126,221; published May 1, 1923.

Shirts. Kingly Shirt Co. 171,262; July 31; Serial No. 169,363; published May 8, 1923.

Shirts. S & S Shirt Company. 171,196; July 31; Serial No. 147,217; published May 1, 1923.

Shirts, Men's and boys' dress. Lancaster Shirt Co. Inc. 171,254; July 31; Serial No. 169,717; published May 8, 1923.

Shirts, Neckbands for men's. C. W. Lifschitz. 171,131; July 31; Serial No. 159,400; published May 8, 1923.

Shirts, pyjamas, and underwear, Men's dress and negligee. Wilson Brothers. 171,242; July 31; Serial No. 170,320; published May 8, 1923.

Suits and coats, Ladies' sport. Parker-Bridget Company. 171,138; July 31; Serial No. 159,720; published May 1, 1923.

Suits and overcoats, Men's and boys'. The Fair. 171,202; July 31; Serial No. 152,124; published May 1, 1923.

Suits and topcoats, Men's and young men's. Mintz & Friedman. 171,259; July 31; Serial No. 169,455; published May 1, 1923.

Suits, Boys' sailor. Alexander Linsk & Company. 171,130; July 31; Serial No. 159,157; published May 8, 1923.

Suits, coats, dresses, furs, etc., Ladies' and misses'. Cincinnati Cloak & Suit Company. 171,246; July 31; Serial No. 169,948; published May 8, 1923.

Underwear, Ladies' silk. Vanity Fair Silk Mills. 171,198; July 31; Serial No. 147,649; published May 8, 1923.

CLASS 41.

Umbrellas. Kortenbach & Rauh. 171,066; July 31; Serial No. 162,557; published May 8, 1923.

Umbrellas. Kortenbach & Rauh. 171,148; July 31; Serial No. 162,556; published May 1, 1923.

CLASS 42.

Cotton piece goods. Great Falls Manufacturing Company. 171,189; July 31; Serial No. 157,367; published Apr. 3, 1923.

Hair nets. Fulghum & Company. 171,162; July 31; Serial No. 176,613; published May 1, 1923.

Hair nets. A. A. Jullin. 171,132; July 31; Serial No. 159,509; published May 1, 1923.

Sheetings and drills, Unbleached. R. A. Suffern. 171,208; July 31; Serial No. 157,109; published Apr. 17, 1923.

Wool, silk, cotton, and mixtures of same piece goods. William Hollins & Company. 171,272; July 31.

CLASS 44.

Cotton, gauze, and waste, bandage rolls, etc., Absorbent. Hygienic Fibre Company. 171,215; July 31; Serial No. 177,784; published May 15, 1923.

CLASS 45.

Beverage, Grape. Nu Grape Company of America. 171,157; July 31; Serial No. 176,276; published May 1, 1923.

Beverage sold as a soft drink. M. L. Eisenberg. 171,047; July 31; Serial No. 175,349; published May 15, 1923.

Beverage sold as a soft drink. W. H. Gunckel. 171,137; July 15; Serial No. 159,700; published May 1, 1923.

Beverages sold as soft drinks and sirups, etc., for making same. W. D. Bost. 171,058; July 31; Serial No. 176,444; published May 15, 1923.

Beverages sold as soft drinks and sirups for making same. W. E. Tanner. 171,088; July 31; Serial No. 174,495; published May 15, 1923.

Beverages sold as soft drinks and sirups for preparing same. Garrett and Co. 171,098; July 31; Serial No. 174,077; published May 1, 1923.

Drink, Nonalcoholic, maltless orange. Comet's California Orange Drink Co. 171,059; July 31; Serial No. 176,452; published May 15, 1923.

Drink, Soft. R. G. Stoehr. 171,106; July 31; Serial No. 174,491; published May 1, 1923.

Drinks, Nonalcoholic, maltless soft. J. F. Lazier Mfg. Co. 171,050; July 31; Serial No. 175,430; published May 8, 1923.

Fruit juices, Nonalcoholic, maltless concentrated. California Citrus Fruit Juice Company. 171,155; July 31; Serial No. 176,163; published May 1, 1923.

Ginger ale. M. L. Eisenberg. 171,048; July 31; Serial No. 175,350; published May 15, 1923.

Sirups for manufacture of nonalcoholic maltless beverages, etc., Concentrated. V. Jones. 171,018; July 31; Serial No. 167,247; published May 8, 1923.

Soft drinks, Maltless. M. L. Eisenberg. 171,049; July 31; Serial No. 175,351; published May 15, 1923.

CLASS 46.

Alimentary paste products. Tharinger Macaroni Company. 171,229; July 31; Serial No. 171,186; published May 15, 1923.

Apples, Fresh. Alaga & Forenstein Co. 171,104; July 31; Serial No. 174,422; published May 8, 1923.

Apples, Fresh. W. A. Golinger. 171,071; July 31; Serial No. 171,896; published May 8, 1923.

Bread. James Butler Inc. 171,067; July 31; Serial No. 162,240; published Mar. 27, 1923.

Bread. Ward Baking Company. 171,015; July 31; Serial No. 169,386; published Apr. 3, 1923.

Bread. Ward Baking Company. 171,016; July 31; Serial No. 169,387; published Mar. 27, 1923.

Bread. Ward Baking Company. 171,028; July 31; Serial No. 168,699; published Apr. 3, 1923.

Bread and crackers. Potter-Wrightington, Inc. 171,064; July 31; Serial No. 164,186; published Mar. 27, 1923.

Butter. Sunshine Stores, Inc. 171,027; July 31; Serial No. 168,498; published Mar. 20, 1923.

Cake. Diamond Cake Company. 170,141; July 31; Serial No. 160,239; published Mar. 27, 1923.

Candies. J. N. Collins Company. 171,250; July 31; Serial No. 160,488; published Dec. 12, 1922.

Candies. Mary M. Hardy & Florence-H. Baird. 171,111; July 31; Serial No. 174,737; published May 8, 1923.

Candies. King Candy Co. 171,257; July 31; Serial No. 169,551; published May 1, 1923.

Candies, Chocolate. Parnibeck Chocolate Co. 171,125; July 31; Serial No. 175,515; published May 15, 1923.

Candy. Cactus Crystal Company. 171,173; July 31; Serial Nos. 171,449-50; published Mar. 27, 1923.

Candy. Chocolate Products Company. 171,180; July 31; Serial No. 171,686; published May 1, 1923.

Candy. George Close Co. 171,237; July 31; Serial No. 170,564; published May 8, 1923.

Candy. George Close Co. 171,238; July 31; Serial No. 170,562; published May 1, 1923.

Candy. E. Dean. 171,261; July 31; Serial No. 169,435; published May 15, 1923.

Candy. Walter J. Hirsch Company. 171,147; July 31; Serial No. 162,547; published May 15, 1923.

Candy. Robert A. Johnston Company. 171,128; July 31; Serial No. 175,659; published May 15, 1923.

Candy. A. G. Morse Co. Inc. 171,123; July 31; Serial No. 175,674; published May 15, 1923.

Candy. Ohio Confection Company. 171,168; July 31; Serial No. 175,883; published May 15, 1923.

Candy. Wilton-Plantz Candy Company. 171,204; July 31; Serial No. 154,540; published May 1, 1923.

Candy and confections. E. McKnight. 171,188; July 31; Serial No. 171,761; published May 1, 1923.

Candy bar. Miller-McMillen Co. 171,181; July 31; Serial No. 172,235; published May 8, 1923.

Canned and bottled fruits, jams, jellies, and olives. Virden Packing Company. 171,126; July 31; Serial No. 175,581; published May 15, 1923.

Canned and dried fruits and vegetables, canned fish, salted fish, canned meats, etc. Steele-Weddes Company. 171,139; July 31; Serial No. 159,889; published Mar. 20, 1923.

Canned apricots, grapes, plums, peaches, pineapple, cherries, pears, corn, peas, and asparagus. Francis H. Leggett & Company. 171,247; July 31; Serial No. 171,275; published May 8, 1923.

- Canned beans and tomatoes, etc., chili sauce and catchup put up in containers. American Cone and Pretzel Company. 171,171; July 31; Serial No. 171,398; published May 1, 1923.
- Canned evaporated milk. C. A. Baumann. 171,206; July 31; Serial No. 155,662; published May 8, 1923.
- Canned fruits and vegetables. F. M. Ball & Company. 171,101; July 31; Serial No. 174,229; published May 15, 1923.
- Canned fruits and vegetables. Haas Brothers. 171,110; July 31; Serial No. 174,694; published May 8, 1923.
- Canned fruits and vegetables. McHenry Cannery. 171,187; July 31; Serial No. 171,937; published May 1, 1923.
- Canned fruits and vegetables. H. M. Newhall & Co. 171,253; July 31; Serial No. 169,772; published May 1, 1923.
- Canned fruits and vegetables, jams, preserves, dried fruits, etc. California Growers Association, Inc. 171,252; July 31; Serial No. 169,844; published May 15, 1923.
- Canned fruits, fruit salad, and vegetables, and dried fruit. F. G. Wool Packing Company. 171,184; July 31; Serial No. 172,071; published May 1, 1923.
- Canned peaches, canned Lima beans, beans, tomatoes, and sweet potatoes. American Cone and Pretzel Company. 171,172; July 31; Serial No. 171,400; published May 8, 1923.
- Canned peaches, tomatoes, and sweet potatoes. American Cone and Pretzel Company. 171,170; July 31; Serial No. 171,397; published May 1, 1923.
- Canned pineapple. Haiku Fruit & Packing Co. 171,266; July 31; Serial No. 169,243; published May 8, 1923.
- Canned pineapple. Hawaiian Pineapple Company. 171,197; July 31; Serial No. 147,426; published May 8, 1923.
- Canned plum pudding. A. Silz, Inc. 171,231; July 31; Serial No. 171,141; published May 22, 1923.
- Canned salmon. H. Conniff. 171,236; July 31; Serial No. 170,566; published May 1, 1923.
- Canned salmon. M. Pinkus. 171,124; July 31; Serial No. 175,735; published May 15, 1923.
- Cheese. Crawford Farms, Incorporated. 171,023; July 31; Serial No. 168,025; published Apr. 3, 1923.
- Cheese. Crawford Farms, Incorporated. 171,024; July 31; Serial No. 168,026; published Mar. 27, 1923.
- Cheese. T. L. Knapstein. 171,076; July 31; Serial No. 170,071; published Mar. 27, 1923.
- Cheese, Cream. A. Britton. 171,025; July 31; Serial No. 168,097; published Apr. 3, 1923.
- Cheese, mustard, farina, tea, coffee, chocolate, etc. I. Geltman. 171,078; July 31; Serial No. 169,751; published Apr. 3, 1923.
- Chocolate cubes. Borden Company. 171,273; July 31.
- Chocolate mixture. Hershey Chocolate Company. 171,063; July 31; Serial No. 166,453; published Feb. 20, 1923.
- Chocolates and candies. E. Greenfield's Sons. 171,240; July 31; Serial No. 170,385; published May 15, 1923.
- Coffee. Laird Manufacturing Co., Inc. 171,177; July 31; Serial No. 171,581; published May 8, 1923.
- Coffee and tea. Eagle Tea & Coffee Company. 171,164; July 31; Serial No. 175,672; published May 22, 1923.
- Coffee and tea. Ropha Bros. 171,233; July 31; Serial No. 170,531; published May 15, 1923.
- Coffee, canned fruits, vegetables, and fish, table molasses. Potter-McCune Company. 171,020; July 31; Serial No. 167,687; published Apr. 3, 1923.
- Coffee, flavoring extracts, milk, tea, canned goods. Riker, Galindo & Company. 171,277; July 31.
- Confections comprising chocolates, bonbons, etc. Roach Tisdale & Co. 171,089; July 31; Serial No. 173,534; published Apr. 24, 1923.
- Crab meat. Taiyo Trading Company. 171,248; July 31; Serial No. 171,236; published May 15, 1923.
- Dates, salted nuts, and preserved figs. Royal Seal Food Products Co. 171,234; July 31; Serial No. 170,789; published May 8, 1923.
- Doughnut mixture. Prepared. W & L Baking Company. 171,022; July 31; Serial No. 167,960; published Mar. 20, 1923.
- Eggs. C. W. Jean Company. 171,041; July 31; Serial No. 112,202; published May 8, 1923.
- Feed, Dairy and cattle. Larowe Milling Company. 171,032; July 31; Serial No. 159,587; published Apr. 3, 1923.
- Feed, Dairy and cattle. Larowe Milling Company. 171,135-6; July 31; Serial Nos. 159,588-9; published Apr. 3, 1923.
- Feed for animals. Prepared. Arcady Farms Milling Company. 171,029; July 31; Serial No. 160,847; published Mar. 27, 1923.
- Feed for horses, cattle, hogs, and chickens. Mountain City Mill Company. 171,031; July 31; Serial No. 160,419; published Mar. 27, 1923.
- Feed, Stock. J. Allen Smith & Company. 171,011; July 31; Serial No. 169,089; published Mar. 27, 1923.
- Feed, Stock. Whyte Commission Company. 171,012; July 31; Serial No. 169,108; published Mar. 27, 1923.
- Feed, Stock, dairy, and poultry. Whyte Commission Company. 171,013; July 31; Serial No. 169,109; published Mar. 20, 1923.
- Flavoring extracts, Food. Julius Marcus Company. 171,263; July 31; Serial No. 169,313; published May 1, 1923.
- Flour, Prepared. Ballard & Ballard Company. 171,034; July 31; Serial No. 159,081; published Mar. 27, 1923.
- Flour, Wheat. Graham Mill & Elevator Co. 171,033; July 31; Serial No. 159,311; published Mar. 27, 1923.
- Flour, Wheat. Noblesville Milling Co. 171,021; July 31; Serial No. 167,885; published Mar. 20, 1923.
- Flour, Wheat. Randolph Milling Company. 171,026; July 31; Serial No. 168,170; published Apr. 3, 1923.
- Flour, Wheat. B. L. Robertson. 171,074; July 31; Serial No. 169,323; published Apr. 3, 1923.
- Food articles. Never Enough Pie Company. 171,077; July 31; Serial No. 169,769; published Apr. 3, 1923.
- Food, Breakfast cereal. Albers Bros. Milling Co. 171,265; July 31; Serial No. 169,270; published Apr. 3, 1923.
- Food preparation. Certified Foods, Inc. 171,065; July 31; Serial No. 163,918; published Apr. 3, 1923.
- Food preparation. Coleman and Company, Limited. 171,193; July 31; Serial No. 140,919; published May 8, 1923.
- Fruit preserves, jams, jelly, apple butter, sweet and sour pickles, sour relish, etc. G. H. Wetterau & Sons Grocer Company. 171,235; July 31; Serial No. 170,736; published May 8, 1923.
- Fruits, fresh vegetables, canned fruits and vegetables, and fruit jam. Fresh deciduous and citrous. Pleasant Grove Canning Co. 171,186; July 31; Serial No. 171,952; published May 1, 1923.
- Ice cream, Compound of vegetable gums and sugars for use as an ingredient of. Liquid Carbonic Company. 171,161; July 31; Serial No. 176,485; published May 22, 1923.
- Ice-cream confections. Square Dipper Specialty Company. 171,175; July 31; Serial No. 171,474; published Mar. 27, 1923.
- Ice cream inclosed in pastry. G. H. Garnet. 171,144; July 31; Serial No. 161,251; published Apr. 17, 1923.
- Lard substitute. Vegetable. Cooknut Corporation. 171,127; July 31; Serial No. 175,651; published May 15, 1923.
- Macaroni, spaghetti, macaroni shells, vermicelli, etc. Kansas City Macaroni & Importing Co. 171,169; July 31; Serial No. 171,325; published May 1, 1923.
- Milk powder. Whole. Merrell-Soule Company. 171,105; July 31; Serial No. 174,474; published May 8, 1923.
- Oil, Cottonseed. Cooknut Corporation. 171,052; July 31; Serial No. 175,652; published May 15, 1923.
- Oil, Edible corn. Corn Products Refining Co. 171,176; July 31; Serial No. 171,487; published May 1, 1923.
- Oils, Olive and salad. Strohmeyer & Arpe Company. 171,200; July 31; Serial No. 151,237; published May 1, 1923.
- Oranges, grapefruit, and citrous fruit. J. M. Knight. 171,270; July 31; Serial No. 168,848; published May 1, 1923.
- Pickles and condiments. Price-Booker Manufacturing Company. 171,099; July 31; Serial No. 174,100; published May 8, 1923.
- Poultry, Dressed. Seymour Packing Company. 171,113; July 31; Serial No. 174,925; published May 8, 1923.
- Powder to be used in the preparation of salad dressing. G. M. Field. 171,230; July 31; Serial No. 171,158; published May 8, 1923.
- Prunes. J. A. Wayborn. 171,205; July 31; Serial No. 154,631; published May 15, 1923.
- Raisins. Hershey Chocolate Company of New York. 171,129; July 31; Serial No. 158,774; published Apr. 17, 1923.
- Relishes, Vegetable. G. J. Easton. 171,182; July 31; Serial No. 172,149; published May 8, 1923.
- Rolls, Edible. Tristate Baking Co. 171,010; July 31; Serial No. 169,103; published Apr. 3, 1923.
- Salad dressing. C. Weisbecker. 171,102; July 31; Serial No. 174,349; published May 8, 1923.
- Shorts, Gray. Midland Flour Milling Co. 171,009; July 31; Serial No. 169,029; published Mar. 20, 1923.
- Spices. American Tea & Coffee Co. 171,194; July 31; Serial No. 141,447; published May 15, 1923.
- Sugar. Tate & Lyle Limited. 171,145; July 31; Serial No. 161,707; published May 15, 1923.
- Tea. C & T Importing Company. 171,185; July 31; Serial No. 171,984; published May 15, 1923.

CLASS 48.

Sirup used in making beverages. Dextrinuous American Burtonizing Company and Wallerstein Laboratories. 171,140; July 31; Serial No. 160,178; published May 1, 1923.

ALPHABETICAL LIST OF LABELS.

A. F. C. Laces. For Lace Cards. American Fabrics Company. 26,264; July 31.
 Baby Comfort Kit. For a Container Holding Articles for the Care of Babies. Miller Rubber Company. 26,277; July 31.
 Blatz Bohemian Malt Syrup. For Malt Sirups. Val. Blatz Brewing Company. 26,282; July 31.
 Blue Dot. For Hops. L. M. Hirschler. 26,272; July 31.
 Buck Shot Load. For Loaded Shot Shells. Remington Arms Company. 26,280; July 31.
 Cooney's Ink Paste. For Concentrated Ink. F. B. Cooney. 26,267; July 31.
 Dependable. For Coffee. Dwight Edwards Company. 26,268; July 31.
 Eggs. For Poultry Products. Long Island Poultry Association. 26,273; July 31.
 Golden Cal. For Canned Asparagus. Mailliard & Schmiedell. 26,275; July 31.

Golden Cal. For Canned Grapefruit. Mailliard & Schmiedell. 26,274; July 31.
 Golden Horn. For Roasted Coffee. Ennis-Hanly-Blackburn Coffee Co. 26,269; July 31.
 Graham Bread. For Bread. Hamersley Manufacturing Company. 26,271; July 31.
 It's A Candy Dandy Bird. For a Toy with a Whistle. Musical Toy Production Company. 26,278; July 31.
 "Rhopac" Flexible Metallic Packing. For Packing. Chicago Metallic Packing Co. 26,266; July 31.
 Seaware. For Paint. J. W. Merriman. 26,276; July 31.
 Sigaro Vesuvio. For Boxes and Cans Containing Cigars. Parodi Cigar Co. 26,279; July 31.
 The Shingle Beautiful. For Shingles. T. A. Bruett Lumber, Inc. 26,265; July 31.
 Wanda Hair Net. For Hair Nets. N. Seligman. 26,281; July 31.
 Whole Wheat Bread. For Bread. Hamersley Manufacturing Company. 26,270; July 31.

ALPHABETICAL LIST OF PRINTS.

Above them all! For Cuff Buttons. J. F. Sturdy's Sons Company. 6,844; July 31.
 Columbia New Process Records. For Graphophone Records. Columbia Graphophone Company. 6,837; July 31.
 Hitone Kut. For Fancy-Cut Spectacle and Eyeglass Lenses. W. B. Georgia. 6,840; July 31.
 Hour Saving Appliances. For Domestic-Labor-Saving Devices, and Particularly Vacuum Cleaners, Washers, Ironers, and Wringers. Apex Electrical Manufacturing Company. 6,836; July 31.
 Kept Sweet and Clean with Gold Dust. For Gold Dust Washing Powder. N. K. Fairbank Company. 6,838; July 31.

Most Serious Dental Troubles Start at The Danger Line. For Squibb's Magnesia Dental Cream. E. R. Squibb & Sons. 6,842; July 31.
 Steamer The new heat Indicator. For Temperature-Indicating Devices. Steamer Co. 6,843; July 31.
 That you may know. For Drugs. E. R. Squibb & Sons. 6,841; July 31.
 Thommen's Inc. Originators of the Japanese Cake. For Cake. Thommen's Inc. 6,845; July 31.
 Williams' Doublecap Shaving Stick. For Shaving-Soap Sticks. J. B. Williams Company. 6,846; July 31.
 Your men folks prefer Fairy Soap. For Fairy Soap. N. K. Fairbank Company. 6,839; July 31.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 4.

Polish, Stove. Gabel Bros. 150,895; July 31.
 Soap. Georg Schicht A. G. 171,139; July 31.
 Soap. Georg Schicht A. G. 171,147; July 31.
 Soap, Laundry. Concentrated Products Corporation. 180,527; July 31.

CLASS 5.

Glue. E. F. Russ Company. 181,700; July 31.
 Paste, Patching. Campbell Manufacturing Co. 181,631; July 31.

CLASS 6.

Disinfectant. L. Whitt. 177,059; July 31.
 Engines, Carbon remover for gasoline. W. H. Koetter. 180,126; July 31.
 Extract anterior lobe pituitary gland. Parke, Davis & Company. 179,20; July 31.
 Insecticide, Liquid. White Tar Company. 179,287; July 31.
 Laxatives. S. Kaidasz. 180,224; July 31.
 Liquid for cleansing and beautifying the skin and improving the complexion. Jouvence Company. 179,045; July 31.
 Medicated wax for treatment of pyorrhea. Drs. Brown and Brown. 177,269; July 31.
 Medicine for general debility, nervous prostration, etc. T. Goldblum. 177,736; July 31.
 Mouth wash, Liquid. M. West. 180,036; July 31.
 Oils, Medicinal mineral. Standard Oil Company. 180,033; July 31.
 Paste, Tooth. T. Miller. 177,861; July 31.
 Perfumes and toilet waters. Colgate & Company. 179,776-9; July 31.
 Pomade, Hair. Bayard Chemical Company. 179,393; July 31.
 Powder, Toilet. A. G. Smith. 180,304; July 31.
 Preparation for canker and sore throat. C. E. Anderson. 175,292; July 31.

Preparation for use in the treatment of hog cholera, etc. J. M. Bowman. 181,172; July 31.
 Remedy for toothache and neuralgia, and remedy for corns. L. Schulze. 180,392; July 31.
 Rouge and face powder. Marinello Company. 177,187; July 31.
 Saline cathartic. R. J. Strassenburgh Company. 178,641; July 31.
 Salts, Bath. City of Paris Dry Goods Company. 175,917; July 31.
 Shampoo preparation, massage cream, preparation for treatment of the hair. O. A. Tillman. 160,643; July 31.
 Tanning materials. Fulera-Tan Company. 180,118; July 31.
 Toilet preparations. Barr Manufacturing Corporation. 179,392; July 31.
 Tonic compound for treating worms, etc., in hogs and other live stock. A. J. White. 177,459; July 31.
 Tonic to be applied to the scalp and as a hair dressing. Levite Manufacturing Company. 177,679; July 31.
 Tooth paste. E. A. Warnick. 180,336; July 31.

CLASS 8.

Cigarette papers, Prepared. L. Guidici. 180,474; July 31.

CLASS 13.

Springs. Miller & Van Winkle, Inc. 165,501; July 31.

CLASS 14.

Alloy made from nickel ore for forging steel. L. B. Archer. 168,288; July 31.
 Steel, iron, metal sheets. United Alloy Steel Corporation. 154,895; July 31.

CLASS 15.

Gasoline. Industrial Oil Co. 181,447; July 31.
 Oils and greases, Lubricating. Pennsylvania Lubricating Company. 178,566; July 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Oils and greases. Transmission. Union Oil Company of California. 181,547-8; July 31.

CLASS 16.

Paints. Ready-mixed. Certain-Teed Products Corporation. 181,174; July 31.

CLASS 17.

Cigars. All Saints Cigar Co. 180,165; July 31.

CLASS 21.

Batteries. Mescal Electric Company. 171,135; July 31.
Batteries. Storage. Wearite Storage Battery Co. 179,976; July 31.

Engines. Spark timers for internal-combustion. Upco Manufacturing and Sales Company. 179,017; July 31.
Radio receiving sets and parts thereto. Rajah Radio Guild. 180,142; July 31.
Radio sending and receiving sets. Bruno Radio Corporation. 171,442; July 31.
Switches, circuit breakers, etc. Electrical. Cutter Electrical and Manufacturing Company. 179,928; July 31.

CLASS 22.

Dolls. L. J. Eyles. 180,331; July 31.
Dolls. Madame Georgene, Inc. 180,003; July 31.
Dolls and animals cut-outs. G. Lund. 181,134; July 31.
Game. Card. Cummings & Johnson. 180,528; July 31.
Game. Indoor table. Parker Brothers. 180,721; July 31.
Game. Table board. Block-Walsh Corporation. 181,010; July 31.
Punching bag platform and apparatus. Whitely Exerciser Company. 179,121; July 31.
Toys. Tin Decorating Company of Baltimore. 179,068; July 31.

CLASS 23.

Hammers. Marshall-Wells Company. 178,528; July 31.
Nippers. Snell & Atherton, Inc. 180,901; July 31.
Rubber-covered rolls for paper mills, tanneries, bleacheries, etc. Stowe & Woodward Company. 178,198; July 31.
Scissors, shears, and pocketknives. Marshall Field & Company. 177,371; July 31.
Screw drivers. Snap-On Wrench Company. 180,776; July 31.
Tools. Canton Forge & Axle Company. 181,059; July 31.

CLASS 26.

Adding and calculating machines and parts thereof, etc. G. Mez. 162,938-9; July 31.
Gauges. C. M. Larson. 178,049; July 31.

CLASS 30.

Earthenware utensils. W. I. Tyce. 180,088; July 31.

CLASS 32.

Bed springs. B. F. Lindsley. 175,801; July 31.

CLASS 33.

Glass. Sheet. L. J. Houze Convex Glass Company. 181,398; July 31.

CLASS 35.

Brake lining. Multibestos Company. 180,341; July 31.
Hose. Ingersoll-Rand Company. 180,933-4; July 31.
Hose. Voorhes Rubber Mfg. Co. 160,731; July 31.
Hose. Garden Baker, Hamilton and Pacific Company. 170,359; July 31.
Packing. Compressed asbestos-fiber sheet. C. C. Humberstone. 180,122; July 31.
Piston packing rings. J. F. Jones. 158,929; July 31.
Rings. Piston. Torsion Test Piston Ring Corporation. 179,894; July 31.
Rubbings. Fruit-jar. Hamilton Rubber Manufacturing Company. 180,862; July 31.
Tires. Elastic vehicle. Norwalk Tire & Rubber Company. 179,315; July 31.
Tires. Puncture patches for pneumatic. T. A. St. John. 181,092; July 31.
Tires. Rubber tubes for pneumatic. Packard Motor Car Company of New York. 177,510; July 31.

CLASS 38.

Bonds, certificates, booklets, stories. G. L. Miller & Company. 175,367; July 31.
Books. Printed. Hillbern Thrift Corporation. 176,626; July 31.
Coupons for the purchase of merchandise. E. B. McCann. 173,776; July 31.
Magazine section. Legion Publishing Corporation. 176,196; July 31.
Newspaper column. Heading for. Tribune Company. 166,413; July 31.
Newspaper. Column of news in its. Times Printing Company of Seattle. 175,416; July 31.

Newspapers, etc. Cartoon feature sold to various. C. W. Kahles. 175,871; July 31.
Periodical. Monthly. Aetna Life Insurance Company. 180,318; July 31.
Photo prints. National Process Company. 158,487; July 31.
Publication. Monthly. American Mutual Liability Insurance Company of Boston. 178,019; July 31.
Publication. Monthly. Pacific Radio Publishing Co. 161,747; July 31.
Publication title. Western Electric Company. 178,941; July 31.
Recipes and printed recipes. Compilation and card index of. Geo. D. Roper Corporation. 176,654; July 31.

CLASS 39.

Boots, shoes, and slippers. Thomas G. Plant Company. 167,422; July 31.
Brassieres. Ida Munzer, Inc. 176,804; July 31.
Caps and hats for men and women. Crofut & Knapp Co. 176,329; July 31.
Corsets. Sears, Roebuck and Co. 175,525; July 31.
Corsets, corset waists, and brassieres. Ferris Bros. Company. 175,779; July 31.
Garters, waist belts, and suspenders. Knothe Brothers Co. 177,915; July 31.
Hats and bonnets. Ladies'. Davidson Brothers Company. 178,895; July 31.
Hats and caps. H. Picard. 160,428-9; July 31.
Hats, Ladies'. H. L. Distillator & Son. 177,727; July 31.
Hosiery. Dalton Hosiery Mills. 177,832; July 31.
Neckties, scarfs, and sweaters. A. A. Kabil. 177,492; July 31.
Rubber heels. United States Rubber Company. 171,880; July 31.
Rubber heels. Wedge Heel & Rubber Co. 170,916; July 31.
Shirts. Men's. Tuxedo Shirt Co. 174,679; July 31.
Shirts, Men's and boys'. H. Berger. 177,763; July 31.
Shoes, Nurses'. Morgan Shoe Company. 176,801; July 31.
Vests for men. Reiffman-Corn Inc. 177,801; July 31.
Waists, Ladies'. American Lady Waist Co. 155,589; July 31.

CLASS 40.

Braids. Griffing Manufacturing Co. 177,776; July 31.
Dress shields. I. B. Kleinert Rubber Company. 179,105; July 31.

CLASS 42.

Cotton drilling in the piece. Minot, Hooper & Co. 180,714; July 31.
Cotton, silk, wool, etc., fabrics. Hecht & Mendes Incorporated. 178,560; July 31.
Knitted woolen piece goods. Garfield Worsted Mills. 178,604; July 31.
Nankins and tickings in the piece. Freund & Company. 178,835; July 31.
Silk piece goods. Empire Silk Company. 179,663; July 31.
Woolen cloth. Frankenberg, Morgan & Singleton. 180,659; July 31.

CLASS 43.

Threads. Linen. Barbour Flax Spinning Co. 179,985; July 31.

CLASS 45.

Beverage sold as soft drink. F. L. Grassini. 178,178; July 31.
Beverages. Maltless chocolate cereal. Vita Food Company. 177,529; July 31.
Extract for soft drink purposes, Vegetable. L. S. Carney. 180,467; July 31.
Ginger ale and beverages sold as soft drinks. C. A. Hay. 180,428; July 31.
Sirups and extracts for beverage purposes. Murray Company. 180,983; July 31.

CLASS 46.

Almonds, Salted. California Almond Packers. 179,585; July 31.
Apricots, cherries, peaches, pineapples, etc. Austin, Nichols & Co. 171,523; July 31.
Bread. Nafziger Baking Company. 175,262; July 31.
Bread. Vitimin Milling Company. 175,282; July 31.
Butter. Anna Creamery Company. 174,685; July 31.
Candy. A. L. Miller. 179,479; July 31.
Candy. W. R. Montague Company. 167,580; July 31.
Candy. Universal Theatres Concession Co. 179,070; July 31.
Candy. Universal Theatres Concession Co. 179,072; July 31.
Candy and cakes. Busy Bee Candy Company. 171,829; July 31.
Canned salmon. Anchorage Packing Co. 179,918; July 31.
Canned salmon. A & P Products Corporation. 179,696-7; July 31.
Coffee. Dorn Food Company. 179,857; July 31.
Coffee. J. Zinsmeister & Sons, Inc. 179,577; July 31.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cookies. Bishop & Company. 174,955-6; July 31.	Fruit in jars, figs, dates, etc. Park & Tilford. 172,553; July 31.
Dairy products. Cowiche Creamery. 173,565; July 31.	Fruits and canned fruits and vegetables, Dried. O. A. Harlan & Co. 179,469; July 31.
Eggs. Spangenberg & Co. 168,494; July 31.	Fruits, Fresh deciduous. Colfax Fruit Growers Assn. 179,459; July 31.
Feed, Cattle, etc. A. T. Peters. 161,200; July 31.	Fruits, fresh grapes, and vegetables, Fresh citrous. Ames & Ames. 179,510; July 31.
Feed, Stock and poultry. Case-Teel Company. 174,509; July 31.	Fruits, nuts, etc., Citrous. R. C. Vilas. 175,227; July 31.
Flour and stock feeds. Quaker Oats Company. 174,102; July 31.	Hams and bacon, Smoked. Patrick-Young Company. 179,677; July 31.
Flour, Self rising. Ford Flour Company. 172,327; July 31.	Hams, bacons, sausage, etc. Indianapolis Abattoir Company. 176,629; July 31.
Flour, Wheat. Attica Mills. 156,133; July 31.	Ice cream. United States Foil Company. 164,204; July 31.
Flour, Wheat. Harrison & Co. 166,371; July 31.	Lettuce and cantaloupes, Fresh. Sawdey & Hunt. 179,884; July 31.
Flour, Wheat. Harrison & Co. 166,672-3; July 31.	Meat scraps for poultry food. Los Angeles Fertilizer Company. 159,269; July 31.
Flour, Wheat. Kehlor Flour Mills Company. 169,908; July 31.	Milk and cream, butter, cheese, eggs, etc., Raw. W. Mellor. 166,082; July 31.
Flour, Wheat. A. S. Leo. 143,823; July 31.	Milk, butter. C. J. Davol. 167,714; July 31.
Flour, Wheat. Longmont Farmers Milling & Elevator Co. 169,722; July 31.	Nutmeats, Salted. National Nut Products Co. 179,109; July 31.
Flour, Wheat. Southwestern Milling Company. 174,597; July 31.	Oats, coffee, salted peanuts, etc., Rolled. G. E. Bursley & Company. 175,183; July 31.
Flour, Wheat. Trenton Milling Co. 162,148; July 31.	Peanuts, peanut butter, oil, and meal. Peanut Growers Association. 173,004; July 31.
Flour, Wheat. Vitimin Milling Company. 175,283; July 31.	Pork and beans, meat extracts, bouillon cubes, etc. Libby, McNeill & Libby. 159,711; July 31.
Food, Article of. Harrington & Hord. 169,129; July 31.	Tomato paste. Western Sausage & Provision Co. 179,442; July 31.
Food for chickens. E. R. Schooley. 166,573; July 31.	
Food product. Foley Food Product Company. 175,480; July 31.	
Foods, Breakfast cereal. Home Food Service Company. 167,084; July 31.	
Foods, wheat, etc., flour, Cereal breakfast. Wheaco Cereal Corporation. 167,111; July 31.	

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Adair, Charles T., and C. G. Frederick, Kansas City, Mo. Surfacing machine. 1,463,303; July 31.
- Adams, Frank H., Cleveland, Ohio, assignor, by mesne assignments, to Stromberg Motor Devices Company, Chicago, Ill. Air cleaning and heating attachment for internal-combustion engines. 1,463,416; July 31.
- Advance-Rumely Company. (See Ballentine, William I., assignor.)
- Advance-Rumely Company. (See Ross, James, assignor.)
- Ainsworth, George, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I. Wall plate for lighting fixtures. Des. 62,767; July 31.
- Ainsworth, George, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I. Body shell for lighting fixtures. Des. 62,768; July 31.
- Aitken, Charles H. W. (See Stoner, F., and Aitken.)
- Akins, Edwin J., Moundsville, W. Va. Underdrilling bit. 1,463,566; July 31.
- Aktiebolaget Svenska Kullagerfabriken. (See Staake, Emil, assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Wingquist, Sven G., assignor.)
- Aktieselskapet Turbo-Separator. (See Rasch, Ludvik, assignor.)
- All-Steel-Equip Company. (See Carr, John E., assignor.)
- Allan, John R., Boston, assignor to Hanlon Locomotive Sander Company, Winchester, Mass. Engineer's valve for pneumatic sanders. 1,463,188; July 31.
- Alonzi, Loreto, Chicago, Ill. Tea table. 1,463,540; July 31.
- Alston, Edward T. (See Turner, R. C., and Alston.)
- Aluminum Manufacturers, Incorporated. (See Brand, Harold H., assignor.)
- American Arch Company. (See Denney, Guy C., assignor.)
- American Arch Company. (See Willett, Alfred H., assignor.)
- American Bosch Magneto Corporation. (See Mayer, Carl A., assignor.)
- American Can Company. (See Thornburgh, Ivan D., assignor.)
- American Candy Co. (See Kuhn, Louis, assignor.)
- American Fabrics Company. (See Monk, Thomas, assignor.)
- American Fabrics Company, The. (See Page, Samuel H., assignor.)
- American Laundry Machinery Company, The. (See Waream, C. E., and Benjamin, assignors.)
- American Telephone and Telegraph Company. (See Davidson, John, Jr., assignor.)
- Andrews, Charles, Jr., Rockford, Ill., assignor, by mesne assignments, to The Washburn Company, Worcester, Mass. Handle for toasters and the like. 1,463,541; July 31.
- Anderson, Augustus F., Bangor, Me. Egg beater. 1,463,493; July 31.
- Anderson, E. D., Inc. (See Anderson, E. D., and Beckmann, assignors.)
- Anderson, E. D., Inc. (See Beckmann, Carl, assignor.)
- Anderson, Ernest D., and C. Beckmann, assignors to E. D. Anderson, Inc., New York, N. Y. Box-making machine. 1,463,454; July 31.
- Angell, Arnold A., Chicago, Ill. Method and apparatus for finishing leather. 1,463,542; July 31.
- Anthony, Riley E., Omaha, Nebr. Eccentric hook. 1,463,381; July 31.
- Armored Rubber Company, The. (See McLane, Joseph A., assignor.)
- Arnold, Albert A., Oak Park, Ill. Pasteboard-box-making machine. 1,463,567; July 31.
- Arnold, Edwin H., Coventry, and W. T. Wakeford, assignors to The Nitrogen Corporation, Providence, R. I. Drying gases. 1,463,279; July 31.
- Arnold, Edwin H., Coventry, and W. T. Wakeford, assignors to The Nitrogen Corporation, Providence, R. I. Ammonia synthesis autoclave. 1,463,280; July 31.
- Atwood, Edwin W. (See Copeman, Lloyd G., assignor.)
- Audiphone Company of America. (See Reynolds, Egbert A. and D. A., assignors.)
- Autonac Company, The. (See Mackey, Albert G., assignor.)
- Automatic Electric Company. (See Martin, Talbot G., assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, Davis S., assignor.)
- Baccellieri, Raffaele, Philadelphia, Pa. Fruit crusher. 1,463,238; July 31.
- Bachler, Christian F., Philadelphia, Pa. Steam and water boiler. 1,463,455; July 31.
- Bachofen, Theodor, West Hoboken, N. J. Pile-cutter knife. 1,463,239; July 31.
- Badger Manufacturing Corporation. (See Hathaway, C. H., and Starck, assignors.)
- Baeder, Gustav A., Chicago, Ill. Condiment holder. 1,463,543; July 31.
- Baker, Carey W., assignor to Packard Electric Company, Limited, St. Catharines, Ontario, Canada. Temperature-indicating device. 1,463,189; July 31.
- Baker, Charles E., assignor to The Universal Pattern & Model Company, Hartford, Conn. Child's vehicle. Des. 62,769; July 31.
- Bales, Edward R., Centralia, Ill. Lubricating device. 1,463,661; July 31.
- Ballentine, William I., Laporte, Ind., assignor to Advance-Rumely Company. Flexible motor support. 1,463,568; July 31.
- Barre, Marius J. (See Ward, W. E., and Barre.)
- Barstow, Edwin O., assignor to The Dow Chemical Company, Midland, Mich. Making benzoic acid and salts thereof. 1,463,190; July 31.
- Barthelemy, dit Paul Caus, Antoine J. M., Paris, France. Fire escape. 1,463,149; July 31.
- Bassick Company, The. (See Herold, Walter F., assignor.)
- Bates, Adelmor M., Chicago, Ill. Recording scale. 1,463,770; July 31.
- Bathrick, Charles E., assignor to South Bend Motors Company, South Bend, Ind. Unitary transmission and pump for motor-driven fire engines. 1,463,569; July 31.
- Batten, Gideon C., Cincinnati, Ohio. Wheelbarrow-handle guard. 1,463,191; July 31.
- Baumgart, August, Lind, Wash. Life-saving boat. 1,463,662; July 31.
- Bear, Edward, New York, N. Y. Clothesline fastener. 1,463,456; July 31.
- Beck, Adolf, K. Gersbach, Bitterfeld, and O. H. Weber, Griesheim-on-the-Main, assignors to the film: Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Casting oxidizable metals. 1,463,609; July 31.
- Becker, William. (See Knudtson, Edward G., assignor.)
- Beckmann, Carl, assignor to E. D. Anderson, Inc., New York, N. Y. Feed regulator. 1,463,457; July 31.
- Beckmann, Carl. (See Anderson, E. D., and Beckmann.)
- Beckwith, Carl F. (See Morrison, Vaughn E., assignor.)
- Beckwith, Louis. (See Burroughs, Harry E., assignor.)
- Belsel, William J., Port Richmond, N. Y. Spring wheel. 1,463,192; July 31.
- Benjamin, Dana H. (See Waream, C. E., and Benjamin.)
- Bethlehem Foundry & Machine Company. (See Lehman, John G., assignor.)
- Beverly Lights Corporation. (See Ainsworth, George, assignor.)
- Bidwell, George L., Riegelsville, Pa. Cylinder paper-making machine. 1,463,544; July 31.
- Bigelow, Frank B., assignor to Murphy Iron Works, Detroit, Mich. Suspended arch construction for furnaces. 1,463,240; July 31.
- Bigelow, Frank B., assignor to Murphy Iron Works, Detroit, Mich. Arch construction for furnaces. 1,463,241; July 31.
- Biggs, Benjamin, Seattle, Wash. Ventilator attachment for ranges. 1,463,242; July 31.
- Billings, Frank. (See Greenleaf, Robert P., assignor.)
- Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer-controlling means. 1,463,304; July 31.
- Black, Samuel D., and A. G. Decker, Baltimore, Md., assignors, by mesne assignments, to The Maryland Trust Company, trustee. Pumping apparatus. 1,463,305; July 31.
- Blankenberg, William J., assignor to The Perfect Projector Machine Company, Buffalo, N. Y. Motion-picture-projecting machine. 1,463,417; July 31.
- Bley, Julius, Duval, Saskatchewan, Canada. Packer and hitch therefor. 1,463,243; July 31.
- Bock, Everett M., Elkhart, Ill. Railway-crossing signal. 1,463,758; July 31.
- Boehmer, Frank. (See Wieland, George E. M., assignor.)

- Bogard, Frank T., assignor to R. H. Marchant, Oakland, Calif. Flexible attachment for trolley poles. 1,463,244; July 31.
- Bolan, James, Boston, Mass. Two-part piston for internal-combustion engines. 1,463,245; July 31.
- Bombardie, Charles H., Chicago, Ill., assignor to Wire-bounds Patents Company, Kittery, Me. Machine for use in making boxes. 1,463,382; July 31.
- Bore, Johan, and A. Skoglund, Gottenborg, assignors to C. A. A. Westerberg, Stockholm, Sweden. Steam cleansing device for locomotive boilers or the like. 1,463,494; July 31.
- Borelli, Albert, San Francisco, Calif. Barrel for locks. 1,463,495; July 31.
- Bosworth, Arthur H., Wichita, Kans. Container. 1,463,663; July 31.
- Botella, Jacques, Paris, France. Collapsible automobile top. 1,463,193; July 31.
- Rowden, J. D. (See Mountford, William J., assignor.)
- Bowen, Frank, Monett, Mo. Figure toy. 1,463,194; July 31.
- Bowen, George G. (See Duley, Charley A., assignor.)
- Bowman, Lewis H., Penn. Idaho. Flue top. 1,463,664; July 31.
- Brady, James E., New York, N. Y. Partition. 1,463,246; July 31.
- Bragdon, Herbert J., Alton, assignor to The Chicago Stopper Company, Chicago, Ill. Stopper for bottles and the like. 1,463,570; July 31.
- Tragg, Caleb S. (See Kliesrath, Victor W., assignor.)
- Brame, George W., St. Louis, Mo. Folding swing. 1,463,571; July 31.
- Brand, Harold H., assignor, by mesne assignments, to Aluminum Manufactures, Incorporated, Cleveland, Ohio. Metal mold. 1,463,247; July 31.
- Breitling, Ernst, and E. Ostmeier, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Cash register. 1,463,195; July 31.
- Bridgers, John D., Florence, S. C. Reatomizer attachment for internal-combustion engines. 1,463,496; July 31.
- Brighton Mills. (See Pearson, W. H., and Brighton, assignors.)
- Brittain, John E., Guilford, Mo. Disk-sharpening machine. 1,463,665; July 31.
- Broshar, Samuel H. (See Carr, V. B., and Broshar.)
- Brown & Bigelow. (See Harris, Blaine H., assignor.)
- Brown & Bigelow. See Kristofek, Frank J. assignor.)
- Brown, Harry P., assignor of one-half to W. E. Powers, Boston, Mass. Gaiter. 1,463,357; July 31.
- Brown Hoisting Machinery Company, The. (See Case, John P., assignor.)
- Buck, Charles P., Topeka, Kans. Sheet-metal-bending machine. 1,463,383; July 31.
- Buckeye Iron and Brass Works. (See Fulson, Charles H., assignor.)
- Buckner, William A., Fresno, Calif. Sprinkler head. 1,463,666; July 31.
- Buente, Charles F., Avalon, Pa. Service connection for concrete mains. 1,463,148; July 31.
- Bugatti, Ettore, Molsheim, France. Apparatus for the insertion of screw studs. 1,463,497; July 31.
- Burgess, Norman W., Lexington, Va. Armor for gasoline tanks of aeroplanes and for other purposes. 1,463,498; July 31.
- Burleigh, Arthur C., Wollaston, and A. C. Gowing, Braintree, Mass. Means for emptying washing machines. 1,463,248; July 31.
- Burroughs, Harry E., Boston, assignor to L. Beckwith, Everett, Mass. Hammock. 1,463,499; July 31.
- Burroughs, Harry E., Boston, assignor to L. Beckwith, Everett, Mass. Hammock. 1,463,500; July 31.
- Burrows, Ernest E., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale beam. 1,463,249; July 31.
- Burton, Leo R. H. (See Cook, V. E., and Burton.)
- Bushnell, Charles L., Vacaville, Calif. Universal joint. 1,463,306; July 31.
- Butler, Jay E., assignor to Victor Piston Ring Co., Baltimore, Md. Metallic piston and piston packing ring. 1,463,667; July 31.
- Buttenfield, Charles C., Pittsburgh, Pa. Piston and cylinder fitting compound. 1,463,501; July 31.
- Buttenfield, Charles C., Pittsburgh, Pa. Piston and cylinder fitting compound. 1,463,502; July 31.
- Butterworth, Samuel D., Lansing, Mich. Striker plate. 1,463,384; July 31.
- Butterworth, Samuel D., Lansing, Mich. Latch. 1,463,385; July 31.
- Caffrey, Maurice J., New York, N. Y. Book holder. No. 1,463,668; July 31.
- Cain, John J., Bayonne, N. J. Locomotive boiler. 1,463,250; July 31.
- Callard, Robert P., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Changing bending rollers in sheet-glass-drawing machines. 1,463,251; July 31.
- Cameron-Cowburn, Gertrude M., Gosport, Hants, England. Driving gear specially applicable to motor-propelled cycles. 1,463,610; July 31.
- Cameron, John A. H., et al. (See Remillard, Joseph O., assignor.)
- Camp, S. H., & Company. (See Camp, Samuel H., assignor.)
- Camp, Samuel H., Jackson, Mich., assignor to said Samuel H. Camp and E. C. Reynolds. Corset and abdominal support. 1,463,252; July 31.
- Campbell, George W., Fort Laramie, Wyo. Folding shoe-brush. 1,463,669; July 31.
- Campbell, Paul, San Antonio, Tex. Clothespin. 1,463,670; July 31.
- Carlson, John H., Chicago, Ill. Frame for framing prints and the like. 1,463,150; July 31.
- Carlson, Wendell L., and E. C. Hanson, Washington, D. C. Radiotelegraph system. 1,463,386; July 31.
- Carlson, Wendell L. (See Hanson, E. C., and Carlson.)
- Carr, John E., assignor to All-Steel-Equip Company, Aurora, Ill. Inclosed switch. 1,463,151; July 31.
- Carr, Vernon B., and S. H. Broshar, Lebanon, Ind. Automatic draft regulator. 1,463,671; July 31.
- Carrington, Phyllis, New York, N. Y. Sandal. 1,463,672; July 31.
- Carson, George C., E. Coll, San Francisco, and T. S. Christensen, Nashmead, Calif. Wall construction. 1,463,759; July 31.
- Carson, Whitfield R. (See Drefahl, L. C., and Carson.)
- Carter, George E., Circleville, Ohio. Bolt. 1,463,572; July 31.
- Case, Francis M. (See Frank, W. D., and Case.)
- Case, John P., Chicago, Ill., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Storage bin. 1,463,307; July 31.
- Cateula, Jaime, Buenos Aires, Argentina. Cupping glass. 1,463,458; July 31.
- Central Station Steam Company. (See Redfield, John V., assignor.)
- Cermak, Jerome F., Brooklyn, N. Y. Time switch. 1,463,253; July 31.
- Champlin, Tint, Little Valley, N. Y. Knife. 1,463,573; July 31.
- Chapman, Earle E., Los Angeles, Calif., assignor to Miller-Chapman Company. Shackle for automobile wheels and spokes. 1,463,387; July 31.
- Chapman, Howard D., Baltimore, Md. Ratchet screw driver. 1,463,418; July 31.
- Chappell, Isaac A., et al. (See Lane, George A., assignor.)
- Chase, Elle R. (See Peck, W. J., and Chase.)
- Chemische Fabrik Griesheim-Elektron. (See Beck, A., Gersbach, and Weber, assignors.)
- Cheshire, Edward, Berlin Township, Waukesha County, Wis. Cutting mechanism. 1,463,545; July 31.
- Chicago Railway Signal and Supply Company. (See McCarthy, Daniel J., assignor.)
- Chicago Stopper Company, The. (See Bragdon, Herbert J., assignor.)
- Children's Bed Cover Fastener Company. (See Petzold, Julius A., assignor.)
- Chilowsky, Constantin, Paris, France. Apparatus for performing cycles of compression, expansion, combustion, suction, exhaust, and the like. 1,463,646; July 31.
- Christensen, Thomas S. (See Carson, G. C., Coll, and Christensen.)
- Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolytic condenser. 1,463,152; July 31.
- Claassen, Alvin A., Chicago, Ill. Means to compress ingots. 1,463,771; July 31.
- Clapp, Albert L., Marblehead, assignor to The Flintkote Company, Boston, Mass. Absorbent sheet material. 1,463,611; July 31.
- Clark, James C. H. (See Olson, E. H., Clark, Mealey, and Pelter.)
- Clark, Simon R., et al. (See Ulrich, Carl J., assignor.)
- Clase, Charles A., Portland, Oreg. Micrometer gauge. 1,463,673; July 31.
- Clay, Noble S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fan structure. 1,463,153; July 31.
- Clemons, Frederick E., Indianapolis, Ind. Vehicle suspension. 1,463,574; July 31.
- Clerc, Camille. (See Nihoul, A., and Clerc.)
- Cleveland Electric Machine & Mfg. Co. (See Kidney, Willis E., assignor.)
- Cochran, Fred J., Mount Vernon, Ill. Roller and ball bearing axle structure. 1,463,196; July 31.
- Cochran, William H., Spartanburg, S. C. Flowerpot. Des. 62,770; July 31.
- Coester, George, assignor to Georgia Vita Ligno Co., Brunswick, Ga. Composition for impregnating wood and preparing it. 1,463,674; July 31.
- Cole, Clifford M., Los Angeles, Calif. Light reflector. 1,463,546; July 31.
- Coleman, Hamilton D., near Biloxi, Miss. Crutch seat. 1,463,675; July 31.
- Coll, Edward. (See Carson, G. C., Coll, and Christensen.)
- Collins, Earl F., Charleston, W. Va. Identification sign for optometrists. Des. 62,771; July 31.
- Collins, William B., Ben Avon Borough, Pa. Dispensing packet for waxed paper. 1,463,503; July 31.
- Combs, Wilbur M., assignor to A. H. Sherman, Lyons, N. Y. Grain-car door. 1,463,772; July 31.
- Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)
- Comstock, Dorothy D., Dedham, Mass. Portable crib. 1,463,459; July 31.
- Conard, Frederick U., Brooklyn, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,463,254; July 31.

- Conger, Charles A., Oakland, assignor to National Auto Devices Company, San Francisco, Calif. Vehicle lock. 1,463,760; July 31.
- Conklin, Oliver F., Detroit, Mich., assignor to Remy Electric Company, Anderson, Ind. Ignition apparatus. 1,463,197; July 31.
- Cook, Vernon E., Utica, and L. R. H. Burton, Rome, N. Y. Mass-card holder. Des. 62,772; July 31.
- Cooley, Louis D. (See Davis, J. L., and Cooley.)
- Cooper, Simon, Brooklyn, N. Y., assignor to Menasha Wooden Ware Co., Menasha, Wis. Sealing machine. 1,463,460; July 31.
- Cooper, Simon, Brooklyn, assignor to Vacuum Pulp Products Corporation, New York, N. Y. Mold and process for forming articles from pulp or other plastic material. 1,463,575; July 31.
- Copeman, Lloyd G., assignor to E. W. Atwood, Flint, Mich. Refrigerating apparatus. 1,463,419; July 31.
- Cordes, August W., New York, N. Y. Bracket for supporting objects, and especially for securing number plates. 1,463,358; July 31.
- Cornwall, May B. (See Greenstreet, M. L., and Day, assignors.)
- Coss, Thomas F., Mendota, Ill. Door-opening appliance. 1,463,647; July 31.
- Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Steam superheater. 1,463,547; July 31.
- Cowell, Robert J. (See Jardee, M. F., and Cowell.)
- Cox, William G., Cleveland, Ohio. Spring fender or bumper. 1,463,308; July 31.
- Craig, Robert M., Wilkinsburg, Pa. Metallic denture backing. 1,463,548; July 31.
- Crown Cork and Seal Company of Baltimore City, The. (See Derby, William V., assignor.)
- Cullen, Catherine F., New York, N. Y. Game. 1,463,388; July 31.
- Cummins, Earl H., Chicago, assignor to Dadant & Sons, Hamilton, Ill. Extraction apparatus. 1,463,154; July 31.
- Curme, George O., jr., and H. B. Heyn, Pittsburgh, Pa., assignors, by mesne assignments, to Union Carbide Company, New York, N. Y. Preparation of benzoates and benzoic acid from dibenzyl. 1,463,255; July 31.
- Curry, Jasper C., Pineville, La. Garbage and sewage incinerating apparatus. 1,463,761; July 31.
- Custer, George E., assignor to Custer Manufacturing Company, Stoyestown, Pa. Pedal lock. 1,463,676; July 31.
- Custer Manufacturing Company. (See Custer, George E., assignor.)
- Dadant & Sons. (See Cummins, Earl H., assignor.)
- Daimler-Motoren-Gesellschaft. (See Daimler, Paul, assignor.)
- Daimler, Paul, Cannstatt, assignor to the Firm Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Compressor arrangement for the motors of automobile vehicles. 1,463,256; July 31.
- Daly, Charles M., East Elmhurst, N. Y. Cooker attachment for automobile radiators. 1,463,576; July 31.
- Dance, Victoria E., Hamilton, Ohio. Bottle stopper. 1,463,198; July 31.
- Davidson, John, jr., Montclair, N. J., assignor to American Telephone and Telegraph Company. Ringing arrangement for multiplex circuits. 1,463,199; July 31.
- Davidson, John, jr., Montclair, N. J., assignor to American Telephone and Telegraph Company. Ringing arrangement for multiplex circuits. 1,463,200; July 31.
- Davis, Albert L., Kingsway, assignor to Vickers Limited, Westminster, London, England. Aircraft lamp. 1,463,677; July 31.
- Davis, Albert L., Kingsway, assignor to Vickers Limited, Westminster, London, England. Aircraft lamp. 1,463,678; July 31.
- Davis, Calvin R., assignor to Emerson-Brantingham Company, Rockford, Ill. Power lift for grain drills. 1,463,612; July 31.
- Davis, Calvin R., assignor to Emerson-Brantingham Company, Rockford, Ill. Power lift for grain drills. 1,463,613; July 31.
- Davis, Elmer M., Chicago, assignor to Swift & Company, Cook County, Ill. Deodorizing and improving the quality of cream and butter fat. 1,463,509; July 31.
- Davis, Frank K., and C. C. Taylor, Washington, D. C., assignors to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,463,155; July 31.
- Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dispensing pump. 1,463,310; July 31.
- Davis, John L., and L. D. Cooley, Greenville, S. C. Loom attachment. 1,463,614; July 31.
- Davis, William J., Chicago, Ill. Sanitary piping and fitting therefor. 1,463,461; July 31.
- Day, Herbert W. (See Parker, L. H., and Day.)
- Day, Wallace. (See Greenstreet, M. L., and Day.)
- Dayton Steel Foundry Company. (See Walther, G., and Walkley, assignors.)
- Debie, André L. V. C., Paris, France. Positive-films-printing machine. 1,463,737; July 31.
- De Camp, Ellis O., assignor to The Williamson Heater Company, Cincinnati, Ohio. Clothes drier. 1,463,615; July 31.
- Decker, Alonzo G. (See Black, S. D., and Decker.)
- Deere & Company. (See Paul, William L., assignor.)
- Deere & Company. (See Silver, Walter H., assignor.)
- Deere and Company. (See Strandlund, Carl G., assignor.)
- Deere & Company. (See White, Charles H., assignor.)
- De Leon, Emilio, Remedios, Cuba. Automatic train stop. 1,463,679; July 31.
- Denney, Guy C., Hinsdale, Ill., assignor to American Arch Company. Arch brick. 1,463,156; July 31.
- De Normanville, Samuel A. (See Kent, L. H., and de Normanville.)
- Des Moines Incubator Company. (See Newport, Calvin C., assignor.)
- Derby, William V., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Capping apparatus. 1,463,257; July 31.
- Dettelbach, Edward, Cleveland, Ohio. Wheel rim. 1,463,549; July 31.
- Deuring, Fritz, Munich-Gladbach, Germany. Driving mechanism for transverse supports or slides in revolver lathes, semiautomatic lathes, and the like. 1,463,201; July 31.
- Dickinson, Walter M., Middlesex, N. C. Level. 1,463,738; July 31.
- Dietz, Benjamin H., and A. E. Hansen, Chicago, Ill. Phonograph. 1,463,311; July 31.
- Dillinger, Thomas M., Portland, Oreg. Leather cutter. 1,463,312; July 31.
- Dobin, Sam. (See Mitchell, Alexander, assignor.)
- Dodge, Harry C. (See Lowman, Ray L., assignor.)
- Doktor, Jozsef, St. Clairsville, Ohio. Rail scarf joint. 1,463,680; July 31.
- Domizi, David F., Cleveland, Ohio. Japanning apparatus. 1,463,313; July 31.
- Doran, William F., Philadelphia, Pa. Headlight. 1,463,524; July 31.
- Doran, William F., Philadelphia, Pa. Headlight. 1,463,525; July 31.
- Douglas, William J., Numa, Iowa. Extension filler pipe. 1,463,202; July 31.
- Dow Chemical Company, The. (See Barstow, Edwin O., assignor.)
- Drake, John J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Guide for sewing machines. 1,463,258; July 31.
- Draper Corporation. (See Edmands, Frank, assignor.)
- Draper, Clare H., Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Filling-end controller for looms. 1,463,203; July 31.
- Draper, Harold W., East Orange, assignor to The Whitehead & Hoag Company, Newark, N. J. Badge and analogous device. 1,463,739; July 31.
- Dredge, William, Manchester, England. Baker's oven. 1,463,616; July 31.
- Drefahl, Louis C., Lakewood, and W. R. Carson, South Euclid, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Water jacket. 1,463,204; July 31.
- Dudley, Edward F. (See Stevens, B. D., and Dudley.)
- Duehr, Bernard J., Big Island, Va. Anti-skid chain. 1,463,681; July 31.
- Duffield, Frederick L. (See Longbottom, C. A., and Duffield.)
- Duffy, Michael J., Brooklyn, N. Y. Resilient wheel. 1,463,682; July 31.
- Duley, Charles A., assignor of one-half to G. G. Bowen, Breckenridge, Tex. Combination swivel wrench plate and hanger. 1,463,648; July 31.
- Dunajeff, Leonid A., New York, N. Y. Liquid-feeding device. 1,463,683; July 31.
- Dunham, Charles L. (See Giebell, Charles L., assignor.)
- Dunhill, Alfred, London, England. Tobacco pipe. 1,463,684; July 31.
- Du Pont, E. I., de Nemours & Company. (See Abraham, C. D., and Schwartz, assignors.)
- Du Pont, E. I., de Nemours, & Company. (See Gibbs, Harry D., assignor.)
- Dyer, Frank L., Montclair, N. J. Measuring device for collapsible tubes. 1,463,578; July 31.
- Eanes, Hugh P., assignor, by mesne assignments, to W. W. Miller, Martinsville, Va. Doffing and donning mechanism. 1,463,462; July 31.
- Edison Electric Appliance Co. (See Rankin, William A., assignor.)
- Edmands, Frank, assignor to Draper Corporation, Hopedale, Mass. Bobbin. 1,463,205; July 31.
- Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)
- Edwards, George W., Berlin, N. H. Stoker grate. 1,463,157; July 31.
- Efficiency File Co. (See Turner, Roy J., assignor.)
- Ehrhart, Raymond N., assignor to Elliott Company, Pittsburgh, Pa. System for removing air and gases from water. 1,463,158; July 31.
- Eiserman, Frederick W., and H., Cleveland, Ohio. Timing mechanism for boiler skimmers. 1,463,577; July 31.
- Eiserman, Herman. (See Eiserman, Frederick W., and H.)
- Eiserman, William. (See Eiserman, Frederick W., and H.)
- Eisselt, Ferdinand E. G., assignor to E. Richter, Chemnitz, Germany. Electric liquid heater. 1,463,617; July 31.
- Electric Sealing Machine Corporation. (See Reusch, Walter, assignor.)
- Electrical Engineers Equipment Company. (See Jacobs, Ernest H., assignor.)
- Elliott Company. (See Ehrhart, Raymond N., assignor.)
- Elliott, Frank B., Belle Plaine, Kans. Rail joint. 1,463,618; July 31.

- Emerson-Brantingham Company. (See Davis, Calvin R., assignor.)
- Erskine, James E., Jacksonville, Fla. Floor plate. 1,463,359; July 31.
- Evans, Edwin R., Detroit, Mich. Brake. 1,463,159; July 31.
- Evans, Lewis L., Bridgeport, Conn., and G. M. Hart, Wilkes-Barre, Pa. Switch mechanism. 1,463,463; July 31.
- Everett, Ira, Sayre, Pa. Car-end construction. 1,463,773; July 31.
- Fageol, William B., Oakland, Calif. Power-transmission-gear mechanism. 1,463,389; July 31.
- Fairbanks, E. and T., and Company. (See Burrows, Ernest E., assignor.)
- Fairbanks, Eugene A., Holland, Mich. Firearm. 1,463,160; July 31.
- Faries Manufacturing Company. (See Grady, William J., assignor.)
- Fernandes, Antonio, Kansas City, Mo. Breath mask. 1,463,390; July 31.
- Ferodo Limited. (See Frood, Herbert, assignor.)
- Field, Sjonne, Chicago, Ill. Stepladder. 1,463,649; July 31.
- Fisher Body Corporation. (See Simpson, Emory G., assignor.)
- Fisher, Charles H., Carrollton, Ohio. Headlight. 1,463,685; July 31.
- Flagg, Andrew B., Attleboro, Mass. Vanity case. 1,463,259; July 31.
- Flintkote Company, The. (See Clapp, Albert L., assignor.)
- Foote, Leonard, Pedro Miguel, Canal Zone, Panama. Sealing ring. 1,463,360; July 31.
- Ford, Silas M., St. Paul, Minn. Machine for making shingles and cleaning and lubricating dies. 1,463,314; July 31.
- Foster, Theodore W., & Bro. Co. (See Wilson, Ralph W., assignor.)
- Fouché, Alfred L., Atlanta, Ga. Demountable rim. 1,463,260; July 31.
- Frakes, Merton L. (See Young, J., and Frakes.)
- Frank, Walter D., and F. M. Case, Cleveland, Ohio, assignors to General Electric Company. Printing machine. 1,463,504; July 31.
- Frederick, Carl G. (See Adair, C. T., and Frederick.)
- Fretter, Nathan F., Cleveland, Ohio. Lathe. 1,463,505; July 31.
- Frey, John H., and J. N. Kaiser, Erie, Pa. Boring head. 1,463,686; July 31.
- Fried, Krupp Aktiengesellschaft. (See Breitling, E., and Ostmeyer, assignors.)
- Friedley Voshardt Co. (See Mohrmann, Paul, assignor.)
- Frood, Herbert, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Composition for coating and bonding fabrics. 1,463,780; July 31.
- Frood, Herbert, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Material for frictional and wearing purposes. 1,463,506; July 31.
- Fulson, Charles H., Trenton, Tenn., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Mechanical cooker. 1,463,526; July 31.
- Funck, Louis, Bronxville, N. Y. Easy-lacing device. 1,463,579; July 31.
- Funk, John H., Louisville, Ky., assignor to Universal Car and Hose Coupler Company, St. Louis, Mo. Compression coupling. 1,463,261; July 31.
- Furman, Thomas H., Brooklyn, N. Y. Safety device for airplanes. 1,463,464; July 31.
- Futral, Richard, assignor to St. Louis Stove Company, St. Louis, Mo. Stove. 1,463,315; July 31.
- G. C. A. Manufacturing Company. (See Grinnell, Harold D., assignor.)
- Gaddy, Vernie L. (See Krase, N. W., and Gaddy.)
- Gale, Francis G., Waterville, Quebec, Canada. Mattress frame. 1,463,161; July 31.
- Gallagher, John J. (See Martin, Frederick T., assignor.)
- Gardiner, Lou M., deceased, by M. D. Gardiner, administratrix, Oakland, Calif. Vehicle driving mechanism. 1,463,687; July 31.
- Gardiner, May D., administratrix. (See Gardiner, Lou M.)
- Gardner, Prince A., St. Louis, Mo. Cardcase. 1,463,619; July 31.
- Garr, Joseph M. (See Godman, J. E., and Garr.)
- Gates, Ernest R. (See Selby-Fayers, W., and Gates.)
- Gee, Frederick S. (See Gee, James E. and F. S.)
- Gee, James E. and F. S., London, England. Display device. 1,463,740; July 31.
- General American Tank Car Corporation. (See Parks, Ostrander J., assignor.)
- General Electric Company. (See Frank, W. D., and Case, assignors.)
- General Electric Company. (See Schwenker, Charles F., assignor.)
- General Machine Works, The. (See Swartz, William H., assignor.)
- General Motors Research Corporation. (See Lee, Charles L., assignor.)
- General Specialty Company. (See Krause, Albert F., assignor.)
- Genett, Louis J., assignor of one-half to J. M. Longyear, jr., Marquette, Mich. Demountable-rim stand. 1,463,465; July 31.
- Georgi, Paul and R., Leipzig-Gohlis, Germany. Signal sound instrument. 1,463,361; July 31.
- Georgi, Robert. (See Georgi, Paul and R.)
- Georgia Vita Ligno Co. (See Coester, George, assignor.)
- Gersbach, Karl. (See Beck, A., Gersbach, and Weber.)
- Gibbs, Harry D., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and making same. 1,463,206; July 31.
- Giebell, Charles L., assignor of one-half to C. L. Dunham, Pennsboro, W. Va. Underreamer. 1,463,316; July 31.
- Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)
- Gillfillan, Robert H., assignor to Storb, Snader & Company, New Holland, Pa. Let-off mechanism for looms. 1,463,207; July 31.
- Gnau, Edgar C., East Aurora, N. Y. Connection protector. 1,463,208; July 31.
- Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Sidelamp. 1,463,162; July 31.
- Godman, John E., and J. M. Garr, La Fayette, Ind.; said Garr assignor to said Godman. Electric heating attachment for carburetors. 1,463,774; July 31.
- Golco Sanitary System, Inc. (See Goldsmith, Harry N., assignor.)
- Goldsmith, Harry N., assignor to Golco Sanitary System, Inc., Philadelphia, Pa. Combined tile structure and toilet-paper holder. 1,463,775; July 31.
- Goodrich, B. F., Company, The. (See Schade, James W., assignor.)
- Gordon, Hiram, assignor to Shelby Shoe Company, Portsmouth, Ohio. Presser pad. 1,463,688; July 31.
- Gorman, Alphonsus, et al. (See Remillard, Joseph O., assignor.)
- Gould, Augustus W., deceased, Mount Angel, Oreg.; H. Phelan, executrix. Filler and accelerator for rubber compounds. 1,463,781; July 31.
- Gowing, Albert C. (See Burleigh, A. C., and Gowing.)
- Grady, William J., assignor to Faries Manufacturing Company, Decatur, Ill. Arm for lighting fixtures. Des. 62,773; July 31.
- Grasselli Chemical Company, The. (See Drefahl, L. C., and Carson, assignors.)
- Grasselli Chemical Company, The. (See Haggenmacher, John E., assignor.)
- Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
- Gray, Charles F., Sierra Madre, Calif., assignor to The Singer Manufacturing Company. Strap-forming device for sewing machines. 1,463,262; July 31.
- Gray, Robert D., New York, N. Y. Photo-enlarging machine. 1,463,689; July 31.
- Grayson, John H., Athens, Ohio. Burner tip. 1,463,263; July 31.
- Grayson, John R., Kakabeka Falls, Ontario, Canada. Automatic wheeled scraper. 1,463,690; July 31.
- Greenleaf, Robert P., Cleveland, Ohio, assignor to F. Billings. Loading machine. 1,463,550; July 31.
- Greenstreet, Milfred L., and W. Day, Maplewood, assignors of one-third to M. B. Cornwall, St. Louis, Mo. Animal trap. 1,463,163; July 31.
- Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Lamp-bulb installing and removing device. 1,463,466; July 31.
- Gross, Kine, Wellman, Iowa. Refrigerator. 1,463,264; July 31.
- Gruetter, John R. (See Loew, C. H., and Gruetter.)
- Grunt, Joseph, Cleveland, Ohio. Sand-handling apparatus. 1,463,691; July 31.
- Guenther, Henry L., Los Angeles, Calif. Can feeding and timing device. 1,463,527; July 31.
- Haggenmacher, John E., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Manufacture of acetic acid. 1,463,209; July 31.
- Hahnemann, Walter, Kitzberg, near Kiel, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Werk Ravensberg, Germany. Device for increasing the sound energy with submarine sound transmitters. 1,463,507; July 31.
- Hall, Gustav, Portland, Oreg. Invisible pipe joint. 1,463,692; July 31.
- Hale, Kenneth C., Detroit, Mich. Trolley-wire-holding rail. 1,463,420; July 31.
- Hall, Samuel L., Cushing, Okla. Brake iron. 1,463,693; July 31.
- Halvorsen, Birger F., Christiania, Norway. Recovering soluble compounds of potassium and aluminum from silicates. 1,463,508; July 31.
- Halversen, Hans N., Vineland, N. J., assignor to Kimble Glass Company, Chicago, Ill. Graduating appliance. 1,463,317; July 31.
- Hamel, Georges, Les Aydes, France. Aeroplane. 1,463,694; July 31.
- Hanlon Locomotive Sander Company. (See Allan, John R., assignor.)
- Hanman, John, London, England, and G. Hazelton, Portadown, Ireland. Detachable wheel and the like. 1,463,695; July 31.
- Hanscom, Ralph B., Morristown, S. Dak. Lubricating device for automobiles, etc. 1,463,421; July 31.
- Hansen, Albert E. (See Dietz, B. H., and Hansen.)
- Hanson, Earl C., and W. L. Carlson, Washington, D. C. Radiotelegraph system. 1,463,391; July 31.

- Hanson, Earl C., and W. L. Carlson, Washington, D. C. Therapeutic electrode. 1,463,392; July 31.
- Hanson, Earl C. (See Carlson, W. L., and Hanson.)
- Hanson, Henry J., Thor, Iowa. Wire reel. 1,463,696; July 31.
- Hardey, Virgil S., Chicago, Ill. Switch. 1,463,551; July 31.
- Hardoncourt, Arthur, New York, N. Y. Channel brick. 1,463,697; July 31.
- Harmon, Willis E., Worcester, Mass. Shock absorber. 1,463,552; July 31.
- Harris, Blaine H., assignor to Brown & Bigelow, St. Paul, Minn. Calendar-pad retainer. 1,463,210; July 31.
- Hart, Gerald M. (See Evans, L. L., and Hart.)
- Hart, William C., Montague Bay, Tasmania, Australia. Applying labels to canned goods. 1,463,265; July 31.
- Harter, Clarence J., Syracuse, N. Y. Apparatus for testing the contours of gear teeth. 1,463,580; July 31.
- Hartford Special Machinery Company, The. (See Schiedge, George K., assignor.)
- Hathaway, Charles H., West Allis, and W. A. Starck, assignors to Badger Manufacturing Corporation, Milwaukee, Wis. Automobile bumper. 1,463,581; July 31.
- Haviland, Theodore & Co. (See Haviland, William D., assignor.)
- Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y. Plate or similar article. Des. 62,774; July 31.
- Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y. Plate or similar article. Des. 62,775; July 31.
- Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y. Dish, bowl, or similar article. Des. 62,776; July 31.
- Hayes, John C. et al. (See Lane, George A., assignor.)
- Hayward, Ned E., Holyoke, Mass. Freight-car signal. 1,463,467; July 31.
- Hazelton, George. (See Hanman, J., and Hazelton.)
- Heagerty, Patrick G., Sandusky, Ohio. Waving signal. 1,463,650; July 31.
- Heartick, Edward G., Louisville, Ky. Register wall guard. 1,463,318; July 31.
- Heddon's, James, Sons. (See Welch, John T., assignor.)
- Heesch, Otto K. (See Madsen, Mathias O. S., assignor.)
- Hedder, Philip, Pittsburgh, assignor of one-half to H. C. Simmons, Crafton, Pa. Oil still. 1,463,608; July 31.
- Heitman, Henry N., St. Louis, Mo. Coupon-cutting machine. 1,463,393; July 31.
- Heine Boiler Company. (See Cotton, Alfred, assignor.)
- Heintz, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator. 1,463,422; July 31.
- Heisner, Paul A. (See Heisner, Wesley P., and P. A.)
- Heisner, Wesley P. and P. A., Rockville, Nebr. Adjustable strainer support. 1,463,394; July 31.
- Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Pivot mounting. 1,463,423; July 31.
- Henderson, Albert E., Toronto, Ontario, Canada. Device for and method of the manufacture of protected inner tubes for tires. 1,463,528; July 31.
- Henderson, Albert E.; Toronto, Ontario, Canada. Device for the manufacture of pneumatic tubes. 1,463,529; July 31.
- Henderson, Carl. (See Stevens, B. D., Henderson, and Saxon.)
- Hendricks, Joseph. (See Saunders, Samuel R., assignor.)
- Henry, William D., Greenville, Ill. Towing tongue. 1,463,699; July 31.
- Herold, Walter F., Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,463,266; July 31.
- Heyman, August, New York, N. Y. Window-operating device. 1,463,700; July 31.
- Heyn, Herman B. (See Curme, G. O., jr., and Heyn.)
- Hillmer, Max L., and L. O. Parker, assignors to Remy Electric Company, Anderson, Ind. Engine-starter gearing. 1,463,211; July 31.
- Hineline, Edson S., Apponaug, assignor to Hineline Engineering Company, Providence, R. I. Stop motion for knitting machines. 1,463,741; July 31.
- Hineline Engineering Company. (See Hineline, Edson S., assignor.)
- Hirshfield, Morris, Brooklyn, N. Y. Slipper. Des. 62,777; July 31.
- Hirshfield, Morris, Brooklyn, N. Y. Slipper. Des. 62,778; July 31.
- Hirshfield, Morris, Brooklyn, N. Y. Slipper. Des. 62,779; July 31.
- Hirshfield, Morris, Brooklyn, N. Y. Slipper. Des. 62,780; July 31.
- Hitchcock Experiment Company. (See Hitchcock, Halbert K., assignor.)
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company. Drawing glass sheets. 1,463,582; July 31.
- Hohman, Charles J. sr., Elmhurst, Ill. Guide rail. 1,463,319; July 31.
- Holleran, Charles P., Chicago, Ill. Combined blast and suction sweeper. 1,463,583; July 31.
- Holmes, Oscar J. (See Larsen, L. B., and Holmes.)
- Holt, Josephine L., Portland, Oreg. Bust confiner and reducer. 1,463,424; July 31.
- Holton, Abner T., High Point, N. C. Kitchen table. 1,463,701; July 31.
- Hooper, Charles L., R. F. Sutherland, and A. W. Parkhouse, Rochester, assignors to Vacuum Oil Company, New York, N. Y. Coating machine. 1,463,362; July 31.
- Hopedale Manufacturing Company. (See Draper, Clara H., assignor.)
- Hopedale Manufacturing Company. (See Ledoux, Victor, assignor.)
- Hopedale Manufacturing Company. (See Northrop, James, assignor.)
- Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
- Hosner, Ralph B., San Francisco, Calif. Folding and tent bed. 1,463,267; July 31.
- Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Manufacture of concentrated acetic acid. 1,463,212; July 31.
- Hueseman, William M., Dillsboro, Ind. Suspenders. 1,463,213; July 31.
- Huff, Wilson S., Oklahoma, Okla. Fireproof tank. 1,463,268; July 31.
- Huling, Louis G. (See Wetter, William M., assignor.)
- Hulse, William H., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,463,778; July 31.
- Hunt, George R. (See Vandivier, J. R., and Hunt.)
- Hunter, Jay G., Sabula, Iowa. Condenser. 1,463,468; July 31.
- Hutchison, Arthur A., Harrisburg, Pa. Spark intensifier. 1,463,530; July 31.
- Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,463,164; July 31.
- Independent Stove Co., The. (See Robinson, William V., assignor.)
- Ingersoll, Frederick T., Omaha, Nebr. Foot-operated musical instrument. 1,463,509; July 31.
- International Motor Company. (See Masury, A. F., and Leipert, assignors.)
- International Precipitation Company. (See Weiskopf, Charles H., assignor.)
- Interstate Iron and Steel Company. (See Smith, George M., assignor.)
- Interstate Railway Supply Company, The. (See Stephens, Henry, assignor.)
- Ivers-Lee Company. (See Macdonald, C. H., and Salfisberg, assignors.)
- Jack, Alexander G. M., Sheffield, England. Flexible supporting means suitable for use in suspension transporter arrangements and for other purposes. 1,463,165; July 31.
- Jackson, Marshall H., Chicago, Ill. Seal-press identification. 1,463,322; July 31.
- Jackson, Wm. H., Company. (See Stout, Edward D., assignor.)
- Jacobs, Ernest H., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Switch. 1,463,326; July 31.
- Jacobs, Merrill. (See Munn, William B., assignor.)
- Jacobson, Peter G., Chicago, Ill. Indicating device. 1,463,321; July 31.
- Jacobus, Davis S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Cement-kiln system. 1,463,363; July 31.
- Jansson, August W., assignor to The Kent Machine Company, Kent, Ohio. Blank carrier for heading machines and the like. 1,463,323; July 31.
- Jardee, Minniafee J., and R. J. Cowell, St. Joseph, Mo. Oil burner. 1,463,651; July 31.
- Jardee, Minniafee J., and R. J. Cowell, St. Joseph, Mo. Oil burner. 1,463,652; July 31.
- Jefferson, Benjamin H., and W. I. Kirk, assignors, by mesne assignments, to Lyon & Healy, Inc., Chicago, Ill. Pedal device for pianos and for other purposes. 1,463,166; July 31.
- Jenson, Louis J., Fort Collins, Colo. Hay sweep. 1,463,584; July 31.
- Johnson, Albert E., and M. E. Johnson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Wetting machine. 1,463,214; July 31.
- Johnson, Clarence A., Luther, Okla. Gear-assembling device. 1,463,269; July 31.
- Johnson, Merton E. (See Johnson, Albert E. and M. E.)
- Johnson, Joseph, Lebanon, Pa. Chain-making apparatus. 1,463,469; July 31.
- Johnson, Joseph W., and J. W. Nolde, Newburgh, N. Y. Combined curtain support and shade holder. 1,463,702; July 31.
- Johnson, Ross H., St. Paul, Minn. Display device. 1,463,470; July 31.
- Johnston, Andrew L., jr., Richmond, Va., assignor, by mesne assignments, to Off'n'On Chain Corporation, New York, N. Y. Wire chain link. 1,463,281; July 31.
- Johnston, Andrew L., jr., assignor, by mesne assignments, to Off'n'On Chain Corporation, New York, N. Y. Wire chain link. 1,463,282; July 31.
- Jones, Alva A. (See Tallman, G. L., and Jones.)
- Jones, Louis W., Baltimore, Md. Temperature regulator for cooling systems of internal-combustion engines. 1,463,510; July 31.
- Joslin, A. D., Manufacturing Co. (See Sheras, Morris, assignor.)
- Kadel, Byers W., Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y. Composite car framing. 1,463,703; July 31.

- Kadel, George W., Dallas, Tex. Landing carriage for aeroplanes. 1,463,471; July 31.
- Kaiser, John N. (See Frey, J. H., and Kaiser.)
- Kasdan, Nathan, New York, and D. Pollack, Brooklyn, N. Y., assignors to Majestic Machine & Tool Co., Inc., New York, N. Y. Vanity box. 1,463,472; July 31.
- Keith, Henry M., West Frankfort, Ill. Brushing machine. 1,463,705; July 31.
- Kellogg, Charles B., Chicago, Ill. Display card. 1,463,585; July 31.
- Kellogg Switchboard and Supply Company. (See Ide, Harry H., assignor.)
- Kellogg Switchboard and Supply Company. (See Sparks, Charles, assignor.)
- Kelly, Timothy J. (See Pearson, W. H., and Kelly.)
- Kennedy, George C., Waterloo, Iowa. Shoe ornament. 1,463,531; July 31.
- Kent, Leslie H., Stanmore, and S. Augustine de Normanville, London, England. Windshield. 1,463,704; July 31.
- Kent Machine Company, The. (See Janson, August W., assignor.)
- Ketchum, W. Le Roy, Bridgeport, Conn. Swivel. 1,463,706; July 31.
- Keyes, Henry E., Philadelphia, Pa. Hammer. 1,463,167; July 31.
- Kidney, Willis E., assignor to The Cleveland Electric Machine & Mfg. Co., Cleveland, Ohio. Power-driven grinder. 1,463,324; July 31.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,463,325; July 31.
- Kimble Glass Company. (See Halversen, Hans N., assignor.)
- King Electric Manufacturing Company. (See King, Vernon F., assignor.)
- King, Vernon F., Tonawanda, assignor to King Electric Manufacturing Company, Inc., Buffalo, N. Y. Alternating-current rectifier. 1,463,779; July 31.
- Kintzing, Reese T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,463,168; July 31.
- Kirk, Walter I. (See Jefferson, B. H., and Kirk.)
- Klages, George W. (See Stroth, W. Y., and Klages.)
- Kliesrath, Victor W., East Orange, N. J., assignor of one-half to C. S. Bragg, Cincinnati, Ohio. Internal-combustion engine. 1,463,586; July 31.
- Knapp, Frederick H., Baltimore, Md. Husking machine. 1,463,864; July 31.
- Knowles, Abram A., Canyon Ferry, Mont. Motor sleigh. 1,463,395; July 31.
- Knudtson, Edward G., Stanton, Nebr., assignor to W. Becker, Sidney, Nebr. Hog holder and pig puller. 1,463,776; July 31.
- Koch, Lydia B. (See Oliver, Ruth M., assignor.)
- Kofsky, Henry M., Philadelphia, Pa. Arm for lighting fixtures. Des. 62,781; July 31.
- Koger, Wesley N., Philadelphia, Pa. Street-cleaning machine. 1,463,707; July 31.
- Kositzky, Carl R., Bismarck, N. Dak. Automobile turning signal. 1,463,425; July 31.
- Krase, Norman W., Clarendon, Va., and V. L. Gaddy, Dillon, S. C. Condenser. 1,463,216; July 31.
- Kratz, Franz, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Elastic Oldham coupling. 1,463,396; July 31.
- Krause, Albert F., assignor to General Specialty Company, Buffalo, N. Y. Boiler-tube cleaner. 1,463,587; July 31.
- Kreisinger, Henry, Pittsburgh, Pa., assignor to Combustion Engineering Corporation. Burning pulverized fuel. 1,463,283; July 31.
- Krichbaum, William F., Irvington, N. J. Automatic air valve for internal-combustion engines. 1,463,532; July 31.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Display sign. 1,463,326; July 31.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Miniature parking sign. 1,463,217; July 31.
- Kuhn, Louis, assignor to American Candy Co., Milwaukee, Wis. Paper carton. Des. 62,782; July 31.
- Kurtz, Christian A., Jr., Dayton, Ohio. Golf club. 1,463,533; July 31.
- La Bour, Harry E., Chicago, Ill. Means for packing rotating shafts and the like. 1,463,365; July 31.
- Lambert Tire & Rubber Co. (See Reitt, Carl E., assignor.)
- Landis, John O., Waynesboro, Pa. Manicure implement. Re15,663; July 31.
- Lane, George A., assignor of one-half to I. A. Chappell and one-half to J. C. Hayes, Lorain, Ohio. Inner tube. 1,463,742; July 31.
- Lane, John J., Baltimore, Md. Cabinet. 1,463,511; July 31.
- Laufair, Ernest L., Sawtelle, Calif. Closure plug. 1,463,426; July 31.
- Lang, James S., Watertown, Mass. Shock absorber. 1,463,284; July 31.
- Lankston, Walter D., Robinson, Ill. Dump-body vehicle. 1,463,743; July 31.
- Lapidus, Leon, Brooklyn, N. Y. Auto rear signal lamp. Des. 62,783; July 31.
- Lapointe, Francis J., Ann Arbor, Mich. Broaching tool. 1,463,473; July 31.
- Larsen, Louis B., and O. J. Holmes, Chicago, Ill. Film winding and delivery means for motion-picture devices. 1,463,620; July 31.
- Lasater, Lura A., Houston, Tex. Belt. 1,463,553; July 31.
- Lathey, Sumner. (See Reed, William A., assignor.)
- Lauritzen, Alfred and V., Laeken-Brussels, Belgium. Safety device against the theft of motor cars. 1,463,218; July 31.
- Lauritzen, Victor. (See Lauritzen, Alfred and V.)
- Lauterbur, Frank X., Sidney, Ohio. Mixing machine. 1,463,744; July 31.
- Lavers, Charles W., Halifax, Nova Scotia, Canada. Detachable shoe heel of the plate type. 1,463,427; July 31.
- Lavers, Charles W., Halifax, Nova Scotia, Canada. Detachable shoe heel of the embedded-washer type. 1,463,428; July 31.
- Lavie, Charles, Syracuse, N. Y. Garment-pressing machine. 1,463,397; July 31.
- Lawrenz, Emil, Detroit, Mich. Ruling pen. 1,463,285; July 31.
- Layne, James W., Danville, Va. Scraper. 1,463,745; July 31.
- Lazier, Arthur A., Buffalo, N. Y. Timing device for internal-combustion engines. 1,463,474; July 31.
- Leach, William W., Mansfield, Ohio. Crate. 1,463,512; July 31.
- Leake, Thomas S., San Francisco, Calif. Tractor. 1,463,366; July 31.
- Ledoux, Victor, New Bedford, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle. 1,463,286; July 31.
- Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Electric furnace. 1,463,513; July 31.
- Lehman, John G., assignor to Bethlehem Foundry & Machine Company, Bethlehem, Pa. Temperature control of kettles by zones. Re. 15,665; July 31.
- Leipert, August II. (See Masury, A. F., and Leipert.)
- Lenté, Jacques, assignor to Société Anonyme d'Escaut & Meuse, Paris, France. Manufacture of return connections. 1,463,762; July 31.
- Lenz, Nicholas. (See Majer, J. Lenz, and Radmer.)
- Lewis, George C., Philadelphia, Pa. Hair curler. 1,463,746; July 31.
- Lewis, Otto L., Chicago, Ill. Power-transmission clutch. 1,463,327; July 31.
- Lewis, Otto L., Chicago, Ill. Gear-shifting device for transmissions. 1,463,328; July 31.
- Libbey, C. A., Co. (See Rasmussen, Robert F., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Callard, Robert P., assignor.)
- Libbey-Owens Sheet Glass Company, The. (See Soubier, Leonard D., assignor.)
- Lichtenberg, Fred, and M. M. McCarthy, Yonkers, N. Y. Floor slab. 1,463,621; July 31.
- Lidgerwood Manufacturing Company et al. (See Swan, E. D., and Manges, assignors.)
- Lifton, Samuel H., Brooklyn, N. Y. Brief case. 1,463,270; July 31.
- Lilienfeldt, Gustav, New York, N. Y. Detachable shoe sole and heel. 1,463,514; July 31.
- Loew, Charles H., and J. R. Gruetter, Lakewood, Ohio. Bottle-cleaning apparatus. 1,463,763; July 31.
- Loewe, Siegmund, Berlin, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic translating device. 1,463,475; July 31.
- Logan, Malcolm D., Los Angeles, Calif. Tire shoe. 1,463,429; July 31.
- Long, John E., Edgerton, Ohio. Leveling device. 1,463,515; July 31.
- Longacre, Harry, Brooklyn, N. Y. Tobacco pipe. 1,463,398; July 31.
- Longbottom, Charles A., Worksop, and Frederick L. Duffield, Brassington, England. Manufacture of refractory products from dolomite. 1,463,399; July 31.
- Longyear, John M., Jr. (See Genett, Louis J., assignor.)
- Loomis, Rockwell A., Guatemala, Guatemala. Sharpening implement. 1,463,653; July 31.
- Löwinger, Karl, Moravska Ostrava, Czechoslovakia. Valve. 1,463,169; July 31.
- Lowman, Roy L., Buckhannon, W. Va., assignor of one-half to H. C. Dodge. Detonating fuse. 1,463,747; July 31.
- Lummer, Fred, Milwaukee, Wis. Clamp-bolt lock. 1,463,622; July 31.
- Lutz, Herbert, assignor to G. Morris, Hamilton, Ontario, Canada. Shock absorber. 1,463,219; July 31.
- Lyon & Healy, Inc. (See Jefferson, B. H., and Kirk, assignors.)
- McCarthy, Daniel J., Elgin, assignor to Chicago Railway Signal and Supply Company, Chicago, Ill. Light-projecting apparatus. 1,463,623; July 31.
- McCarthy, Michael M. (See Lichtenberg, F., and McCarthy.)
- McColl, Irvine, Grand Rapids, Mich. Receptacle or package. 1,463,516; July 31.
- McLane, Joseph A., assignor to The Armocord Rubber Company, Morgantown, W. Va. Making reinforced inner tubes for tires. 1,463,708; July 31.
- McMurtry, Ashley L., Dunnville, Ontario, Canada. Automobile signal. 1,463,430; July 31.

- McNulty, Arthur E., Bangor, Me. Pneumatic jack. 1,463,654; July 31.
- Mabee, Elliott B., Brooklyn, N. Y. Illuminating device for the examination of negatives. 1,463,624; July 31.
- Macdonald, Charles H., Montclair, and L. L. Salfsberg, assignors to Ivers-Lee Company, Newark, N. J. Coating device. 1,463,476; July 31.
- MacGill, Charles F., Cambridge, Mass. Fluid-registering mechanism. 1,463,534; July 31.
- Mackey, Albert G., Washington, D. C., assignor to The Automatic Company. Match-box attachment. 1,463,517; July 31.
- MacLellan, Angus D., assignor to MacLellan Mixer Company, Owensboro, Ky. Percentage feeder. 1,463,777; July 31.
- MacLellan Mixer Company. (See MacLellan, Angus D., assignor.)
- Madsen, Martin, Casmalia, Calif. Window-polishing device. 1,463,477; July 31.
- Madsen, Mathias O. S., assignor to O. K. Heesch, Aarhus, Denmark. Automatic electric meter. 1,463,170; July 31.
- Maier, Jacob, N. Lenz, and C. E. Radmer, Milwaukee, Wis. Cream separator for milk containers. 1,463,625; July 31.
- Majestic Machine & Tool Co. (See Kasden, N., and Polack, assignors.)
- Manges, Duff G. (See Swan, E. D., and Manges.)
- Marble, William B., Los Angeles, Calif., assignor to Southern Glass Company. Bottle. Des. 62,784; July 31.
- Marble, William B., Los Angeles, Calif., assignor to Southern Glass Company. Bottle. Des. 62,785; July 31.
- Marchant, Rodney H. (See Bogard, Frank T., assignor.)
- Marrazzo, Antony, New York, N. Y. Agitating machine. 1,463,626; July 31.
- Marsh, Willard E., Memphis, Tenn. Tent shelter. 1,463,220; July 31.
- Martin, Charles H., Los Angeles, Calif. Individual sheet and envelope separators for pneumatic feeders. 1,463,329; July 31.
- Martin, Frederick T., assignor of one-half to J. J. Gallagher, Merion, Pa. Valve-spring lifter. 1,463,709; July 31.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Party-line telephone system. 1,463,271; July 31.
- Maryland Trust Company, trustee. (See Black, S. D., and Decker, assignors.)
- Massillon Foundry & Machine Company. (See Paul, Stephen, assignor.)
- Mastin, Walter C., San Antonio, Tex. Bib overalls. 1,463,748; July 31.
- Masury, Alfred F., and A. H. Leipert, assignors to International Motor Company, New York, N. Y. Cushion connection for vehicle springs. 1,463,655; July 31.
- Matson, Ralph C., Portland, Oreg. Photographic film and plate holder. 1,463,710; July 31.
- Mauvais, Ernest, assignor to Multi-Copy Writer Corporation, Ltd., Seattle, Wash. Multicopy writer. 1,463,478; July 31.
- May, Harold N., New Orleans, La. Adjustable curtain carrier. 1,463,711; July 31.
- Mayer, Carl A., assignor to American Bosch Magneto Corporation, Springfield, Mass. Timing mechanism. 1,463,367; July 31.
- Mazzei, Charles A., Detroit, Mich. Bank-protecting device. 1,463,368; July 31.
- Mead, Albert R., Newark, N. J. Priming device. 1,463,712; July 31.
- Mead, George J., Glen Rock, N. J. Valve-operating mechanism. 1,463,171; July 31.
- Mealey, Merl B. (See Olson, E. H., Clark, Mealey, and Pelter.)
- Measuragraph Company, The. (See Pedersen, Johannes T., assignor.)
- Menasha Wooden Ware Co. See Cooper, Simon, assignor.)
- Mendenhall, Austin A., Duluth, Minn. Resilient wheel. 1,463,369; July 31.
- Meng, Arthur, Cleveland, Ohio. Ring-display holder. Des. 62,786; July 31.
- Meyer, Henry, Detroit, Mich. Water-treading apparatus. 1,463,330; July 31.
- Michael, Thomas E. (See Schonsteiner, G., and Michael.)
- Miehle Printing Press and Manufacturing Company. (See Stevens, B. D., and Dudley, assignors.)
- Miehle Printing Press & Manufacturing Company. (See Stevens, B. D., Henderson, and Saxon, assignors.)
- Miller, Abraham, New York, N. Y. Lighting-fixture suspension strap. Des. 62,787; July 31.
- Miller, Abraham, New York, N. Y. Lighting-fixture arm. Des. 62,788; July 31.
- Miller-Chapman Company. (See Chapman, Earle E., assignor.)
- Miller, John A. and W. D. Brighthouse, England. Variable-speed gear. 1,463,287; July 31.
- Miller, William W. (See Eanes, Hugh P., assignor.)
- Miller, William D. (See Miller, John A. and W. D.)
- Miller, William W., Martinsville, Va. Doffing and donning mechanism. 1,463,479; July 31.
- Miller, Wyman A., et al. (See Ulrich, Carl J., assignor.)
- Milnoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Carton-sealing mechanism. 1,463,627; July 31.
- Miner, Harry, Minneapolis, Minn. Vehicle turning signal. 1,463,331; July 31.
- Miner, James H., Meridian, Miss. Saw tooth. 1,463,480; July 31.
- Mintz, Moses J., New York, N. Y. Music cue sheet for motion pictures. 1,463,288; July 31.
- Mitchell, Alexander, Pueblo, Colo., assignor of one-half to S. Dobin. Convertible desk. 1,463,289; July 31.
- Mitchell, Oliver, Brookline, Mass., assignor to The Murray Company, Dallas, Tex. Trampler. 1,463,221; July 31.
- Mohrmann, Paul, assignor to Friedley Voshardt Co., Chicago, Ill. Lighting fixture. Des. 62,789; July 31.
- Mologne, Lewis A., Smithton, Pa. Window lock. 1,463,222; July 31.
- Monahan, Richard C., Watertown, assignor to National Machine & Tool Company, Boston, Mass. Machine tool. 1,463,764; July 31.
- Monk, Thomas, Bridgeport, Conn., assignor to The American Fabrics Company. Lace. Des. 62,790; July 31.
- Moore, George C. and T. F., Westerly, R. I. Elastic woven fabric. Des. 62,791; July 31.
- Moore, Osborne L., Jefferson, Mo. Index for numbers. 1,463,656; July 31.
- Moore, Thomas F. (See Moore, George C. and T. F.)
- Moore, William G., Omaha, Nebr. Invertible desk cabinet. Des. 62,792; July 31.
- Morley, William M., Westminster, England. Electromagnetic separation or concentration of minerals. 1,463,713; July 31.
- Morris, George. (See Lutz, Herbert, assignor.)
- Morrison, Vaughn E., assignor of one-half to C. F. Beckwith, Detroit, Mich. Fuel economizer. 1,463,481; July 31.
- Moulder, Harry G., Kansas City, Mo. Amusement device. 1,463,290; July 31.
- Mountford, William J., Macon, assignor of one-half to J. D. Bowden, Atlanta, Ga. Securing shingles to roofs. 1,463,482; July 31.
- Mt. Carmel Manufacturing Company, The. (See Somers, William A., assignor.)
- Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
- Mueller, Jacob L., York, Pa. Chain-welding machine. 1,463,714; July 31.
- Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Integral stop. 1,463,370; July 31.
- Mühlow, Jöns, Malmö, Sweden. Base for posts, flagstaves, and the like. 1,463,715; July 31.
- Multi-Copy Writer Corporation, Ltd. (See Mauvais, Ernest, assignor.)
- Mumford, Frank L., Toledo, Ohio. Check-valve control means for pistons. 1,463,628; July 31.
- Mun-Keel Products Corporation. (See Munson, Whitney K., assignor.)
- Mundy, James M., Brooklyn, N. Y. Means for securing tires to vehicle wheels. 1,463,291; July 31.
- Munn, William B., assignor of one-half to M. Jacobs, Memphis, Tenn. Package-wrapping machine. 1,463,716; July 31.
- Munn, William B., assignor of one-half to M. Jacobs, Memphis, Tenn. Convertible worktable. 1,463,717; July 31.
- Munson, Whitney K., assignor to Mun-Keel Products Corporation, Los Angeles, Calif. Stamp pad. 1,463,718; July 31.
- Murphy Iron Works. (See Bigelow, Frank B., assignor.)
- Murray Company, The. (See Mitchell, Oliver, assignor.)
- Murray Company, The. (See Woodford, Bronson C., assignor.)
- Nass, Hugh P. (See Neft, I., and Nass.)
- National Auto Devices Company. (See Conger, Charles A., assignor.)
- National Machine & Tool Company. (See Monahan, Richard C., assignor.)
- National Sales Machine Company. (See Reith, George C., assignor.)
- Nebel, Ernst O., Philadelphia, Pa. Lace attachment for knitting machines. 1,463,719; July 31.
- Neft, Isidore, and H. P. Nass, Seattle, Wash. Protective curtain. 1,463,431; July 31.
- Negro, Luigi, Bucharest, Rumania. Universal cutting and kneading machine. 1,463,720; July 31.
- Nelson, Nels T., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Buckle. 1,463,657; July 31.
- Neumann, Carl, New York, N. Y. Collar-button hook. 1,463,400; July 31.
- New Jersey Patent Company. (See Warner, Selden G., assignor.)
- Newman, Samuel, Cincinnati, Ohio. Belt attachment. 1,463,172; July 31.
- Newport, Calvin C., assignor to Des Moines Incubator Company, Des Moines, Iowa. Sectional grain sprouter. 1,463,223; July 31.
- Newton, Richard T., New York, N. Y. Lubricating device. 1,463,765; July 31.
- Newton, Richard T., New York, N. Y. Shock eliminator. 1,463,766; July 31.
- Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube apparatus. 1,463,482; July 31.
- Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling. 1,463,483; July 31.

- Nihoul, Armand, Villeneuve-le-Roi and C. Clere, Paris, France. Manufacture of zinc white. 1,463,483; July 31.
- Nitrogen Corporation, The. (See Arnold, E. H., and Wakeford, assignors.)
- Nixon, Moses C., Chicago, Ill. Windmill. 1,463,434; July 31.
- Nobis, Harry M., East Cleveland, Ohio. Method of and apparatus for smoke prevention. 1,463,629; July 31.
- Nolde, John W. (See Johnson, J. W., and Nolde.)
- Norrel, Anders, Zurich, Switzerland. Apparatus for truing up commutators, hip rings, drums, and the like. 1,463,224; July 31.
- North, Ray A., assignor to E. P. Smith, Green Bay, Wis. Pulp dehydrator. 1,463,721; July 31.
- Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Thread-partner mechanism. 1,463,225; July 31.
- Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Take-up mechanism for looms. 1,463,226; July 31.
- Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Feeler loom. 1,463,292; July 31.
- Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Automatic loom. 1,463,435; July 31.
- Nowosiński, Edward B., Bloomfield, N. J., assignor to Splitdorf Electrical Company, New York, N. Y. Electric-generator-operating means. 1,463,436; July 31.
- Nutter, Karl I., Martinsville, Ind. Demountable wheel rim. 1,463,588; July 31.
- O'Boyle, Hugh J., San Antonio, Tex. Panel for lamp shades. 1,463,722; July 31.
- Off'N'On Chain Corporation. (See Johnston, Andrew L., jr., assignor.)
- Oliver, Ruth M., assignor to Mrs. L. B. Koch, New York, N. Y. Paper milk bottle. 1,463,437; July 31.
- Olsen, Benjamin B., Marshalltown, Iowa. Air heater. 1,463,484; July 31.
- Olsen, Nels, San Leandro, Calif. Carbonizing furnace. 1,463,438; July 31.
- Olson, Edward H., J. C. H. Clark, and M. B. Mealey, Walla Walla, Wash., and C. Pelter, Oregon City, Oreg. Automatic train-controlling apparatus. Re15,664; July 31.
- Oshorn, Alden E., New York, N. Y. Motor vehicle. 1,463,371; July 31.
- Ostmeier, Edward. (See Breitling, E., and Ostmeier.)
- Otis Elevator Company. (See Sneed, Herbert S., assignor.)
- Otsuki, Kisaburo, Fulton, Calif. Storing and preserving cabinet. 1,463,723; July 31.
- Ouzoun-Boghossian, Sissag K., Heliopolis, Egypt. Watch-movement case. Des. 62,793; July 31.
- Packard Electric Company. (See Baker, Carey W., assignor.)
- Paddock, Lawrence S., Philadelphia, Pa. Detachable arm-rest for automobiles or the like. 1,463,293; July 31.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Des. 62,794; July 31.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Des. 62,795; July 31.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Des. 62,796; July 31.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Des. 62,797; July 31.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Des. 62,798; July 31.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Des. 62,799; July 31.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Des. 62,800; July 31.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Des. 62,801; July 31.
- Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lacey, Des. 62,802; July 31.
- Palmer, E. G. (See Townsend, Floyd E., assignor.)
- Paramount Rubber Consolidated. (See Zappia, Domenic, assignor.)
- Parks, Ostrander J., River Forest, assignor to General American Tank Car Corporation, Chicago, Ill. Box car. 1,463,173; July 31.
- Parker, John C., Philadelphia, Pa. Steam-generator fitting. 1,463,658; July 31.
- Parker, Lee H., Boston, and H. W. Day, Wollaston, assignors to Spray Engineering Company, Boston, Mass. Apparatus for applying coating. 1,463,332; July 31.
- Parker, Leslie O. (See Hillmer, M. L., and Parker.)
- Parkhouse, Albert W. (See Hooper, C. L., Sutherland, and Parkhouse.)
- Paterson, George, and C. Thew, assignors to R. & W. Hawthorn, Leslie & Company, Limited, Newcastle-upon-Tyne, England. Oil-flow indicator for gear-case sprayers. 1,463,174; July 31.
- Patent Button Company, The. (See White, Franklin R., assignor.)
- Paul, Joseph M., Rice Lake, Wis. Flytrap. 1,463,659; July 31.
- Paul, Stephen, Lansing, Mich., assignor, by mesne assignments, to The Massillon Foundry & Machine Company, Massillon, Ohio. Adjustable guide for hammers. Re15,666; July 31.
- Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Lever. 1,463,333; July 31.
- Pearson, William H., and T. J. Kelly, Passaic, N. J., assignors to Brighton Mills. Machine for and method of uniting threads or cords. 1,463,401; July 31.
- Peck, William J., White River Junction, Vt., and E. R. Chase, West Lebanon, N. H. Signal. 1,463,439; July 31.
- Pedersen, Johannes T., Flushing, N. Y., assignor, by mesne assignments, to The Measuregraph Company. Adjusting measuring machines. 1,463,589; July 31.
- Pedersen, Julius, Bridgeport, Conn. Windshield cleaner. 1,463,590; July 31.
- Pelter, Charles. (See Olson, E. H., Clark, Mealey, and Pelter.)
- Perfect Projector Machine Company, The. (See Blankenberg, William J., assignor.)
- Peterson, Edwin A., Madison, Wis., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,463,535; July 31.
- Peterson, Henry, Hamilton, Mont. Agricultural implement. 1,463,485; July 31.
- Petzold, Julius A., assignor to Children's Bed Cover Fastener Company, Kansas City, Mo. Adjustable bed-cover fastener. 1,463,402; July 31.
- Peyron, Julius J. (See Ryan, Michael H., assignor.)
- Pfaffenberger, Oliver P. M., Indianapolis, Ind. Liquid-measuring device. 1,463,591; July 31.
- Phelan, Hazel, executrix. (See Gould, Augustus W.)
- Piaszek, Ferdinand, Saginaw, Mich. Lens. Des. 62,803; July 31.
- Pichler, Stephen, Detroit, Mich. Testing device. 1,463,440; July 31.
- Pickard, Birtrun L., Los Angeles, Calif. Adhesive paste. 1,463,403; July 31.
- Pidgeon, Andrew D., Chicago, Ill. Shock absorber for automobiles. 1,463,660; July 31.
- Pierman, Alexander N., Newark, N. J. Mounting for stems of crystal detectors. 1,463,554; July 31.
- Pike, Richard, St. Johns, Newfoundland. Propeller. 1,463,441; July 31.
- Pittsburgh Transformer Company. (See Bingay, Robert V., assignor.)
- Pokorny, Anton, Wyndmere, N. Dak. Grain-car door. 1,463,724; July 31.
- Pollak, Charles, Hancock, Mich. Device for preventing leaks. 1,463,749; July 31.
- Pollack, Daniel. (See Kasden, N., and Pollack.)
- Poppin, David, Malden, Mass. Method and means for making upholstered furniture. 1,463,334; July 31.
- Posson, Edward, Chicago, Ill. Yoke-key support. 1,463,555; July 31.
- Poulsen, Edward P., Mendham, N. J. Mop wringer. 1,463,750; July 31.
- Powell, A. L., Power Co., The. (See Powell, Alvah L., assignor.)
- Powell, Alvah L., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont. Mechanical igniter. 1,463,751; July 31.
- Powers, William E. (See Brown, Harry P., assignor.)
- Presbrey, Otis F., Brooklyn, N. Y. Grinding machine. 1,463,335; July 31.
- Pryor, Joseph F., Houghton, Mich. Extensible, reversible, and self-sharpening dipper tooth. 1,463,725; July 31.
- Quan, Harry K., New York, N. Y. Bottle. Des. 62,804; July 31.
- Radmer, Clarence E. (See Maier, J., Lenz, and Radmer.)
- Ragan, Frederick H., Detroit, Mich. Power press. 1,463,272; July 31.
- R. & W. Hawthorn, Leslie & Company. (See Paterson, G., and Thew, assignors.)
- Rankin, William A., Oak Park, Ill., assignor to Edison Electric Appliance Co., Inc. Electric heater. 1,463,630; July 31.
- Rasch, Ludvik, Christiania, assignor to Aktieselskapet Turbo-Separator, Drammen, Norway. Separating disks in centrifugal separators. 1,463,752; July 31.
- Rasmussen, Robert F., assignor to C. A. Libbey Co., Oshkosh, Wis. Leading staff. 1,463,175; July 31.
- Redfield, John V., Grosse Pointe, assignor to Central Station Steam Company, Detroit, Mich. Condensation-meter counterhousing. 1,463,404; July 31.
- Redington, F. B., Company. (See Milmoie, Michael J., assignor.)
- Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
- Reed, Sylvanus A., New York, N. Y. Aeronautical propeller. 1,463,556; July 31.
- Reed, William A., assignor of one-half to S. Lathey, Springfield, Ohio. Shoe-last stand. 1,463,753; July 31.
- Reith, George C., Philadelphia, Pa., assignor, by mesne assignments, to National Sales Machine Company, Worcester, Mass. Coin vending machine. 1,463,486; July 31.
- Remillard, Joseph O., assignor of one-third to A. Gorman and one-third to J. A. H. Cameron, Montreal, Quebec, Canada. Nonsplash bottle opener. 1,463,536; July 31.
- Remington Typewriter Company. (See Seib, George A., assignor.)
- Remy Electric Company. (See Conklin, Oliver F., assignor.)
- Remy Electric Company. (See Hillmer, Max L., assignor.)

- Rett, Carl E., Akron, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Manufacturing tires. 1,463,754; July 31.
- Reusch, Walter, assignor to Electric Sealing Machine Corporation, New York, N. Y. Electric sealing device. 1,463,336; July 31.
- Reynolds, De Elbert A. (See Reynolds, Egbert A., and D. A.)
- Reynolds, Egbert A., Yonkers, N. Y., and D. A. Reynolds, West Hoboken, N. J., assignors, by mesne assignments, to Audiphone Company of America, New York, N. Y. Sound-reproducing instrument. 1,463,372; July 31.
- Richards, James N., W. H. Westman and A. D. Westman, Chatham, Ontario, Canada. Mounting steering wheel. 1,463,487; July 31.
- Richter, Edmund. (See Eisselt, Ferdinand E. G., assignor.)
- Riley, Robert S., assignor to Sanford Riley Stoker Co., Worcester, Mass. Underfeed stoker. 1,463,337; July 31.
- Robert Bosch Aktiengesellschaft. (See Kratz, Franz, assignor.)
- Robinson, Elizabeth A., Scranton, Pa. Ventilating apparatus for Pullman cars. 1,463,294; July 31.
- Robinson, William V., assignor to The Independent Stove Co., Owosso, Mich. Gas burner. 1,463,592; July 31.
- Roeser, Harry C., Chicago, Ill. Navigating instrument. 1,463,373; July 31.
- Ronders, John J., Monongah, W. Va. Railway switch. 1,463,227; July 31.
- Rosenbloom, Samuel, Lowell, Mass. Auxiliary spring attachment for spring bed bottoms. 1,463,295; July 31.
- Ross, James, assignor to Advance-Rumely Company, LaPorte, Ind. Tractor-frame construction. 1,463,593; July 31.
- Rust, Robert R., New York, N. Y. Metal-twisting mechanism. 1,463,594; July 31.
- Ruth, Joseph P., Jr., Denver, Colo. Flotation apparatus. 1,463,405; July 31.
- Ruttman, Ernst, Stuttgart, Germany. Ricochet ball game. 1,463,726; July 31.
- Ryan, Michael H., assignor of one-tenth to J. J. Peyron, San Bernardino, Calif. Air-brake emergency check valve. 1,463,767; July 31.
- Salfsberg, Leroy L. (See Macdonald, C. H., and Salfsberg.)
- Samuel, Albert, Paris, France. Envelope, postal wrapper, or the like. 1,463,442; July 31.
- Sanford Riley Stoker Co. (See Riley, Robert S., assignor.)
- Saunders, Samuel R., Green Bay, assignor of one-half to J. Hendricks, South Kaukauna, Wis. Air-cooled cylinder. 1,463,595; July 31.
- Sauveur, Albert, Cambridge, Mass. Manufacturing wrought iron. 1,463,228; July 31.
- Saxon, William. (See Stevens, B. D., Henderson, and Saxon.)
- Schade, James W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Transmission belt. 1,463,596; July 31.
- Schildge, George K., assignor to The Hartford Special Machinery Company, Hartford, Conn. Chuck. 1,463,176; July 31.
- Schocket, Abraham, New York, N. Y. Vanity case. Des. 62,805; July 31.
- Scholz, Katharina, Freiheit, Bohemia, Czechoslovakia. Obstetric apparatus. 1,463,177; July 31.
- Schonsteiner, Gottlieb, and T. E. Michael, Pittsburgh, Pa. Suction support for bootblack stands and the like. 1,463,631; July 31.
- Schroeder, Simon E., Oak Park, Ill. Screw-feeding device. 1,463,338; July 31.
- Schuermann, Anton C. (See Mueller, P., and Schuermann.)
- Schuetz, Henry, Pittsburgh, Pa. Combination tool. 1,463,374; July 31.
- Schwenker, Charles F., Schenectady, N. Y., assignor to General Electric Company. Packing. 1,463,488; July 31.
- Scott, Walter M., Lakewood, and R. E. Tresise, Cleveland, Ohio. Electric measuring instrument. 1,463,597; July 31.
- Sealed Case Company. (See Shellenberger, John, assignor.)
- Seaman, David J., Saginaw, Mich. Curtain suitable for use in store fixtures. 1,463,598; July 31.
- Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,463,599; July 31.
- Selby-Fayers, William, and E. R. Gates, Surrey, assignors to The West Surrey Central Dairy Company, Limited, Guildford, England. Opening device for closed or sealed tins and containers. 1,463,443; July 31.
- Sellers, John M., Downers Grove, assignor to Sellers Manufacturing Company, Chicago, Ill. Balling scrap metal. 1,463,339; July 31.
- Sellers Manufacturing Company. (See Sellers, John M., assignor.)
- Serrell, William C., Syracuse, and C. E. Widmeyer, Beaver Falls, N. Y. Motor support. 1,463,406; July 31.
- Sevens, Richard S., Delanco, N. J. Composition shingle. 1,463,632; July 31.
- Shackleford, Benjamin E., East Orange, N. J., assignor to Westinghouse Lamp Company. Electric incandescent lamp. 1,463,178; July 31.
- Shannon, Leon W., Hiawatha, Kans. Developing apparatus. 1,463,489; July 31.
- Sharp, Albert and G., Bayonne, N. J. Adjustable forming outlet nozzle. 1,463,407; July 31.
- Sharp, George. (See Sharp, Albert and G.)
- Shelby Shoe Company. (See Gordon, Hiram, assignor.)
- Shellenberger, John, Rome, Ga., assignor to Sealed Case Company. Machine for making boxes and crates. 1,463,727; July 31.
- Sheras, Morris, assignor to A. D. Joslin Manufacturing Co., Chicago, Ill. Band dating stamp. 1,463,340; July 31.
- Sherman, Alton H. (See Combs, Wilbur M., assignor.)
- Shields, Willie A., Birmingham, Ala. Combination tool. 1,463,375; July 31.
- Shuster, Irving C., Newark, N. J. Fixture for brake rods. 1,463,557; July 31.
- Sibley, Richard C., Boston, Mass. Freight-transferring system. 1,463,558; July 31.
- Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Thallmayer, Ludwig, assignor.)
- Signal Gesellschaft m. b. H. (See Hahnemann, Walter, assignor.)
- Silver, Walter H., assignor to Deere & Company, Moline, Ill. Wheel plow. 1,463,376; July 31.
- Simmons Company. (See Stuart, Charles A., assignor.)
- Simmons, Harry, Spokane, Wash. Shield. Re15,667; July 31.
- Simmons, Harry C. (See Heffler, Philip, assignor.)
- Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 1,463,229; July 31.
- Simon, Harry, New York, N. Y., assignor to Sitroux Importing Company, Inc. Receiptacle. 1,463,296; July 31.
- Simpson, Emory G., assignor to Fisher Body Corporation, Detroit, Mich. Removable window guide. 1,463,444; July 31.
- Sinclair, Peter D., Marion, N. C. Vehicle transmission gear. 1,463,728; July 31.
- Singer Manufacturing Company, The. (See Drake, John J., assignor.)
- Singer Manufacturing Company, The. (See Gray, Charles F., assignor.)
- Sitroux Importing Company. (See Simon, Harry, assignor.)
- Skoglund, Albert. (See Bore, J., and Skoglund.)
- Slider, George, Baltimore, Md. Clutch mechanism. 1,463,490; July 31.
- Smalley, Edwin L., East Orange, N. J. Sectional electric furnace. 1,463,559; July 31.
- Smith, Benjamin C., Westfield, assignor to Standard Motor Construction Company, Jersey City, N. J. Power-transmission mechanism. 1,463,445; July 31.
- Smith, Ellasson R., Dayton, Ohio. Restaurant room. 1,463,633; July 31.
- Smith, E. Payson. (See North, Ray A., assignor.)
- Smith, George M., assignor to Interstate Iron and Steel Company, Chicago, Ill. Cooling bed. 1,463,634; July 31.
- Smith, Owen P., Chicago, Ill. Rail switch. 1,463,560; July 31.
- Snead, Herbert S., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Safety device for elevator cars. 1,463,297; July 31.
- Snowden, Scott, Modesto, Calif. Camera. 1,463,446; July 31.
- Société Anonyme d'Escaut & Meuse. (See Lenté, Jacques, assignor.)
- Somers, William A., Hamden, assignor to The Mt. Carmel Manufacturing Company, Mount Carmel, Conn. Handle. 1,463,341; July 31.
- Sommer, John, Peoria, Ill. Tile-placing attachment for ditching machines. 1,463,561; July 31.
- Soubier, Leonard D., assignor, by mesne assignments, to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing continuous sheet glass. 1,463,273; July 31.
- Southern Glass Company. (See Marble, William B., assignor.)
- South Bend Motors Company. (See Batherick, Charles E., assignor.)
- Sparks, Charles, Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,463,600; July 31.
- Spicer, Edward, Vancouver, British Columbia, Canada. Covering for boilers, pipes, and the like. 1,463,298; July 31.
- Splittorf Electrical Company. (See Nowosielski, Edward B., assignor.)
- Splittorf Electrical Company. (See Werner, Leo J., assignor.)
- Spray Engineering Company. (See Parker, L. H., and Day, assignors.)
- Squires, Chester J., Galesburg, Ill. Push-key combination padlock. 1,463,230; July 31.
- Stake, Emil, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Ball cage for radial ball bearings. 1,463,299; July 31.
- Stackhouse, Milroy G., Tulsa, Okla., assignor to The Staset Company. Nut lock. 1,463,377; July 31.
- Stahl, Ambrose C., Detroit, Mich. Reduction-gear mechanism. 1,463,447; July 31.
- Standard Motor Construction Company. (See Smith, Benjamin C., assignor.)

- Stanford, Arthur L., Chicago, Ill. Lifting jack. 1,463,635; July 31.
- Stanley, Albert, Indianapolis, Ind. Tank filler and contents indicator. 1,463,342; July 31.
- Starck, William A. (See Hathaway, C. H., and Starck.)
- Staset Company, The. (See Stackhouse, Milroy G., assignor.)
- Stember, Bernard, New York, N. Y. Pocketbook. 1,463,729; July 31.
- Stevens, Albert G., Indianapolis, Ind. Display-case warmer. 1,463,179; July 31.
- Stephens, Henry, Cleveland, Ohio. Tie-plate rail anchor. 1,463,344; July 31.
- Stephens, Henry, assignor to The Interstate Railway Supply Company, Cleveland, Ohio. Rail anchor. 1,463,343; July 31.
- Stern, Edgar L., San Francisco, Calif. Folding box. 1,463,448; July 31.
- Stevens, Burt D., Evanston, and E. F. Dudley, Oak Park, assignors to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Mounting and operating mechanism for reciprocating beds of printing presses. 1,463,274; July 31.
- Stevens, Burt D., Evanston, C. Henderson, and W. Saxon, Oak Park, assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Offset printing press. 1,463,562; July 31.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,463,537; July 31.
- St. Louis Stove Company. (See Futral, Richard, assignor.)
- Stocks, James C., Atlanta, Ga. Shirt band and cuff button. 1,463,345; July 31.
- Stoner, Frank, Corregidor Island, and C. H. W. Aitken, assignors to W. M. Thebaut, Manila, P. I. Internal-combustion motor. 1,463,231; July 31.
- Storb Snader & Company. (See Gilfillan, Robert H., assignor.)
- Stout, Edward D., New Rochelle, assignor to Wm. H. Jackson Company, New York, N. Y. Heater. 1,463,730; July 31.
- Stover, Clinton W., Canton, Ohio. Forging insulator caps. 1,463,601; July 31.
- Stowe, Loyd R., Maplewood, Mo. Automatic stoker. 1,463,300; July 31.
- Stowe, Loyd R., Maplewood, Mo. Stoker. 1,463,301; July 31.
- Strandlund, Carl G., assignor to Deere and Company, Moline, Ill. Wheeled plow. 1,463,378; July 31.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Wheeled plow. 1,463,379; July 31.
- Stricker, William, Kansas City, Mo. Automatic food molding and wrapping machine. 1,463,636; July 31.
- Stroh, William Y., and G. W. Klages, Pittsburgh, Pa. Hammering apparatus. 1,463,180; July 31.
- Stromberg Motor Devices Company. (See Adams, Frank H., assignor.)
- Struchen, Henry C., St. Paul, Minn. Hoist for vehicle bodies. 1,463,637; July 31.
- Stuart, Charles A., assignor to Simmons Company, Kenosha, Wis. Bedstead frame. Des. 62,806; July 31.
- Stuart, Charles A., assignor to Simmons Company, Kenosha, Wis. Bedstead frame. Des. 62,807; July 31.
- Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. 1,463,602; July 31.
- Sturdy, J. F., Sons Co. (See Nelson, Nels T., assignor.)
- Sutherland, Robert F. (See Hooper, C. L., Sutherland, and Parkhouse.)
- Swan, Edwin D., East Orange, N. J., and D. G. Manges, Maryville, Tenn., assignors of one-half to Lidgerwood Manufacturing Company, New York, N. Y., and one-half to United Steel Block Corporation, Chester, Pa. Sheave block. 1,463,731; July 31.
- Swartz, William H., York, Pa., assignor to The General Machine Works. Speed-changing mechanism. 1,463,408; July 31.
- Swift & Company. (See Davis, Elmer E., assignor.)
- Symington, T. H., Company, The. (See Kadel, Byers W., assignor.)
- Taigman, Max, New York, N. Y. Electrically-controlled power transmission. 1,463,449; July 31.
- Talcott, Phineas M., Branford, Conn. Cartridge-loading press. 1,463,603; July 31.
- Tallman, Gentry L., and A. A. Jones, Shelbyville, Ill. Combined governor and commutator support for motor vehicles. 1,463,491; July 31.
- Tanguay, Joseph G., Holyoke, Mass. Lifting truck. 1,463,538; July 31.
- Taylor, Charles C. (See Davis, F. K., and Taylor.)
- Taylor, George A., Muncie, Ind. Fireless stove. 1,463,563; July 31.
- Taylor, James L., Manufacturing Co. (See Taylor, James L., assignor.)
- Taylor, James L., Poughkeepsie, assignor to James L. Taylor Manufacturing Co., New York, N. Y. Clamp. 1,463,564; July 31.
- Ternstedt Manufacturing Company. (See Heintz, Ernest E., assignor.)
- Thallmayer, Ludwig, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Reversing gear. 1,463,638; July 31.
- Thebaut, William M. (See Stoner, F., and Aitken, assignors.)
- Theiss, Mary E., Warrensburg, Mo. Emblem holder for automobile fenders. 1,463,409; July 31.
- Thew, Charlton. (See Paterson, G., and Thew.)
- Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Recording scale. 1,463,450; July 31.
- Thomas, Emory M., Buckner, Mo. Gasoline gun. 1,463,518; July 31.
- Thornburgh, Ivan D., Berkeley, assignor to American Can Company, San Francisco, Calif. Method of and apparatus for gasket lining can ends. 1,463,519; July 31.
- Thust, George J., Milwaukee, Wis. Wrapping mechanism for pasteboard boxes. 1,463,639; July 31.
- Toledo Scale Company. (See Hem, Halvor O., assignor.)
- Toledo Scale Company. (See Thomas, Edward G., assignor.)
- Townsend, Floyd E., Berkeley, assignor of one-half to E. G. Palmer, San Francisco, Calif. Car unloader. 1,463,302; July 31.
- Tresise, Raleigh E. (See Scott, W. M., and Tresise.)
- Trimmer, Moses L., Craig, Mo. Attachable hopper. 1,463,232; July 31.
- Triumph Manufacturing Company, The. (See Ward, Paul S., assignor.)
- Trosclair, Leo E., New Orleans, La. Gas-regulating valve. 1,463,451; July 31.
- Turner, Ralph C., and E. T. Alston, Seattle, Wash.; said Turner assignor to said Alston. Device for riveting half soles on pneumatic rubber tires. 1,463,732; July 31.
- Turner, Roy J., San Francisco, Calif., assignor to Efficiency File Co., Chicago, Ill. Desk organizer. 1,463,733; July 31.
- Ulrich, Carl J., Mankato, assignor of one-fourth to W. A. Miller and one-fourth to S. R. Clark, Minneapolis, Minn. Grapefruit corer. 1,463,233; July 31.
- Ulrich, John, Salt Lake City, Utah. Tree holder. 1,463,734; July 31.
- Underwood Computing Machine Company. (See Conard, Frederick U., assignor.)
- Underwood Computing Machine Company. (See Davis, F. K., and Taylor, assignors.)
- Underwood Typewriter Company. (See Hulse, William H., assignor.)
- Underwood Typewriter Company. (See Peterson, Edwin A., assignor.)
- Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
- Union Carbide Company. (See Curme, G. O., jr., and Heyn, assignors.)
- United Shoe Machinery Corporation. (See Johnson, Albert E., and M. E., assignors.)
- United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
- United Steel Block Corporation, et al. (See Swan, E. D., and Manges, assignors.)
- Universal Car and Hose Coupler Company. (See Funk, John H., assignor.)
- Universal Pattern & Model Company. (See Baker, Charles E., assignor.)
- Vacuum Oil Company. (See Hooper, C. L., Sutherland, and Parkhouse, assignors.)
- Vacuum Pulp Products Corporation. (See Cooper, Simon, assignor.)
- Vandivier, James R., Franklin, and G. R. Hunt, Terre Haute, Ind. Railway-crossing gate. 1,463,520; July 31.
- Varland, Hiram H., Des Moines, Iowa. Combined manure loader and spreader. 1,463,492; July 31.
- Varrieur, Henry O., Placerville, Calif. Combined closure and faucet for liquid containers. 1,463,735; July 31.
- Vickers Limited. (See Davis, Albert L., assignor.)
- Victor Piston Ring Co. (See Butler, Jay E., assignor.)
- Vorderwinkler, William, Roselle, N. J. Winding and reeling device. 1,463,181; July 31.
- Voss, Joseph, Manitowoc, Wis. Safety deposit box. 1,463,182; July 31.
- Wagner, Ray C., Metamora, Ill. Lock for tire chains. 1,463,604; July 31.
- Wahl, William H., Des Moines, Iowa. Radiator structure for furnaces. 1,463,410; July 31.
- Wakeford, William T. (See Arnold, E. H., and Wakeford.)
- Walker, Benjamin F., Bridgeport, Conn. Vehicle wheel. 1,463,640; July 31.
- Walker, Frederick G., Chicago, Ill. Foldable closure. 1,463,346; July 31.
- Walker, Frederick G., Chicago, Ill. Foldable closure. 1,463,347; July 31.
- Walker, Harry M., Grayburg, Tex. Check-controlled mechanism. 1,463,521; July 31.
- Walker, William L., New York, N. Y. Vault light. 1,463,452; July 31.
- Walkley, Frank H. (See Walther, G., and Walkley.)
- Wall, Ormond E., Honolulu, Hawaii. Expression device for player pianos. 1,463,234; July 31.
- Wall, Ormond E., Honolulu, Hawaii. Pneumatic control device for player pianos. 1,463,275; July 31.
- Wallington, James S., Paris, Ky. Garment supporter. 1,463,380; July 31.
- Walters, Charles A., Marion, Iowa. Carpenter's square. 1,463,605; July 31.
- Walther, George, Dayton, Ohio. Pattern for casting steel wheels. 1,463,348; July 31.

- Walther, George, and F. H. Walkley, assignors to The Dayton Steel Foundry Company, Dayton, Ohio. Wheel. 1,463,349; July 31.
- Wambach, Frederic, Greenwich, Conn. Spark-plug cleaner. 1,463,350; July 31.
- Ward, Paul S., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Whip for mixing machines. 1,463,736; July 31.
- Ward, William E., and M. J. Barre, Birmingham, England. Wood and other pulley. 1,463,641; July 31.
- Waream, Charles E., Cincinnati, and D. H. Benjamin, Cleveland Heights, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Neckband former. 1,463,606; July 31.
- Warner, Selden G., assignor to New Jersey Patent Company, West Orange, N. J. Lamp. 1,463,183; July 31.
- Warren, Dale, Sweetwater, Tex. Road sign. 1,463,276; July 31.
- Washburn Company, The. (See Andrews, Charles, jr., assignor.)
- Weaser, William H., Pittsfield, Mass. Merry-go-round. 1,463,351; July 31.
- Weber, Oskar H. (See Beck, A., Gersbach, and Weber.)
- Wegman, Jules G., Rochester, N. Y. Pin-forming and button-pinning machine. 1,463,565; July 31.
- Weiskopf, Charles H., Santa Monica, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for the electrical precipitation of suspended particles from gases. 1,463,352; July 31.
- Weiss, Joseph, Chicago, Ill. Lunch heater and carrier. 1,463,411; July 31.
- Weich, John T., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing reel. 1,463,642; July 31.
- Weller, Denver B., Washington, D. C. Safety appliance for drill chucks. 1,463,412; July 31.
- Werner, Leo J., Arlington, assignor to Splittorf Electrical Company, Newark, N. J. Distributor block and making the same. 1,463,453; July 31.
- West, Victor E., McKeesport, Pa. Identification device. 1,463,755; July 31.
- West Surrey Central Dairy Company, The. (See Selby-Fayers, W., and Gates, assignors.)
- Westerberg, Carl A. A. (See Bore, J., and Skoglund, assignors.)
- Western Electric Company Incorporated. (See Loewe, Siegmund, assignor.)
- Western Electric Company Incorporated. (See Nichols, Harold W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Clay, Noble S., assignor.)
- Westinghouse Electric & Manufacturing Company. (See Kintzing, Reese T., assignor.)
- Westinghouse Lamp Company. (See Shackelford, Benjamin E., assignor.)
- Westman, Alfred D. (See Richards, J. N., and Westman.)
- Westman, William H. (See Richards, J. N., and Westman.)
- Wetter, William M., assignor of one-half to L. G. Huling, Williamsport, Pa. Renewable fuse. 1,463,756; July 31.
- Whalen, James W., Richmond, Ind. Automatic stop record. 1,463,235; July 31.
- White, Charles C., Chicago, Ill. Built-in cabinet. 1,463,607; July 31.
- White, Charles H., assignor to Deere & Company, Moline, Ill. Tool holder. 1,463,353; July 31.
- White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,463,236; July 31.
- Whitehead & Hoag Company, The. (See Draper, Harold W., assignor.)
- Whitehead, Archibald C., Ipswich, England. Lamp for road vehicles and like purposes. 1,463,643; July 31.
- Whitlatch, Jacob G., and O. R. Williamson, Iowa Falls, Iowa. Mud drum. 1,463,277; July 31.
- Widmeyer, Charles E. (See Serrell, W. C., and Widmeyer.)
- Wieland, George E. M., assignor of one-half to F. Boehmer, Baltimore, Md. Lock. 1,463,768; July 31.
- Wilburger, William, Brooklyn, N. Y. Envelope for disk records. 1,463,413; July 31.
- Willett, Alfred H., West New York, N. J., assignor to American Arch Company, New York, N. Y. Fire-brick arch. 1,463,184; July 31.
- Williams, French B., Lufkin, Tex. Spider for cotton cleaners. 1,463,522; July 31.
- Williamson Heater Company, The. (See De Camp, Ellis O., assignor.)
- Williamson, Oscar G. (See Whitlatch, J. G., and Williamson.)
- Wilson, Ralph W., New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Container. 1,463,354; July 31.
- Wilson, Ralph W., New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Powder and rouge container. 1,463,355; July 31.
- Winca, Emery, Cleveland, Ohio. Spark intensifier. 1,463,608; July 31.
- Wingquist, Sven G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Machine for manufacturing toothed wheels, screw wheels, or the like. 1,463,414; July 31.
- Winsor, James G., Detroit, Mich. Dump body. 1,463,185; July 31.
- Winton, Alexander, Lakewood, Ohio. Piston for internal-combustion engines. 1,463,644; July 31.
- Wirebounds Patents Company. (See Bombardie, Charles H., assignor.)
- Wood, Callie, Reno, Nev. Flower doll. Des. 62,808; July 31.
- Wood, Clarence P., Philadelphia, Pa. Fluid separator. 1,463,769; July 31.
- Woodford, Bronson C., assignor to The Murray Company, Dallas, Tex. Trampler for cotton presses. 1,463,186; July 31.
- Wolfe, Charles G., Mount Vernon, Ohio. Pharmaceutical preparation. 1,463,539; July 31.
- Wright, James O., Atlantic City, N. J. Cotter-pin-extracting pliers. 1,463,645; July 31.
- Wyatt, Alden H., Knoxville, Iowa. Photoprint drier. 1,463,757; July 31.
- Wyatt, Kinchen A., Dallas, Tex. Lightning protection apparatus for oil tanks. 1,463,523; July 31.
- Yeager, John D., Philadelphia, Pa. Shoe. 1,463,278; July 31.
- Younger, Frank, Wallace, Calif. Sanitary dispensing apparatus. 1,463,415; July 31.
- Young, Jacob, and M. L. Frakes, Hennessey, Okla. Transmission release. 1,463,237; July 31.
- Zappia, Domenic, Cleveland, Ohio, assignor to Paramount Rubber Consolidated, Inc., Little Falls, N. J. Doll. Des. 62,809; July 31.
- Ziegler, Everett J., Hartford City, Ind. Gearless differential transmission mechanism. 1,463,356; July 31.
- Zunino, Lorenzo, Berkeley, Calif. Pedestal. Des. 62,810; July 31.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31st DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

- Acid and salts thereof, Making benzoic. E. O. Barstow. 1,463,190; July 31.
- Acid, Manufacture of acetic. J. E. Haggemacher. 1,463,209; July 31.
- Acid, Manufacture of concentrated acetic. H. Howard. 1,463,212; July 31.
- Aeronautical propeller. S. A. Reed. 1,463,556; July 31.
- Aeroplane. G. Hamel. 1,463,694; July 31.
- Aeroplanes and for other purposes, Armor for gasoline tanks of. N. W. Burgess. 1,463,498; July 31.
- Aeroplanes, Landing carriage for. G. W. Kadel. 1,463,471; July 31.
- Agitating machine. A. Marrazzo. 1,463,626; July 31.
- Agricultural implement. H. Peterson. 1,463,485; July 31.
- Air and gases from water, System for removing. R. N. Ehrhart. 1,463,158; July 31.
- Air heater. B. B. Olsen. 1,463,484; July 31.
- Airplanes, Safety device for. T. H. Furman. 1,463,464; July 31.
- Ammonia synthesis autoclave. E. H. Arnold and W. T. Wakeford. 1,463,280; July 31.
- Amusement device. H. G. Moulder. 1,463,290; July 31.
- Animal trap. M. L. Greenstreet and W. Day. 1,463,163; July 31.
- Antiskid chain. B. J. Duehr. 1,463,681; July 31.
- Auto rear signal lamp. L. Lapidus. Des. 62,783; July 31.
- Automobile bumper. C. H. Hathaway and W. A. Starck. 1,463,581; July 31.
- Automobile, etc., lubricating device. R. B. Hanscom. 1,463,421; July 31.
- Automobile fenders, Emblem holder for. M. E. Theiss. 1,463,409; July 31.
- Automobile radiators, Cooker attachment for. C. M. Daly. 1,463,576; July 31.
- Automobile shock absorber. A. D. Pidgeon. 1,463,660; July 31.
- Automobile signal. A. L. McMurtry. 1,463,430; July 31.
- Automobile top, Collapsible. J. Botella. 1,463,193; July 31.
- Automobile turning signal. C. R. Kositzky. 1,463,425; July 31.
- Automobile vehicles, Compressor arrangement for the motors of. P. Daimler. 1,463,256; July 31.
- Automobile wheels and spokes, Shackle for. E. E. Chapman. 1,463,387; July 31.
- Automobiles or the like, Detachable armrest for. L. S. Paddock. 1,463,293; July 31.
- Axle structure, Roller and ball bearing. F. J. Cochran. 1,463,196; July 31.
- Badge and analogous device. H. W. Draper. 1,463,739; July 31.
- Bank-protecting device. C. A. Mazzie. 1,463,368; July 31.
- Barrel for locks. A. Borelli. 1,463,495; July 31.
- Bearing, Roller side. A. Stucki. 1,463,602; July 31.
- Bearings, Ball cage for radial ball. E. Staake. 1,463,299; July 31.
- Bed bottoms, Auxiliary spring attachment for spring. S. Rosenbloom. 1,463,295; July 31.
- Bed, Cooling. G. M. Smith. 1,463,634; July 31.
- Bedcover fastener, Adjustable. J. A. Petzold. 1,463,402; July 31.
- Bed, Folding and tent. R. B. Hosner. 1,463,267; July 31.
- Bedstead frame. C. A. Stuart. Des. 62,806-7; July 31.
- Belt. L. A. Lasater. 1,463,553; July 31.
- Belt attachment. S. Newman. 1,463,172; July 31.
- Belt, Transmission. J. W. Schade. 1,463,596; July 31.
- Benzoates and benzoic acid from dibenzyl, Preparation of. G. O. Curme, jr., and H. B. Heyn. 1,463,255; July 31.
- Bin: See—
Storage bin.
- Bit: See—
Underdrilling bit.
- Block: See—
Sheave block.
- Boat, Life-saving. A. Baumgart. 1,463,662; July 31.
- Bobbin. F. Edmonds. 1,463,205; July 31.
- Boiler-tube cleaner. A. F. Krause. 1,463,587; July 31.
- Boiler: See—
Locomotive boiler. Steam and water boiler.
- Boilers, pipes, and the like, Covering for. E. Spicer. 1,463,298; July 31.
- Bolt. G. E. Carter. 1,463,572; July 31.
- Book holder. M. J. Caffrey. 1,463,668; July 31.
- Bootblack stands and the like, Suction support for. G. Schonsteiner and T. E. Michael. 1,463,631; July 31.
- Boring head. J. H. Frey and J. N. Kaiser. 1,463,686; July 31.
- Bottle. W. B. Marble. Des. 62,784-5; July 31.
- Bottle. H. K. Quan. Des. 62,804; July 31.
- Bottle-cleaning apparatus. C. H. Lowe and J. R. Gruetter. 1,463,763; July 31.
- Bottle opener, Nonsplash. J. O. Remillard. 1,463,536; July 31.
- Bottle, Paper milk. R. M. Oliver. 1,463,437; July 31.
- Bottle stopper. V. E. Dance. 1,463,198; July 31.
- Bottles and the like, Stopper for. H. J. Bragdon. 1,463,570; July 31.
- Box: See—
Folding box. Vanity box.
- Safety deposit box.
- Box-making machine. E. D. Anderson and C. Beckmann. 1,463,454; July 31.
- Box-making machine, Pasteboard-. A. A. Arnold. 1,463,567; July 31.
- Boxes and crates, Machine for making. J. Shellenberger. 1,463,727; July 31.
- Boxes, Machine for use in making. C. H. Bombardie. 1,463,382; July 31.
- Bracket for supporting objects, and especially for securing number plates. A. W. Cordes. 1,463,358; July 31.
- Brake. E. R. Evans. 1,463,159; July 31.
- Brake iron. S. L. Hall. 1,463,693; July 31.
- Brake rods, Fixture for. I. C. Shuster. 1,463,557; July 31.
- Brick, Arch. G. C. Denney. 1,463,156; July 31.
- Brick arch, Fire-. A. H. Willet. 1,463,184; July 31.
- Brief case. S. H. Lifton. 1,463,270; July 31.
- Broaching tool. F. J. Lapointe. 1,463,473; July 31.
- Brick, Channel. A. Hardoncourt. 1,463,697; July 31.
- Brush, Folding shoe. G. W. Campbell. 1,463,669; July 31.
- Brushing machine. H. M. Keith. 1,463,705; July 31.
- Buckle. N. T. Nelson. 1,463,657; July 31.
- Burner: See—
Gas burner. Oil burner.
- Burner tip. J. H. Grayson. 1,463,263; July 31.
- Bust confiner and reducer. J. L. Holt. 1,463,424; July 31.
- Button. F. R. White. 1,463,236; July 31.
- Button hook, Collar-. C. Neumann. 1,463,400; July 31.
- Cabinet. J. J. Lane. 1,463,511; July 31.
- Cabinet, Built-in. C. C. White. 1,463,607; July 31.
- Cabinet, Storing and preserving. K. Otsuki. 1,463,723; July 31.
- Calendar-pad retainer. B. H. Harris. 1,463,210; July 31.
- Camera. S. Snowden. 1,463,446; July 31.
- Can ends, Method of and apparatus for gasket lining. I. D. Thornburgh. 1,463,519; July 31.
- Can feeding and timing device. H. L. Guenther. 1,463,527; July 31.
- Canned goods, Applying labels to. W. C. Hart. 1,463,265; July 31.
- Caps, Forging insulator. C. W. Stover. 1,463,601; July 31.
- Carbonizing furnace. N. Olsen. 1,463,438; July 31.
- Car, Box. O. J. Parks. 1,463,173; July 31.
- Carburetors, Electric heating attachment for. J. E. Godman and J. M. Garr. 1,463,774; July 31.
- Car door, Grain-. W. M. Combs. 1,463,772; July 31.
- Car door, Grain-. A. Pokorny. 1,463,724; July 31.
- Car-end construction. I. Everett. 1,463,773; July 31.
- Car framing, Composite. B. W. Kadel. 1,463,703; July 31.
- Car signal, Freight-. N. E. Hayward. 1,463,467; July 31.
- Car unloader. F. E. Townsend. 1,463,302; July 31.
- Cars, Safety device against the theft of motor. A. and V. Lauritzen. 1,463,218; July 31.
- Cars, Safety device for elevator. H. S. Snead. 1,463,297; July 31.
- Cars, Ventilating apparatus for Pullman. E. A. Robinson. 1,463,294; July 31.
- Card, Display. C. B. Kellogg. 1,463,585; July 31.
- Card holder, Mass-. V. E. Cook and L. R. H. Burton. Des. 62,772; July 31.
- Cardcase. P. A. Gardner. 1,463,619; July 31.
- Carrier: See—
Curtain carrier. Lunch heater and carrier.
- Carton-sealing mechanism. M. J. Milmo. 1,463,627; July 31.

- Cartridge-loading press. P. M. Talcott. 1,463,603; July 31.
- Case: See—
Brief case. Vanity case.
- Cash register. E. Breitling and E. Ostemeyer. 1,463,185; July 31.
- Caster. W. F. Herold. 1,463,266; July 31.
- Casting oxidizable metals. A. Beck, K. Gersbach, and O. H. Weber. 1,463,609; July 31.
- Catalyst and making same. H. D. Gibbs. 1,463,206; July 31.
- Chain-making apparatus. J. Johnson. 1,463,469; July 31.
- Chain-welding machine. J. L. Mueller. 1,463,714; July 31.
- Check-controlled mechanism. H. M. Walker. 1,463,521; July 31.
- Chuck. G. K. Schieldge. 1,463,176; July 31.
- Chucks, Safety appliance for drill. D. B. Weller. 1,463,412; July 31.
- Circuits, Ringing arrangement for multiplex. J. Davidson, jr. 1,463,199-200; July 31.
- Clamp. J. L. Taylor. 1,463,564; July 31.
- Clamp-bolt lock. F. Lummer. 1,463,622; July 31.
- Cleaner: See—
Boiler-tube cleaner. Windshield cleaner.
Spark-plug cleaner.
- Clothes drier. E. O. De Camp. 1,463,615; July 31.
- Clothesline fastener. E. Bear. 1,463,456; July 31.
- Clothespin. P. Campbell. 1,463,670; July 31.
- Closure, Foldable. F. G. Walker. 1,463,346-7; July 31.
- Closure plug. E. L. Lanfair. 1,463,426; July 31.
- Clutch mechanism. G. Shider. 1,463,490; July 31.
- Clutch, Power-transmission. O. L. Lewis. 1,463,327; July 31.
- Coating and binding fabrics, Composition for. H. Frood. 1,463,780; July 31.
- Coating, Apparatus for applying. L. H. Parker and H. W. Day. 1,463,332; July 31.
- Coating device. C. H. Macdonald and L. L. Salfisberg. 1,463,476; July 31.
- Coating machine. C. L. Hooper, R. F. Sutherland, and A. W. Parkhouse. 1,463,362; July 31.
- Coin vending machine. G. C. Reith. 1,463,486; July 31.
- Combination tool. H. Schuetz. 1,463,374; July 31.
- Combination tool. W. A. Shields. 1,463,375; July 31.
- Commutators, hip rings, drums, and the like, Apparatus for truing up. A. Norrel. 1,463,224; July 31.
- Compression coupling. J. H. Funk. 1,463,261; July 31.
- Concrete mains, Service connection for. C. F. Buente. 1,463,148; July 31.
- Condenser. J. G. Hunter. 1,463,468; July 31.
- Condenser. N. W. Krase and V. L. Gaddy. 1,463,216; July 31.
- Condenser, Electrolytic. L. W. Chubb. 1,463,152; July 31.
- Condiment holder. G. A. Baeder. 1,463,543; July 31.
- Connection protector. E. C. Gnau. 1,463,208; July 31.
- Container. A. H. Bosworth. 1,463,663; July 31.
- Container. R. W. Wilson. 1,463,354; July 31.
- Control system. R. T. Kintzing. 1,463,168; July 31.
- Cooker, Mechanical. C. H. Fulton. 1,463,526; July 31.
- Capping apparatus. W. V. Derby. 1,463,257; July 31.
- Corset and abdominal support. S. H. Camp. 1,463,252; July 31.
- Cotton cleaners, Spider for. F. B. Williams. 1,463,522; July 31.
- Coupling: See—
Compression coupling. Elastic Oldham coupling.
- Coupon-cutting machine. H. N. Heilman. 1,463,393; July 31.
- Crate. W. W. Leach. 1,463,512; July 31.
- Cream and butter fat, Deodorizing and improving the quality of. E. M. Davis. 1,463,309; July 31.
- Crib, Portable. D. D. Comstock. 1,463,459; July 31.
- Crusher, Fruit. R. Baccollieri. 1,463,238; July 31.
- Crutch seat. H. D. Coleman. 1,463,675; July 31.
- Crystal detectors, Mounting for stems of. A. N. Pierman. 1,463,554; July 31.
- Current rectifier, Alternating-. V. F. King. 1,463,779; July 31.
- Curtain carrier, Adjustable. H. N. May. 1,463,711; July 31.
- Curtain, Protective. I. Neft and H. P. Nass. 1,463,431; July 31.
- Curtain support and shade holder. J. W. Johnson and J. W. Nolde. 1,463,702; July 31.
- Cutter: See—
Leather cutter.
- Cutting and kneading machine, Universal. L. Negro. 1,463,720; July 31.
- Cutting machine. R. C. Simmons. 1,463,229; July 31.
- Cutting mechanism. E. Cheshire. 1,463,545; July 31.
- Cycles of compression, expansion, combustion, suction, exhaust, and the like, Apparatus for performing. C. Chilowsky. 1,463,646; July 31.
- Cylinder, Air-cooled. S. R. Saunders. 1,463,595; July 31.
- Desk cabinet, Invertible. W. G. Moore. Des. 62,792; July 31.
- Desk, Convertible. A. Mitchell. 1,463,289; July 31.
- Desk organizer. R. J. Turner. 1,463,733; July 31.
- Developing apparatus. L. W. Shannon. 1,463,489; July 31.
- Dipper tooth, Extensible, reversible, and self-sharpening. J. F. Pryor. 1,463,725; July 31.
- Dish, bowl, or similar article. W. D. Haviland. Des. 62,776; July 31.
- Disk records, Envelope for. W. Wilburger. 1,463,413; July 31.
- Disks in centrifugal separators, Separating. L. Rasch. 1,463,752; July 31.
- Display-case warmer. A. G. Stephens. 1,463,179; July 31.
- Display device. J. E. and F. S. Gee. 1,463,740; July 31.
- Display device. R. H. Johnson. 1,463,470; July 31.
- Distributor block and making the same. L. J. Werner. 1,463,453; July 31.
- Ditching machines, Tile-placing attachment for. J. Sommer. 1,463,561; July 31.
- Doffing and donning mechanism. H. P. Eanes. 1,463,462; July 31.
- Doffing and donning mechanism. W. W. Miller. 1,463,479; July 31.
- Doll. D. Zappia. Des. 62,809; July 31.
- Doll, Flower. C. Wood. Des. 62,808; July 31.
- Door-opening appliance. T. F. Coss. 1,463,647; July 31.
- Draft regulator. V. B. Carr and S. H. Broshar. 1,463,671; July 31.
- Drier: See—
Clothes drier. Photoprint drier.
- Drills, Power lift for grain. C. R. Davis. 1,463,612-13; July 31.
- Drum, Mud. J. G. Whitlatch and O. R. Williamson. 1,463,277; July 31.
- Pump body. J. G. Winsor. 1,463,185; July 31.
- Eccentric hook. R. E. Anthony. 1,463,381; July 31.
- Egg beater. A. F. Anderson. 1,463,493; July 31.
- Elastic Oldham coupling. F. Kratz. 1,463,396; July 31.
- Elastic woven fabric. G. C. and T. F. Moore. Des. 62,791; July 31.
- Electric furnace. C. L. Lee. 1,463,513; July 31.
- Electric furnace, Sectional. E. L. Smalley. 1,463,559; July 31.
- Electric-generator-operating means. E. B. Nowosielski. 1,463,436; July 31.
- Electric heater. W. A. Rankin. 1,463,630; July 31.
- Electric meter, Automatic. M. O. S. Madsen. 1,463,170; July 31.
- Electrode, Therapeutic. E. C. Hanson and W. L. Carlson. 1,463,392; July 31.
- Engine: See—
Internal-combustion engine.
- Engine-starter gearing. M. L. Hillmer and L. O. Parker. 1,463,211; July 31.
- Engines, Air cleaning and heating attachment for internal-combustion. F. H. Adams. 1,463,416; July 31.
- Engines, Piston for internal-combustion. A. Winton. 1,463,644; July 31.
- Engines, Reatomizer attachment for internal-combustion. J. D. Bridgers. 1,463,496; July 31.
- Engines, Temperature regulator for cooling systems of internal-combustion. L. W. Jones. 1,463,510; July 31.
- Engines, Timing device for internal-combustion. A. A. Lazier. 1,463,474; July 31.
- Engines, Unitary transmission and pump for motor-driven fire. C. E. Bathrick. 1,463,569; July 31.
- Envelope, postal wrapper, or the like. A. Samuel. 1,463,442; July 31.
- Extraction apparatus. E. H. Cummins. 1,463,154; July 31.
- Fan structure. N. S. Clay. 1,463,153; July 31.
- Fabric: See—
Coated fabric.
- Feed regulator. C. Beckmann. 1,463,457; July 31.
- Feeder, Percentage. A. D. MacLellan. 1,463,777; July 31.
- Feeders, Individual sheet and envelope separators for pneumatic. C. H. Martin. 1,463,329; July 31.
- Fender or bumper, Spring. W. G. Cox. 1,463,308; July 31.
- Firearm. E. A. Fairbanks. 1,463,160; July 31.
- Fire escape. A. J. M. Barthelemy, dit Paul Cans. 1,463,149; July 31.
- Fireproof tank. W. S. Huff. 1,463,268; July 31.
- Fishing reel. J. T. Welch. 1,463,642; July 31.
- Floor plate. J. E. Erskine. 1,463,359; July 31.
- Floor slab. F. Lichtenberg and M. M. McCarthy. 1,463,621; July 31.
- Flotation apparatus. J. P. Ruth, jr. 1,463,405; July 31.
- Flower pot. W. H. Cochran. Des. 62,770; July 31.
- Flue top. L. H. Bowman. 1,463,664; July 31.
- Fluid-registering mechanism. C. F. MacGill. 1,463,534; July 31.
- Fluid separator. C. P. Wood. 1,463,769; July 31.
- Flytrap. J. M. Paul. 1,463,659; July 31.
- Folding box. E. L. Stern. 1,463,448; July 31.
- Food molding and wrapping machine, Automatic. W. Stricker. 1,463,636; July 31.
- Frame: See—
Mattress frame.
- Freight-transferring system. R. C. Sibley. 1,463,558; July 31.
- Frictional and wearing purposes, Material for. H. Frood. 1,463,506; July 31.
- Fuel, Burning pulverized. H. Kreisinger. 1,463,283; July 31.
- Fuel economizer. V. E. Morrison. 1,463,481; July 31.
- Furnace: See—
Carbonizing furnace. Electric furnace.
- Furnaces, Radiator structure for. W. H. Wahl. 1,463,410; July 31.

- Furnaces, Suspended arch construction for. F. B. Bigelow. 1,463,240-1; July 31.
- Furniture, Method and means for making upholstered. D. Popkin. 1,463,334; July 31.
- Fuse, Detonating. R. L. Lowman. 1,463,747; July 31.
- Fuse, Renewable. W. M. Wetter. 1,463,756; July 31.
- Gaiter. H. P. Brown. 1,463,357; July 31.
- Game. C. F. Cullen. 1,463,388; July 31.
- Game, Ricochet ball. E. Ruttman. 1,463,726; July 31.
- Garment-pressing machine. C. Lavier. 1,463,397; July 31.
- Garment supporter. J. S. Wallingford. 1,463,380; July 31.
- Gas burner. W. V. Robinson. 1,463,592; July 31.
- Gases, Apparatus for electrical precipitation of suspended particles from. C. H. Weiskopf. 1,463,352; July 31.
- Gases, Drying. E. H. Arnold and W. T. Wakeford. 1,463,279; July 31.
- Gate: *See*—
- Railway-crossing gate.
- Gauge: *See*—
- Micrometer gauge.
- Gear-assembling device. C. A. Johnson. 1,463,269; July 31.
- Gear-case sprayers, Oil-flow indicator for. G. Paterson and C. Thew. 1,463,174; July 31.
- Gear mechanism, Power-transmission-. W. B. Pageol. 1,463,389; July 31.
- Gear mechanism, Reduction-. A. C. Stahl. 1,463,447; July 31.
- Gear, Reversing. L. Thallmayer. 1,463,638; July 31.
- Gear specially applicable to motor-propelled cycles, Driving. G. M. Cameron-Cowburn. 1,463,610; July 31.
- Gear teeth, Apparatus for testing the contours of. C. J. Harter. 1,463,580; July 31.
- Gear, Variable-speed. J. A. and W. D. Miller. 1,463,287; July 31.
- Glass, Cupping. J. Cateula. 1,463,458; July 31.
- Glass, Drawing continuous sheet. L. D. Soubier. 1,463,273; July 31.
- Glass-drawing machines, Changing bending rollers in sheet-. R. P. Callard. 1,463,261; July 31.
- Glass sheets, Drawing. H. K. Hitchcock. 1,463,582; July 31.
- Golf club. C. A. Kurz, jr. 1,463,533; July 31.
- Graduating appliance. H. N. Halversen. 1,463,317; July 31.
- Grain sprouter, Sectional. C. C. Newport. 1,463,223; July 31.
- Grapefruit corer. C. J. Ulrich. 1,463,233; July 31.
- Grinding machine. O. F. Presbrey. 1,463,335; July 31.
- Grinder, Power-driven. W. E. Kidney. 1,463,324; July 31.
- Gun, Gasoline. E. M. Thomas. 1,463,518; July 31.
- Hair curler. G. C. Lewis. 1,463,746; July 31.
- Hammer. H. E. Keyes. 1,463,167; July 31.
- Hammers, Adjustable guide for. S. Paul. Re15,666; July 31.
- Hammering apparatus. W. Y. Stroh and G. W. Klages. 1,463,180; July 31.
- Hammock. H. E. Burroughs. 1,463,499-500; July 31.
- Handle. W. A. Somers. 1,463,341; July 31.
- Hay sweep. L. J. Jenson. 1,463,584; July 31.
- Heading machines and the like, Blank carrier for. A. W. Jansson. 1,463,323; July 31.
- Headlight. W. F. Doran. 1,463,524-5; July 31.
- Headlight. C. H. Fisher. 1,463,685; July 31.
- Heater: *See*—
- Air heater. Liquid heater.
- Electric heater. Steam superheater.
- Heater. E. D. Stout. 1,463,730; July 31.
- Heel of the embedded-washer type, Detachable shoe. C. W. Lavers. 1,463,428; July 31.
- Heel of the plate type, Detachable shoe. C. W. Lavers. 1,463,427; July 31.
- Hoist for vehicle bodies. H. C. Struchen. 1,463,637; July 31.
- Hog holder and pig puller. E. G. Knudtston. 1,463,776; July 31.
- Hook: *See*—
- Buttonhook. Eccentric hook.
- Hopper, Attachable. M. L. Trimmer. 1,463,232; July 31.
- Husking machine. F. H. Knapp. 1,463,364; July 31.
- Identification device. V. E. West. 1,463,755; July 31.
- Igniter, Mechanical. A. L. Powell. 1,463,751; July 31.
- Ignition apparatus. O. F. Conklin. 1,463,197; July 31.
- Incinerating apparatus, Garbage and sewage. J. C. Curry. 1,463,761; July 31.
- Inclosed switch. J. E. Carr. 1,463,151; July 31.
- Indicating device. P. G. Jacobson. 1,463,321; July 31.
- Ingots, Means to compress. A. A. Claassen. 1,463,771; July 31.
- Inner tube. G. A. Lane. 1,463,742; July 31.
- Integral stop. P. Mueller and A. C. Schuermann. 1,463,370; July 31.
- Internal-combustion engine. V. W. Kliesrath. 1,463,586; July 31.
- Internal-combustion motor. F. Stoner and C. H. W. Aitken. 1,463,231; July 31.
- Iron: *See*—
- Brake iron.
- Iron, Manufacturing wrought. A. Sauveur. 1,463,228; July 31.
- Jack: *See*—
- Lifting jack.
- Jack, Pneumatic. A. E. McNulty. 1,463,654; July 31.
- Japanning apparatus. D. F. Domizi. 1,463,313; July 31.
- Joint: *See*—
- Pipe joint. Rail scarf joint.
- Rail joint. Universal joint.
- Kettles by zones, Temperature control of. J. G. Lehman. Re. 15,665; July 31.
- Key support, Yoke-. E. Posson. 1,463,555; July 31.
- Kiln system, Cement-. D. S. Jacobus. 1,463,363; July 31.
- Kitchen table. A. T. Holton. 1,463,701; July 31.
- Knife. T. Champlin. 1,463,573; July 31.
- Knife, Pile-cutter. T. Bachofen. 1,463,239; July 31.
- Knitting machines, Lace attachment for. E. O. Nebel. 1,463,719; July 31.
- Knitting machines, Stop motion for. E. S. Hineline. 1,463,741; July 31.
- Lace. T. Monk. Des. 62,790; July 31.
- Lace. S. H. Page. Des. 62,794-802; July 31.
- Lacing device, Easy-. L. Funck. 1,463,579; July 31.
- Lamp. S. G. Warner. 1,463,183; July 31.
- Lamp, Aircraft. A. L. Davis. 1,463,677-8; July 31.
- Lamp-bulb installing and removing device. H. D. Grinnell. 1,463,466; July 31.
- Lamp, Electric incandescent. B. E. Shackelford. 1,463,178; July 31.
- Lamp for road vehicles and like purposes. A. C. Whitehead. 1,463,643; July 31.
- Lamp-shade panel. H. J. O'Boyle. 1,463,722; July 31.
- Latch. S. D. Butterworth. 1,463,385; July 31.
- Lathe. N. F. Fretter. 1,463,505; July 31.
- Lathe, semiautomatic lathes, and the like, Driving mechanism for transverse supports or slides in revolver. F. R. Deuring. 1,463,201; July 31.
- Leaks, Device for preventing. C. Pollak. 1,463,749; July 31.
- Leather cutter. T. M. Dillinger. 1,463,312; July 31.
- Leather, Method of and apparatus for finishing. A. A. Angell. 1,463,542; July 31.
- Lens. F. Piaszek. Des. 62,803; July 31.
- Level. W. M. Dickinson. 1,463,738; July 31.
- Leveling device. J. E. Long. 1,463,515; July 31.
- Lever. W. L. Paul. 1,463,333; July 31.
- Lifter: *See*—
- Valve-spring lifter.
- Lifting jack. A. L. Stanford. 1,463,635; July 31.
- Light: *See*—
- Vault light.
- Light-projecting apparatus. D. J. McCarthy. 1,463,623; July 31.
- Light reflector. C. M. Cole. 1,463,546; July 31.
- Lighting fixture. P. Mohrmann. Des. 62,789; July 31.
- Lighting-fixture arm. W. J. Grady. Des. 62,773; July 31.
- Lighting-fixture arm. H. M. Kofsky. Des. 62,781; July 31.
- Lighting-fixture arm. A. Miller. Des. 62,788; July 31.
- Lighting-fixture, suspension strap. A. Miller. Des. 62,787; July 31.
- Lighting-fixture, Body shell for. G. Ainsworth. Des. 62,768; July 31.
- Lighting fixtures, Wall plate for. G. Ainsworth. Des. 62,767; July 31.
- Liquid containers, Combined closure and faucet for. H. O. Varrieur. 1,463,735; July 31.
- Liquid-feeding device. L. A. Dunajeff. 1,463,683; July 31.
- Liquid heater, Electric. F. E. G. Eisselt. 1,463,617; July 31.
- Loading machine. R. P. Greenleaf. 1,463,550; July 31.
- Lock: *See*—
- Clamp-bolt lock. Vehicle lock.
- Nut lock. Window lock.
- Pedal lock.
- Lock. G. E. M. Wieland. 1,463,768; July 31.
- Locomotive boiler. J. J. Cain. 1,463,250; July 31.
- Locomotive boilers or the like, Steam cleansing device for. J. Bore and A. Skoglund. 1,463,494; July 31.
- Loom attachment. J. L. Davis and L. D. Cooley. 1,463,614; July 31.
- Loom, Automatic. J. Northrop. 1,463,435; July 31.
- Loom, Feeler. J. Northrop. 1,463,292; July 31.
- Looms, Filling-end controller for. C. H. Draper. 1,463,203; July 31.
- Looms, Let-off mechanism for. R. H. Gilfillan. 1,463,207; July 31.
- Looms, Take-up mechanism for. J. Northrop. 1,463,226; July 31.
- Lubricating device. E. R. Bales. 1,463,661; July 31.
- Lubricating device. R. T. Newton. 1,463,765; July 31.
- Lunch heater and carrier. J. Weiss. 1,463,411; July 31.
- Machine tool. R. C. Monahan. 1,463,764; July 31.
- Manicure implement. J. O. Landis. Re15,663; July 31.
- Manure loader and spreader, Combined. H. H. Varland. 1,463,492; July 31.
- Mask, Breath. A. Fernandes. 1,463,390; July 31.
- Match-box attachment. A. G. Mackey. 1,463,517; July 31.
- Mattress frame. F. G. Gale. 1,463,161; July 31.
- Measuring device, Liquid-. O. P. M. Pfaffenberger. 1,463,591; July 31.
- Measuring instrument, Electric. W. M. Scott and R. E. Tresise. 1,463,597; July 31.

- Measuring machines, Adjusting. J. T. Pedersen. 1,463,589; July 31.
- Merry-go-round. W. H. Weaser. 1,463,351; July 31.
- Metal, Balling scrap. J. M. Sellers. 1,463,339; July 31.
- Metal-bending machine, Sheet-. C. P. Buck. 1,463,383; July 31.
- Metal mold. H. H. Brand. 1,463,247; July 31.
- Metal-twisting mechanism. R. R. Rust. 1,463,594; July 31.
- Metallic denture backing. R. M. Craig. 1,463,548; July 31.
- Meter: See—
- Electric meter.
- Meter counterhousing, Condensation-. J. V. Redfield. 1,463,404; July 31.
- Micrometer gauge. C. A. Clase. 1,463,673; July 31.
- Milk containers, Cream separator for. J. Maier, N. Lenz, and C. E. Radmer. 1,463,625; July 31.
- Minerals, Electromagnetic separation or concentration of. W. M. Mordey. 1,463,713; July 31.
- Mixing machine. F. X. Lauterbur. 1,463,744; July 31.
- Mixing machines, Whip for. P. S. Ward. 1,463,736; July 31.
- Mold: See—
- Metal mold.
- Mop wringer. E. P. Poulsen. 1,463,750; July 31.
- Motor: See—
- Internal-combustion motor.
- Motor support. W. C. Serrell and C. E. Widmeyer. 1,463,406; July 31.
- Motor support, Flexible. W. I. Ballentine. 1,463,568; July 31.
- Musical instrument, Foot-operated. F. T. Ingersoll. 1,463,509; July 31.
- Navigating instrument. H. C. Roeser. 1,463,373; July 31.
- Neckband former. C. E. Waream and D. H. Benjamin. 1,463,606; July 31.
- Negatives, Illuminating device for the examination of. E. B. Mabey. 1,463,624; July 31.
- Nozzle, Adjustable forming outlet. A. and G. Sharp. 1,463,407; July 31.
- Numbers, Index for. O. L. Moore. 1,463,656; July 31.
- Nut lock. M. G. Stackhouse. 1,463,377; July 31.
- Obstetric apparatus. K. Scholz. 1,463,177; July 31.
- Oil burner. M. J. Jardee and R. J. Cowell. 1,463,651-2; July 31.
- Oil tanks, Lightning protection apparatus for. K. A. Wyatt. 1,463,523; July 31.
- Optometrists, Identification sign for. E. F. Collins. Des. 62,771; July 31.
- Oven, Baker's. W. Dredge. 1,463,616; July 31.
- Overalls, Bib. W. C. Martin. 1,463,748; July 31.
- Package-wrapping machine. W. B. Munn. 1,463,716; July 31.
- Packer and hitch therefor. J. Bley. 1,463,243; July 31.
- Packing. C. F. Schwenker. 1,463,488; July 31.
- Pad: See—
- Presser pad. Stamp pad.
- Padlock, Push-key combination. C. J. Squires. 1,463,230; July 31.
- Paper carton. L. Kuhn. Des. 62,782; July 31.
- Paper, Dispensing packet for waxed. W. B. Collins. 1,463,503; July 31.
- Paper-making machine, Cylinder. G. L. Bidwell. 1,463,544; July 31.
- Partition. J. E. Brady. 1,463,246; July 31.
- Paste, Adhesive. B. L. Pickard. 1,463,403; July 31.
- Pasteboard boxes, Wrapping mechanism for. G. J. Thust. 1,463,639; July 31.
- Pedal lock. G. E. Custer. 1,463,676; July 31.
- Pedestal. L. Zunino. Des. 62,810; July 31.
- Pen, Ruling. E. Lawrenz. 1,463,285; July 31.
- Pharmaceutical preparation. C. G. Wolfe. 1,463,539; July 31.
- Phonograph. B. H. Dietz and A. E. Hansen. 1,463,311; July 31.
- Photo-enlarging machine. R. D. Gray. 1,463,689; July 31.
- Photographic film and plate holder. R. C. Matson. 1,463,710; July 31.
- Photoprint drier. A. H. Wyatt. 1,463,757; July 31.
- Pianos and for other purposes, Pedal device for. B. H. Jefferson and W. I. Kirk. 1,463,166; July 31.
- Pianos, Expression device for player. O. E. Wall. 1,463,234; July 31.
- Pianos, Pneumatic control device for player. O. E. Wall. 1,463,275; July 31.
- Picture devices, Film winding and delivery means for motion-. L. B. Larsen and O. J. Holmes. 1,463,620; July 31.
- Picture-projecting machine, Motion-. W. J. Blankenberg. 1,463,417; July 31.
- Pictures, Music cue sheet for motion. M. J. Mintz. 1,463,288; July 31.
- Pin-forming and button-pinning machine. J. G. Wegman. 1,463,565; July 31.
- Pipe: See—
- Tobacco pipe.
- Pipe, Extension filler. W. J. Douglas. 1,463,202; July 31.
- Pipe joint, Invisible. G. Hall. 1,463,692; July 31.
- Piping and fitting therefor, Sanitary. W. J. Davis. 1,463,461; July 31.
- Piston and cylinder fitting compound. C. G. Battenfield. 1,463,501-2; July 31.
- Piston and piston packing ring, Metallic. J. E. Butler. 1,463,667; July 31.
- Piston for internal-combustion engines, Two-part. J. Bolan. 1,463,245; July 31.
- Pistons, Check-valve-control means for. F. L. Mumford. 1,463,628; July 31.
- Pivot mounting. H. O. Hem. 1,463,423; July 31.
- Plate or similar article. W. D. Haviland. Des. 62,774-5; July 31.
- Plate, Striker. S. D. Butterworth. 1,463,384; July 31.
- Pliers, Cotter-pin-extracting. J. O. Wright. 1,463,645; July 31.
- Plow, Wheel. W. H. Silver. 1,463,376; July 31.
- Plow, Wheel. C. G. Strandlund. 1,463,378-9; July 31.
- Pocketbook. B. Stember. 1,463,729; July 31.
- Posts, flagstaves, and the like, Base for. J. Mühlow. 1,463,715; July 31.
- Potassium and aluminum from silicates, Recovering soluble compounds of. B. F. Halvorsen. 1,463,508; July 31.
- Powder and rouge container. R. W. Wilson. 1,463,355; July 31.
- Power press. F. H. Ragan. 1,463,272; July 31.
- Power transmission, Electrically-controlled. M. Taigman. 1,463,449; July 31.
- Power-transmission mechanism. B. C. Smith. 1,463,445; July 31.
- Press: See—
- Cartridge-loading press. Printing press.
- Power press.
- Presser pad. H. Gordon. 1,463,688; July 31.
- Presses, Trampler for cotton. B. C. Woodford. 1,463,186; July 31.
- Priming device. A. R. Mead. 1,463,712; July 31.
- Prints and the like, Frame for framing. J. H. Carlsen. 1,463,150; July 31.
- Printing machine. W. D. Frank and F. M. Case. 1,463,504; July 31.
- Printing machine, Positive-films-. A. L. V. C. Debie. 1,463,737; July 31.
- Printing press, Offset. B. D. Stevens, C. Henderson, and W. Saxon. 1,463,562; July 31.
- Printing presses, Mounting and operating mechanism for reciprocating beds of. B. D. Stevens and E. F. Dudley. 1,463,274; July 31.
- Propeller. R. Pike. 1,463,441; July 31.
- Pulley, Wood and other. W. E. Ward and M. J. Barre. 1,463,641; July 31.
- Pulp dehydrator. R. A. North. 1,463,721; July 31.
- Pulp or other plastic material, Mold and process for forming articles from. S. Cooper. 1,463,575; July 31.
- Pump, Dispensing. J. B. Davis. 1,463,310; July 31.
- Pumping apparatus. S. D. Black and A. G. Decker. 1,463,305; July 31.
- Radiotelegraph system. W. L. Carlson and E. C. Hanson. 1,463,386; July 31.
- Radiotelegraph system. E. C. Hanson and W. L. Carlson. 1,463,391; July 31.
- Rail anchor. H. Stephens. 1,463,343; July 31.
- Rail anchor, Tie-plate. H. Stephens. 1,463,344; July 31.
- Rail, Guide. C. J. Hohman, sr. 1,463,319; July 31.
- Rail joint. F. B. Elliott. 1,463,618; July 31.
- Rail scarf joint. J. Doktor. 1,463,680; July 31.
- Rail switch. O. P. Smith. 1,463,560; July 31.
- Railway-crossing gate. J. R. Vandivier and G. R. Hunt. 1,463,520; July 31.
- Railway-crossing signal. E. M. Bock. 1,463,758; July 31.
- Railway switch. J. J. Ronders. 1,463,227; July 31.
- Ranges, Ventilator attachment for. B. Biggs. 1,463,242; July 31.
- Receptacle. H. Simon. 1,463,296; July 31.
- Receptacle or package. I. McColl. 1,463,516; July 31.
- Reel: See—
- Fishing reel. Wire reel.
- Refrigerating apparatus. L. G. Copeman. 1,463,419; July 31.
- Refrigerator. K. Gross. 1,463,264; July 31.
- Refractory products from dolomite, Manufacture of. C. A. Longbottom and F. L. Duffield. 1,463,599; July 31.
- Register: See—
- Cash register.
- Register wall guard. E. G. Heartick. 1,463,318; July 31.
- Regulator: See—
- Feed regulator. Window regulator.
- Draft regulator.
- Resilient wheel. M. J. Duffy. 1,463,682; July 31.
- Resilient wheel. A. A. Mendenhall. 1,463,369; July 31.
- Return connections, Manufacture of. J. Lenté. 1,463,762; July 31.
- Rim, Demountable. A. L. Fouché. 1,463,260; July 31.
- Rim stand, Demountable-. L. J. Genett. 1,463,465; July 31.
- Rim, Wheel. E. Dettelbach. 1,463,549; July 31.
- Ring: See—
- Sealing ring.
- Ring-display holder. A. Meng. Des. 62,786; July 31.
- Roofs, Securing shingles to. W. J. Mountford. 1,463,482; July 31.
- Room, Restaurant. E. R. Smith. 1,463,633; July 31.
- Rubber compounds, Filler and accelerator for. A. W. Gould. 1,463,781; July 31.
- Safety deposit box. J. Voss. 1,463,182; July 31.
- Sandal. P. Carrington. 1,463,672; July 31.
- Sand-handling apparatus. J. Grunt. 1,463,691; July 31.

- Sanitary dispensing apparatus. F. Younger. 1,463,415; July 31.
- Saw tooth. J. H. Miner. 1,463,480; July 31.
- Scale beam. E. E. Furrows. 1,463,249; July 31.
- Scale, Recording. A. M. Bates. 1,463,770; July 31.
- Scale, Recording. E. G. Thomas. 1,463,450; July 31.
- Scraper. J. W. Layne. 1,463,745; July 31.
- Scraper, Automatic wheeled. J. R. Grayson. 1,463,690; July 31.
- Screw driver, Ratchet. H. D. Chapman. 1,463,418; July 31.
- Screw-feeding device. S. E. Schroeder. 1,463,338; July 31.
- Screw studs, Apparatus for the insertion of. E. Bugatti. 1,463,497; July 31.
- Seal press identification. M. H. Jackson. 1,463,322; July 31.
- Sealing device, Electric. W. Reusch. 1,463,336; July 31.
- Sealing machine. S. Cooper. 1,463,460; July 31.
- Sealing ring. L. Foote. 1,463,360; July 31.
- Separator. See—
Fluid separator.
- Sewing machine. J. Kiewics. 1,463,325; July 31.
- Sewing-machine guide. J. J. Drake. 1,463,258; July 31.
- Sewing machines, Strap-forming device for. C. F. Gray. 1,463,262; July 31.
- Shafts and the like, Means for packing rotating. H. E. La Bour. 1,463,365; July 31.
- Sharpening implement. R. A. Loomis. 1,463,653; July 31.
- Sharpening machine, Disk. J. E. Brittain. 1,463,665; July 31.
- Sheave block. E. D. Swan and D. G. Manges. 1,463,731; July 31.
- Sheet material, Absorbent. A. L. Clapp. 1,463,611; July 31.
- Shield. H. Simmons. Re15,667; July 31.
- Shingle, Composition. R. S. Severns. 1,463,632; July 31.
- Shingles and cleaning and lubricating dies, Machine for making. S. M. Ford. 1,463,314; July 31.
- Shirt band and cuff button. J. C. Stocks. 1,463,345; July 31.
- Shock absorber. W. E. Harmon. 1,463,552; July 31.
- Shock absorber. J. S. Lang. 1,463,284; July 31.
- Shock absorber. H. Lutz. 1,463,219; July 31.
- Shock eliminator. R. T. Newton. 1,463,766; July 31.
- Shoe. J. D. Yeager. 1,463,278; July 31.
- Shoe-last stand. W. A. Reed. 1,463,753; July 31.
- Shoe ornament. G. C. Kennedy. 1,463,531; July 31.
- Shuttle. V. Ledoux. 1,463,286; July 31.
- Sidlamp. C. E. Godley. 1,463,162; July 31.
- Sign, Display. F. J. Kristofek. 1,463,326; July 31.
- Sign, Miniature parking. F. J. Kristofek. 1,463,217; July 31.
- Sign, Road. D. Warren. 1,463,276; July 31.
- Signal. See—
Automobile signal. Vehicle turning signal.
Car signal. Waving signal.
Railway-crossing signal.
- Signal. W. J. Peck and E. R. Chase. 1,463,439; July 31.
- Signaling. H. W. Nichols. 1,463,433; July 31.
- Skimmers, Timing mechanism for boiler. F. W., and H. Elserman. 1,463,577; July 31.
- Sleigh, Motor. A. A. Knowles. 1,463,395; July 31.
- Slipper. M. Hirshfield. 62,777-80; July 31.
- Smoke prevention, Method of and apparatus for. H. M. Nobis. 1,463,629; July 31.
- Sole and heel, Detachable shoe. G. Lilienfeldt. 1,463,514; July 31.
- Sound energy with submarine sound transmitters, Device for increasing the. W. Hahnemann. 1,463,507; July 31.
- Sound instrument, Signal. P. and R. Georgi. 1,463,361; July 31.
- Sound-reproducing instrument. E. A. and D. A. Reynolds. 1,463,372; July 31.
- Spark intensifier. A. A. Hutchison. 1,463,530; July 31.
- Spark intensifier. E. Winca. 1,463,608; July 31.
- Spark-plug cleaner. F. Wambach. 1,463,350; July 31.
- Speed-changing mechanism. W. H. Swartz. 1,463,408; July 31.
- Spring wheel. W. J. Beisel. 1,463,192; July 31.
- Sprinkler head. W. A. Buckner. 1,463,666; July 31.
- Square, Carpenter's. C. A. Walters. 1,463,605; July 31.
- Staff, Leading. R. F. Rasmussen. 1,463,175; July 31.
- Stamp, Band dating. M. Sheras. 1,463,340; July 31.
- Stamp pad. W. K. Munson. 1,463,718; July 31.
- Stand. See—
Rim stand. Shoe-last stand.
- Steam and water boiler. C. F. Bachler. 1,463,455; July 31.
- Steam-generator fitting. J. C. Parker. 1,463,658; July 31.
- Steam superheater. A. Cotton. 1,463,547; July 31.
- Steering wheel, Mounting. J. N. Richards, W. H. Westman, and A. D. Westman. 1,463,487; July 31.
- Stepladder. S. Field. 1,463,649; July 31.
- Still, Oil. P. Heffler. 1,463,698; July 31.
- Stoker, Automatic. L. R. Stowe. 1,463,300-1; July 31.
- Stoker grate. G. W. Edwards. 1,463,157; July 31.
- Stoker, Underfeed. R. S. Riley. 1,463,337; July 31.
- Stop record, Automatic. J. W. Whalen. 1,463,235; July 31.
- Stopper. See—
Bottle stopper.
- Storage bin. J. P. Case. 1,463,307; July 31.
- Store fixtures, Curtain suitable for use in. D. J. Seaman. 1,463,598; July 31.
- Stove. R. Futral. 1,463,315; July 31.
- Stove, Fireless. G. A. Taylor. 1,463,563; July 31.
- Strainer support, Adjustable. W. P. and P. A. Heisner. 1,463,394; July 31.
- Street-cleaning machine. W. N. Koger. 1,463,707; July 31.
- Supporting means suitable for use in suspension transporter arrangements and for other purposes, Flexible. A. G. M. Jack. 1,463,165; July 31.
- Surfacing machine. C. T. Adair and C. G. Frederick. 1,463,303; July 31.
- Suspenders. W. M. Hueseman. 1,463,213; July 31.
- Sweeper, Combined blast and suction. C. P. Holleran. 1,463,583; July 31.
- Swing, Folding. G. W. Brame. 1,463,571; July 31.
- Switch. See—
Inclosed switch. Railway switch.
Rail switch. Time switch.
- Switch. V. S. Hardey. 1,463,551; July 31.
- Switch. E. H. Jacobs. 1,463,320; July 31.
- Switch mechanism. L. L. Evans and G. M. Hart. 1,463,463; July 31.
- Swivel. W. L. Ketchum. 1,463,706; July 31.
- Swivel wrench plate and hanger, Combination. C. A. Duley. 1,463,648; July 31.
- Table. See—
Kitchen table. Tea table.
- Tank. See—
Fireproof tank.
- Tank filler and contents indicator. A. Stanley. 1,463,342; July 31.
- Tea table. L. Alonzi. 1,463,540; July 31.
- Telephone system. H. H. Ide. 1,463,164; July 31.
- Telephone system. C. Sparks. 1,463,600; July 31.
- Telephone system, Party-line. T. G. Martin. 1,463,271; July 31.
- Temperature-indicating device. C. W. Baker. 1,463,189; July 31.
- Tent shelter. W. E. Marsh. 1,463,220; July 31.
- Testing device. S. Pichler. 1,463,440; July 31.
- Thermionic translating device. S. Loewe. 1,463,475; July 31.
- Thread-parter mechanism. J. Northrop. 1,463,225; July 31.
- Threads or cords, Machine for and method of uniting. W. H. Pearson and T. J. Kelly. 1,463,401; July 31.
- Tile structure and toilet-paper holder, Combined. H. M. Goldsmith. 1,463,775; July 31.
- Time switch. J. F. Cermak. 1,463,253; July 31.
- Timing mechanism. C. A. Mayer. 1,463,367; July 31.
- Tins and containers, Opening device for closed or sealed. W. Selby-Fayers and E. R. Gates. 1,463,443; July 31.
- Tire chains, Lock for. R. C. Wagner. 1,463,604; July 31.
- Tire shoe. M. D. Logan. 1,463,429; July 31.
- Tires, Device for and method of the manufacture of protected inner tubes for. A. E. Henderson. 1,463,528; July 31.
- Tires, Device for riveting half soles on pneumatic rubber. R. C. Turner and E. T. Alston. 1,463,732; July 31.
- Tires, Making reinforced inner tubes for. J. A. McLane. 1,463,708; July 31.
- Tires, Manufacturing. C. E. Rett. 1,463,754; July 31.
- Tires to vehicle wheels, Means for securing. J. M. Mundy. 1,463,201; July 31.
- Toasters, and the like, Handle for. C. Andrews, jr. 1,463,541; July 31.
- Tobacco pipe. A. Dunhill. 1,463,684; July 31.
- Tobacco pipe. H. Longacre. 1,463,398; July 31.
- Tool holder. C. H. White. 1,463,353; July 31.
- Towing tongue. W. D. Henry. 1,463,699; July 31.
- Toy, Figure. F. Bowen. 1,463,194; July 31.
- Tractor. T. C. Leake. 1,463,366; July 31.
- Tractor frame construction. J. Ross. 1,463,593; July 31.
- Train stop, Automatic. E. de Leon. 1,463,679; July 31.
- Train-controlling apparatus, Automatic. E. H. Olson, J. C. H. Clark, M. B. Mealey, and C. Pelter. Re15,664; July 31.
- Tramper. O. Mitchell. 1,463,221; July 31.
- Transformer-controlling means. R. V. Bingay. 1,463,304; July 31.
- Transmission mechanism, Gearless differential. E. J. Ziegler. 1,463,356; July 31.
- Transmission release. J. Young and M. L. Frakes. 1,463,237; July 31.
- Transmissions, Gear-shifting device for. O. L. Lewis. 1,463,328; July 31.
- Trap. See—
Animal trap.
- Tree holder. J. Ullrich. 1,463,734; July 31.
- Trolley poles, Flexible attachment for. F. T. Bogard. 1,463,244; July 31.
- Trolley-wire-holding rail. K. C. Hale. 1,463,420; July 31.
- Truck, Lifting. J. G. Tangauy. 1,463,538; July 31.
- Tube. See—
Inner tube.
- Tubes, Device for the manufacture of pneumatic. A. E. Henderson. 1,463,529; July 31.

- Tubes, Measuring device for collapsible. F. L. Dyer. 1,463,578; July 31.
 Typewriting and computing machine, Combined. F. U. Conard. 1,463,254; July 31.
 Typewriting and computing machine, Combined. F. K. Davis and C. C. Taylor. 1,463,155; July 31.
 Typewriting machine. W. H. Hulse. 1,463,778; July 31.
 Typewriting machine. E. A. Peterson. 1,463,535; July 31.
 Typewriting machine. G. A. Seib. 1,463,599; July 31.
 Typewriting machine. B. C. Stickney. 1,463,537; July 31.
 Underdrilling bit. E. J. Akins. 1,463,566; July 31.
 Underreamer. C. L. Giebell. 1,463,316; July 31.
 Universal joint. C. L. Bushnell. 1,463,306; July 31.
 Vacuum-tube apparatus. H. W. Nichols. 1,463,432; July 31.
 Valve. K. Löwinger. 1,463,169; July 31.
 Valve, Air-brake emergency check. M. H. Ryan. 1,463,767; July 31.
 Valve for internal-combustion engines, Automatic air. W. F. Krichbaum. 1,463,532; July 31.
 Valve for pneumatic sanders, Engineer's. J. R. Allan. 1,463,188; July 31.
 Valve, Gas-regulating. L. E. Trosclair. 1,463,451; July 31.
 Valve-operating mechanism. G. J. Mead. 1,463,171; July 31.
 Valve-spring lifter. F. T. Martin. 1,463,709; July 31.
 Vanity box. N. Kasdan and D. Pollack. 1,463,472; July 31.
 Vanity case. A. B. Flagg. 1,463,259; July 31.
 Vanity case. A. Schocket. Des. 62,805; July 31.
 Vault light. W. L. Walker. 1,463,452; July 31.
 Vehicle, Child's. C. E. Baker. Des. 62,769; July 31.
 Vehicles, Combined governor and commutator support for motor. G. L. Tallman and A. A. Jones. 1,463,491; July 31.
 Vehicle driving mechanism. L. M. Gardiner. 1,463,687; July 31.
 Vehicle, Dump-body. W. D. Lankston. 1,463,743; July 31.
 Vehicle lock. C. A. Conger. 1,463,760; July 31.
 Vehicle, Motor. A. E. Osborn. 1,463,371; July 31.
 Vehicle springs, Cushion connection for. A. F. Masury and A. H. Leipert. 1,463,655; July 31.
 Vehicle suspension. F. E. Clemons. 1,463,574; July 31.
 Vehicle transmission gear. P. D. Sinclair. 1,463,728; July 31.
 Vehicle turning signal. H. Miner. 1,463,331; July 31.
 Vehicle wheel. B. F. Walker. 1,463,640; July 31.
 Wall construction. G. C. Carson, E. Coll, and T. S. Christensen. 1,463,759; July 31.
 Washing machines, Means for emptying. A. C. Burleigh and A. C. Gowing. 1,463,248; July 31.
 Watch-movement case. S. K. Ouzoun-Boghossian. Des. 62,793; July 31.
 Water jacket. L. C. Drefahl and W. R. Carson. 1,463,204; July 31.
 Water-treading apparatus. H. Meyer. 1,463,330; July 31.
 Waving signal. P. G. Heagerty. 1,463,650; July 31.
 Wetting machine. A. E. and M. E. Johnson. 1,463,214; July 31.
 Wheel: See—
 Resilient wheel. Steering wheel.
 Spring wheel. Vehicle wheel.
 Wheel. G. Walther and F. H. Walkley. 1,463,349; July 31.
 Wheel and the like, Detachable. J. Hanman and G. Hazleton. 1,463,695; July 31.
 Wheel rim, Demountable. K. I. Nutter. 1,463,588; July 31.
 Wheels, Pattern for casting steel. G. Walther. 1,463,348; July 31.
 Wheels, screw wheels, or the like, Machine for manufacturing toothed. S. G. Wingquist. 1,463,414; July 31.
 Wheelbarrow-handle guard. G. C. Batten. 1,463,191; July 31.
 Winding and reeling device. W. Vorderwinkler. 1,463,181; July 31.
 Window guide, Removable. E. G. Simpson. 1,463,444; July 31.
 Window lock. L. A. Mologne. 1,463,222; July 31.
 Window-operating device. A. Heyman. 1,463,700; July 31.
 Window-polishing device. M. Madsen. 1,463,477; July 31.
 Window regulator. E. E. Heintz. 1,463,422; July 31.
 Windmill. M. C. Nixon. 1,463,434; July 31.
 Windshield. L. H. Kent and S. A. de Normanville. 1,463,704; July 31.
 Windshield cleaner. J. Pedersen. 1,463,590; July 31.
 Wire chain link. A. L. Johnson, jr. 1,463,281-2; July 31.
 Wire reel. H. J. Hanson. 1,463,696; July 31.
 Wood and preparing it, Composition for impregnating. G. Coester. 1,463,674; July 31.
 Work table, Convertible. W. B. Munn. 1,463,717; July 31.
 Wringer: See—
 Mop wringer.
 Writer, Multicopy. E. Mauvais. 1,463,478; July 31.
 Zinc white, Manufacture of. A. Nihoul. 1,463,483; July 31.

CLASSIFICATION OF PATENTS

ISSUED JULY 31, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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11: 1,463,724	26: 1,463,645	36: 1,463,687	411: 1,463,773	223: 1,463,286	32: 1,463,416
112: 1,463,748	1: 1,463,672	39: 1,463,628	23: 1,463,781	255: 1,463,292	113: 1,463,769
1: 1,463,756	2: 1,463,657	40: 1,463,633	57: 1,463,616	258: 1,463,203	118: 1,463,279
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1,463,678	299: 1,463,758	257— 2: 1,463,419	267— 19: 1,463,219	164: 1,463,359	95: R. 15, 667
2: 1,463,546	392: 1,463,227	4: 1,463,489	29: 1,463,765	283— 36: 1,463,656	116: 1,463,193
7: 1,463,162	445: 1,463,560	211: R. 15, 665	30: 1,463,655	47: 1,463,288	298— 10: 1,463,185
37: 1,463,183	248— 30: 1,463,394	229: 1,463,468	45: 1,463,660	285— 24: 1,463,261	21: 1,463,637
41: 1,463,524	1,463,406	241: 1,463,484	54: 1,463,766	118: 1,463,692	38: 1,463,743
1,463,525	38: 1,463,409	261: 1,463,595	60: 1,463,574	286— 33: 1,463,365	299— 119: 1,463,666
1,463,623	1,463,734	259— 70: 1,463,744	4: 1,463,422	287— 52: 1,463,641	301— 9: 1,463,695
1,463,643	250— 8: 1,463,356	72: 1,463,626	8: 1,463,647	291— 16: 1,463,188	17: 1,463,588
62: 1,463,685	1,463,391	84: 1,463,720	271— 61: 1,463,329	292— 75: 1,463,385	35: 1,463,260
241— 27: 1,463,213	31: 1,463,554	102: 1,463,736	274— 2: 1,463,311	95: 1,463,381	303— 42: 1,463,767
242— 37: 1,463,181	251— 123: 1,463,658	131: 1,463,493	42: 1,463,235	343: 1,463,222	305— 3: 1,463,728
				348: 1,463,341	9: 1,463,366



